

Breton First Names Cube Design

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WebSites	http://www.mementoslangues.fr/	http://www.randelshofer.ch/

Introduction

A **Breton First Names Cube** is a 3x3x3 **Rubik's Cube** used to display *selected* Breton First Names. In addition, the cube can be used as a Breton *Word Composer* and can display selected first names and words in many other languages. More than 1300 different first names or words can now be displayed on the cube.

Breton Language – Useful Links	
http://en.wikipedia.org/wiki/Tro_Breizh	http://en.wikipedia.org/wiki/Breton_language
http://en.wikipedia.org/wiki/Tudwal	http://en.wikipedia.org/wiki/Brittany
http://en.wikipedia.org/wiki/Seven_founding_saints_of_Brittany	
http://fr.wikipedia.org/wiki/Liste_des_prénoms_bretons	

There are **Virtual Cubes** that can be *virtually* rotated and twisted on a computer screen and **Real Cubes** that can only be *physically* rotated and twisted by hand. A **Texture** is laid down on a Virtual Cube whereas real **Stickers** are stuck down on a Real Cube. A Breton First Names Cube is designed by placing letters on a texture which is then laid down on a Virtual Cube (see <http://www.randelshofer.ch/> for more details). Many Breton First Names can be displayed on a *selected* Cube face by rotating and twisting some parts of the Cube. When this has been achieved, we say that the Cube has been *solved*. In Brittany, many Breton First Names are also Town Names. For example: 'MALO' for 'SAINT-MALO', 'GWENOLE' for 'SAINT-GUENOLE', BRIEG for 'SAINT-BRIEUC', 'DINAN' for 'DINAN', 'VOLLON' for 'LANVOLON', 'LUNER' for 'SAINT-LUNAIRE', 'KADVAN' for 'CAVAN', etc... So, by learning some Breton First Names, we can also learn many Breton Town Names. This would make a 'Tour of Brittany' more enjoyable...

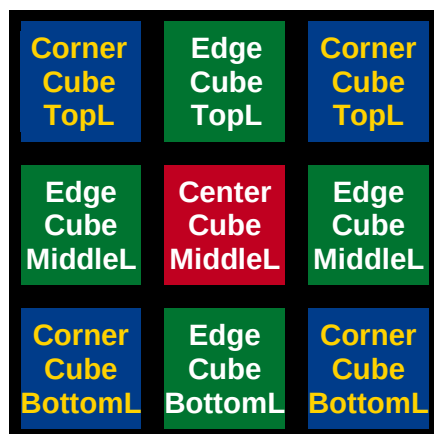
The following example shows the initial state of the cube, where 'TRO BREIZH' is displayed on the front face. 'TRO' means 'Tour' and 'BREIZH' means 'Brittany', so 'TRO BREIZH' is simply a 'Tour of Brittany'.

Breton First Names Cube		
Breton First Names Cube Original design 2008 by André Boulouard and Walter Randelshofer	Copyright © 2008 André Boulouard Walter Randelshofer Werner Randelshofer All rights reserved.	
Breton First Names Cube Texture Download CubeTwister from: http://www.randelshofer.ch/		

Designing a Breton First Names Cube that *works* is definitely not a trivial task but **Design Rules** exist that should be applied. Because it is nearly impossible to test all configurations, the placement of numbers and letters on a texture should be carefully checked at *the end* of the design process. This is carried out by applying a **Design Rules Check (DRC)** in the final design stage.

Terminology

In a 3x3x3 **Rubik's Cube**, there are 8 *Corner Cubes*, 12 *Edge Cubes*, 6 *Center Cubes* and 6 *Cube Faces*. There are also 4 Corner Cube faces, 4 Edge Cube faces and 1 Center Cube face *per Cube Face*, as shown below.



There are 1 face per Center Cube, 2 faces per Edge Cube and 3 faces per Corner Cube.

There are also 3 horizontal *Layers* called *Top*, *Middle* and *Bottom Layers*.

Cube Lexicon		
English	Français	Deutsch
Cube	Cube	Würfel
cube, cube	cube, petit cube	Würfelteil, Teil des Würfels
face	face	Seite, Seitenfläche
front face	face avant	vordere Seite, vorne
back face	face arrière	hintere Seite, hinten
left face	face gauche	linke Seite, links
right face	face droite	rechte Seite, rechts
top face	face supérieure	obere Seite, oben
bottom face	face inférieure	untere Seite, unten
sticker	étiquette (autocollante), plaquette	Kleber, Farbkleber
tile	tuile, plaquette	Plättchen, Farbplättchen
center cube, center	cube central, centre	Mittelwürfel, Mittelstein, Mitte
edge cube, edge	cube-arête, arête	Kantenwürfel, Kantenstein, Kante
corner cube, corner	cube de coin, coin	Eckwürfel, Eckstein, Ecke
layer	couronne	Schicht, Scheibe
top layer	couronne supérieure	obere Schicht, obere Scheibe
middle layer	couronne intermédiaire	mittlere Schicht, mittlere Scheibe, Mittelschicht, Mittelscheibe
bottom layer	couronne inférieure	untere Schicht, untere Scheibe
orientation, direction	orientation	Orientierung
to solve	résoudre	lösen, zusammen drehen
to twist	pivoter	drehen
to rotate	tourner, effectuer une rotation	drehen
clockwise	dans le sens horaire	im Uhrzeigersinn
anticlockwise, counter-clockwise	dans le sens anti-horaire	im Gegenuhrzeigersinn

List of Displayed First Names

Breton First Names		
'Prénoms Bretons – ÉDITIONS OUEST-FRANCE'		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	Calendar Date
- A -		
AEL	Feminine	May 5
AELA	Feminine	See AEL
ALAN	Masculine	September 8
ALANA	Feminine	
ALANEZ	Feminine	
ALAON	Masculine	See ALAN
ALAR	Masculine	December 1
ALARA	Feminine	
ALBAN	Masculine	June 22
ALER	Masculine	December 1
ALERA	Feminine	See ALER
ALLAN	Masculine	See ALAN
ALON	Masculine	See ALAN
ALOR	Masculine	October 26
ANA	Feminine	See ANNA
ANNA	Feminine	July 26
- B -		
BARBA	Feminine	
BARBAN	Feminine	See BARBA
BEDAN	Masculine	See Brendan
BENEAD	Masculine	October 22
BENONE	Feminine	See BENONI
BENONI	Masculine	
BRAN	Masculine	November 20
Brendan	Masculine	May 16
BRIAG	Masculine	December 17
BRIAGA	Feminine	See BRIAG
BRIAGEZ	Feminine	See BRIAG
BRIAN	Masculine	See BRIAG
BRIEG	Masculine	May 1
BRIEGA	Feminine	See BRIEG
BRIEND	Masculine	
BRIOG	Masculine	See BRIEG
BUDIG	Masculine	See BUDOG
BUDOG	Masculine	December 9
BUDOGAN	Masculine	
BUZIG	Masculine	See BUDOG
- D -		
DENEZ	Masculine	October 9
DINAN	Masculine	February 21
DONAN	Masculine	April 14
- E -		
EDERN	Masculine	August 30
EENN	Masculine	See Yves
Ehouarn	Masculine	February 11
ELAR	Masculine	See ALAR
ELEN	Feminine	August 18
ELER	Masculine	See ALAR
ELERAN	Masculine	See Tenenan
Elouan	Masculine	August 28
ELVAN	Masculine	See Elouan
ENER	Masculine	
ENORA	Feminine	August 14

EOARN	Masculine	See Ehouarn
EOL	Masculine	See HEOL
EON	Masculine	May 19
EOZEN	Masculine	See Eozenn
Eozenn	Masculine	May 19
ERVOAN	Masculine	See ERWANN
ERWAN	Masculine	See ERWANN
ERWANN	Masculine	May 19
EVAN	Masculine	See Ewen
EVON	Masculine	See Yves
Ewen	Masculine	May 3 or 19
EZEN	Masculine	See Eozenn
- G -		
GABIG	Masculine	September 29
GAEL	Masculine	September 17
GALL	Masculine	October 16
GERAND	Masculine	March 5
GEREG	Masculine	
GOAL	Masculine	June 6
GOAU	Masculine	March 26
GODIG	Feminine	See Marc'harid
GONERI	Masculine	April 4
GONVAL	Masculine	April 1
GRALON	Masculine	
GUEN	Masculine	See GWEN
GUIN	Masculine	See GWENNIN
GUINAL	Masculine	See GWENAEL
GURVAL	Masculine	June 6
GURVAN	Masculine	See Gurvant
Gurvant	Masculine	January 8
GURWAL	Masculine	See GURVAL
GURWAN	Masculine	See Gurvant
Guyon	Masculine	March 31
GWEN	Masculine/Feminine	See GWENN
GWENAEL	Masculine	November 3
GWENAL	Masculine	See GWENAEL
GWENGAL	Masculine	February 13
GWENN	Feminine	
GWENNAN	Feminine	
GWENNIN	Masculine	August 19
GWENOLE	Masculine	March 3
GWINAL	Masculine	See GWENAEL
GWION	Masculine	See Guyon
- H -		
HALON	Masculine	
HARN	Masculine	See Hernin
HELEN	Feminine	See ELEN
HELENA	Feminine	See ELEN
HELERN	Masculine	
HELIN	Masculine	
HELORI	Masculine	See Helouri
Helouri	Masculine	May 19
HENAN	Masculine	See HENEG
HENEG	Masculine	July 28
HEOL	Masculine	See EOL
HERN	Masculine	See Hernin
Hernin	Masculine	January 11
HOEL	Masculine	
HOELA	Feminine	
- I -		

INAN	Masculine	November 17
IVON	Masculine	See Yves
IWAN	Masculine	See Yves
- K -		
KADEG	Masculine	See KADO
KADO	Masculine	January 24
KADOG	Masculine	See KADO
KADVAN	Masculine	See Kavan
KANNA	Feminine	
KAOU	Masculine	See Kaourantin
KAOUR	Masculine	See Kaourantin
KAOURA	Feminine	See Kaourantin
Kaourantin	Masculine	December 12
Kavan	Masculine	September 3
Ke	Masculine	October 7
KELIG	Masculine	See Mikael
KENAN	Masculine	See Ke
KOLA	Masculine	See Nikolaz
KOLAZ	Masculine	See Nikolaz
KONAN	Masculine	September 28
KONEG	Masculine	September 5
KONWAL	Masculine	See GONVAL
KYRIO	Masculine	July 9
- L -		
LANIG	Masculine	See ALAN
Laouenan	Masculine	January 23
LARA	Feminine	See ALAR
LEAN	Masculine	See Laouenan
LENA	Feminine	
LENARD	Masculine	See Linart
LENOR	Masculine	See LUNER
LERI	Masculine	September 30
LEZIG	Feminine	See GALL
Linart	Masculine	November 6
LIZA	Feminine	See LOEIZ
LOEIZ	Masculine	August 25
LOEIZA	Feminine	See LOEIZ
LOEVAN	Masculine	See Laouenan
LOLL	Masculine	See Olier
LUAN	Masculine	See Elouan
LUBIN	Masculine	September 14
LUDON	Masculine	
LUNER	Masculine	July 2
- M -		
MABIG	Masculine	See MABBON
MABBON	Masculine	
MADEG	Masculine	February 23
MADEN	Masculine	July 19
MADENN	Feminine	See MADEN
MADIN	Feminine	See MADEN
MADINA	Feminine	See MADEN
MADOG	Masculine	See MADEG
MAEL	Masculine	May 13
MAELA	Feminine	See MAEL
MAELGON	Masculine	June 18
MAIAN	Feminine	See MAIANN
MAIANN	Feminine	August 15
MAINA	Feminine	
MALO	Masculine	November 15
MANER	Masculine	

MANNA	Feminine	
Maodan	Masculine	September 14
MARBODE	Masculine	September 11
Marc'harid	Feminine	November 16
MARI	Feminine	August 15
MARIANN	Feminine	August 15
MARINE	Feminine	October 20
Maunoir	Masculine	January 28
MAZE	Masculine	See Mazhe
Mazhe	Masculine	September 21
MEAL	Masculine	See MAEL
MEEN	Masculine	June 21
Melaine	Masculine	November 6
MELAN	Masculine	See Melaine
MELAR	Masculine	October 2
MELARIE	Feminine	See NONN
MELEN	Masculine	See Melaine
MELIN	Masculine	See Melaine
MERIADEG	Masculine	June 7
Mikael	Masculine	September 29
MODAN	Masculine	See Maodan
MODANA	Feminine	See Maodan
MODANEZ	Feminine	See Maodan
MODERAN	Masculine	October 22
MOLAN	Masculine	See Melaine
MOLIN	Masculine	See Melaine
MOLUAN	Masculine	See Elouan
MOLVAN	Masculine	See MORVAN
MONA	Feminine	August 27
MORAN	Masculine	October 20
MORNA	Feminine	See MORAN
MORVAN	Masculine	October 22
- N -		
NANN	Feminine	See RONAN
Nedeleg	Masculine/Feminine	December 25
NELIG	Feminine, Diminutive	
NENEG	Masculine	See Ninnog
NENEGA	Feminine	See Ninnog
NENOG	Feminine	See Ninnog
NENOGA	Feminine	See Ninnog
NERIN	Masculine	
Nikolaz	Masculine	December 6
Ninnog	Feminine	June 4
NOAN	Feminine	See Oanez
NOANN	Feminine	See Oanez
NOEL	Masculine/Feminine	See Nedeleg
NOELA	Masculine/Feminine	See Nedeleg
NOLIG	Masculine/Feminine	See Nedeleg
NONA	Masculine	See NONNA
NONN	Feminine	March 1
NONNA	Feminine	June 15
NORIG	Feminine, Diminutive	See ENORA
- O -		
Oanez	Feminine	January 21
OANIG	Masculine, Diminutive	See Oanez
OBER	Masculine	
Olier	Masculine	July 12
ONEN	Masculine	February 27
- P -		
PABAN	Masculine	November 30

PABU	Masculine	November 30
PADERN	Masculine	See Patern
PAOL	Masculine	See Pol
PAOLA	Feminine	See Pol
Patern	Masculine	April 16
PEDERN	Masculine	See Patern
PERAN	Masculine	January 6
PEREG	Masculine	June 5
PERIG	Masculine	
PERN	Masculine	See Patern
Pol	Masculine	
POLA	Feminine	See Pol
POLIG	Masculine	See Pol
Primel	Masculine	May 15
PRIVAEL	Masculine	See Primel
- R -		
RENAN	Masculine	See RONAN
REUN	Masculine	October 19
REUNAN	Masculine	See RONAN
RIEG	Masculine	See RIOG
RIEN	Masculine	See RION
RIOG	Masculine	February 12
RION	Masculine	August 13
RIUAL	Masculine	See RIWAL
RIVOAL	Masculine	See RIWAL
RIVOD	Masculine	
RIWOD	Masculine	
RIWAL	Masculine	July 15
RIWAN	Masculine	February 18
RONAN	Masculine	June 1
- S -		
SANE	Masculine	See Sezni
SENAN	Masculine	
SENI	Masculine	See Sezni
SERVAN	Masculine	May 12
SERVANE	Feminine	See SERVAN
SEZA	Feminine, Diminutive	
SEZIG	Masculine, Diminutive	
Sezni	Masculine	March 8
SOAIG	Masculine, Diminutive	
SOEN	Masculine	See Yves
SOLEN	Feminine	September 23
SOLENA	Feminine	See SOLEN
SOLENEZ	Feminine	See SOLEN
SOLENN	Feminine	See SOLEN
Suliac	Masculine	October 2
SULIO	Masculine	See Suliac
- T -		
TADEG	Masculine	December 2
TARAN	Masculine	
TEILA	Feminine	See TELO
TELLA	Feminine	See TELO
Tenenan	Masculine	July 16
TELO	Masculine	February 9
TOLL	Masculine	
TONAN	Masculine	See DONAN
TUAL	Masculine	See Tudal
TUALA	Feminine	November 30
Tudal	Masculine	November 30
TUDEG	Masculine	May 11

TUDI	Masculine	May 11
TUDIG	Masculine	See TUDI
TUDON	Masculine	May 17
TUDUAL	Masculine	See Tudal
TUDWAL	Masculine	See Tudal
TURIAL	Masculine	See TURIO
TURIO	Masculine	July 13
- U -		
URIA	Feminine	
URIO	Masculine	
URLO	Masculine	
URVOAN	Masculine	See ERWANN
- V -		
VONIG	Masculine	See Yves
- Y -		
YANN	Masculine	December 27
YANNA	Feminine	See YANN
YANNEZ	Feminine	See YANN
YEUN	Masculine	See Youenn
YEUNA	Feminine	See Youenn
Yves	Masculine	May 19
YOAN	Masculine	See YANN
YOANN	Masculine	See YANN
Youenn	Masculine	May 19
YOUN	Masculine	See Youenn
YOUNN	Masculine	See Youenn
YOUNA	Feminine	See Youenn
- Z -		
ZAIG	Feminine	See LOEIZ
- 7 -		
The 7 Founder Saints of Brittany		
Name on Cube	City Name	Saint Name
BRIEG	Sant-Brieg	Sant-Brieg
KAOUR	Kemper	Sant-Kaourintin
MALO	Sant-Malo	Sant-Malo
PADERN	Gwened	Sant-Patern
PAOL	Kastell-Paol	Sant-Paol
—	Dol	Sant-Samzun
TUDWAL	Landreger	Sant-Tudwal

Celtic First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender	Origin
	Masculine	
ABBAN	Masculine	Irish
ADARE	Masculine	Irish
ADWR	Masculine	Welsh
AIBNE	Masculine	Scottish
AIL	Masculine	Scottish
ALAN	Masculine	Cornish/Irish/Scottish
ARIAN	Masculine	Welsh
ARVAL	Masculine	Welsh
AVAON	Masculine	Welsh
BADAN	Masculine	Welsh
BAEN	Masculine	Scottish
BANAN	Masculine	Irish
BEDA	Masculine	Welsh
BENEN	Masculine	Irish
BLANE	Masculine	Scottish
BRAEN	Masculine	Welsh
BRAN	Masculine	Welsh
BREEN	Masculine	Irish
BRIAN	Masculine	Irish/Scottish/Welsh
DAGEN	Masculine	Irish
DANE	Masculine	Welsh
DONAL	Masculine	Irish
DONEL	Masculine	Scottish
DONNE	Masculine	Welsh
DORAN	Masculine	Irish
DUANE	Masculine	Irish
DWANE	Masculine	Irish
EAGAN	Masculine	Irish
EAGON	Masculine	Irish
EARIE	Masculine	Scottish
EDERN	Masculine	Welsh
EGAN	Masculine	Irish
EGON	Masculine	Irish
EOIN	Masculine	Irish/Scottish
EUAN	Masculine	Irish
EVAN	Masculine	Welsh
EVANN	Masculine	Welsh
EVON	Masculine	Welsh
EWAN	Masculine	Irish
GAEL	Masculine	Irish
GALEN	Masculine	Irish
GALE	Masculine	Irish
GARA	Masculine	Irish
GARE	Masculine	Scottish
GARVAN	Masculine	Irish
GERARD	Masculine	Irish
GWEIR	Masculine	Welsh
HAEL	Masculine	Welsh
HEBER	Masculine	Irish
IAGO	Masculine	Welsh
IOAN	Masculine	Welsh
IWAN	Masculine	Welsh
KARN	Masculine	Scottish
KANE	Masculine	Irish/Welsh
KEALAN	Masculine	Irish
KEAN	Masculine	Irish

KELAN	Masculine	Irish
KENAN	Masculine	Cornish/Irish
KENN	Masculine	Welsh
KYLAN	Masculine	Irish
KYLAR	Masculine	Irish
KYLE	Masculine	Irish
KYLEN	Masculine	Irish
KYLER	Masculine	Irish
KYNAN	Masculine	Welsh
KYNWAL	Masculine	Welsh
KYRAN	Masculine	Irish
LALOR	Masculine	Irish
LAREN	Masculine	Scottish
LEOD	Masculine	Scottish
LEON	Masculine	Irish
LOGAN	Masculine	Irish/Scottish
LORNE	Masculine	Scottish
LUNN	Masculine	Irish
LYEL	Masculine	Scottish
MABAN	Masculine	Cornish
MABON	Masculine	Welsh
MADERON	Masculine	Cornish
MADOG	Masculine	Welsh
MAEL	Masculine	Welsh
MELOR	Masculine	Cornish
MENW	Masculine	Welsh
MOLAN	Masculine	Irish
MOREN	Masculine	Welsh
MORVRAN	Masculine	Welsh
NEILAN	Masculine	Irish
NAAL	Masculine	Irish
NOLAN	Masculine	Irish
NOLEN	Masculine	Irish
NORVAL	Masculine	Scottish
ORAN	Masculine	Irish
OWAIN	Masculine	Welsh
PARLAN	Masculine	Irish/Scottish
PEDER	Masculine	Cornish
PENN	Masculine	Welsh
PENVRO	Masculine	Welsh
RAE	Masculine	Welsh
REGAN	Masculine	Irish
REN	Masculine	Welsh
RIAGAN	Masculine	Irish
RIAN	Masculine	Irish
ROANE	Masculine	Irish
ROGAN	Masculine	Irish
RUAN	Masculine	Cornish
SEAN	Masculine	Irish
TABER	Masculine	Irish
TALAN	Masculine	Cornish
TAREN	Masculine	Welsh
TORAN	Masculine	Irish
TOREAN	Masculine	Irish/Scottish
TOREN	Masculine	Irish/Scottish
TORIN	Masculine	Irish
TORION	Masculine	Irish
TRAVON	Masculine	Welsh
TREVAN	Masculine	Welsh
TUDOR	Masculine	Welsh

TYNAN	Masculine	Irish
VONN	Masculine	Welsh
	Feminine	
ADAN	Feminine	Irish
ADARA	Feminine	Irish
AILA	Feminine	Scottish
ALANA	Feminine	Irish/Scottish
ALANI	Feminine	Irish
ALINA	Feminine	Irish
ALONA	Feminine	Irish
ANGIE	Feminine	Scottish
ANN	Feminine	Irish
ANNA	Feminine	Irish/Scottish
ANNE	Feminine	Irish/Scottish/Welsh
ARIAL	Feminine	Welsh
ARIAN	Feminine	Welsh
AVRIL	Feminine	Irish
BANON	Feminine	Welsh
BRANN	Feminine	Irish
BREA	Feminine	Irish
BREANNE	Feminine	Irish
BREE	Feminine	Irish
BREEN	Feminine	Irish
BREENA	Feminine	Irish
BRENNA	Feminine	Irish
BRIA	Feminine	Irish
BRIANA	Feminine	Irish
BRIANNE	Feminine	Irish/Scottish/Welsh
BRIAR	Feminine	Welsh
BRONA	Feminine	Irish
DANA	Feminine	Irish
DERA	Feminine	Welsh
DOON	Feminine	Irish
EBREL	Feminine	Cornish
EALGA	Feminine	Irish
EDANA	Feminine	Irish
EILA	Feminine	Irish
ELAN	Feminine	Irish
ELEN	Feminine	Welsh
ELIN	Feminine	Welsh
ELVA	Feminine	Irish
ENA	Feminine	Irish
ERIN	Feminine	Irish
ERINA	Feminine	Irish
GARA	Feminine	Scottish
GARAN	Feminine	Welsh
GARIA	Feminine	Scottish
GRAINA	Feminine	Irish
GRAINNE	Feminine	Irish
GREAR	Feminine	Scottish
GREER	Feminine	Scottish
GUNNA	Feminine	Scottish
GWEN	Feminine	Welsh
GWENNA	Feminine	Welsh
HELEN	Feminine	Irish/Scottish/Welsh
HONOR	Feminine	Irish
HONORA	Feminine	Irish
IERNE	Feminine	Irish
ILANE	Feminine	Irish
IONA	Feminine	Scottish

KAREN	Feminine	Irish
KEANA	Feminine	Irish
KEANNA	Feminine	Irish
KEIANA	Feminine	Irish
KERA	Feminine	Irish
KERI	Feminine	Irish
KERIANN	Feminine	Irish
KYLA	Feminine	Scottish
LARA	Feminine	Irish/Scottish
LAREN	Feminine	Scottish
LARENA	Feminine	Scottish
LARIA	Feminine	Scottish
LEANA	Feminine	Scottish
LEENA	Feminine	Irish
LEILA	Feminine	Irish
LENA	Feminine	Scottish
LOGAN	Feminine	Scottish
LORNA	Feminine	Scottish
MADA	Feminine	Irish
MALI	Feminine	Welsh
MAOLA	Feminine	Irish
MARI	Feminine	Welsh
MARINA	Feminine	Scottish
MARION	Feminine	Scottish
MELVA	Feminine	Irish
MERNA	Feminine	Irish
MOINA	Feminine	Irish
MONA	Feminine	Irish
MORNA	Feminine	Irish
NEALA	Feminine	Irish
NEILA	Feminine	Irish
NELLA	Feminine	Irish
NIALL	Feminine	Irish/Scottish
NORA	Feminine	Irish/Scottish
NUALA	Feminine	Irish
ONA	Feminine	Irish
ONORA	Feminine	Irish
OONA	Feminine	Irish
ORLA	Feminine	Irish
SABIA	Feminine	Irish
RIANA	Feminine	Irish
SEANA	Feminine	Irish
SEREN	Feminine	Welsh
TALAR	Feminine	Welsh
TARA	Feminine	Irish
TARIAN	Feminine	Welsh
TELERI	Feminine	Welsh
TORLAN	Feminine	Welsh
TYRA	Feminine	Scottish
UNA	Feminine	Irish/Scottish/Welsh
WENNA	Feminine	Cornish
WINNIE	Feminine	Welsh
ZAIRA	Feminine	Irish

French First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender	Calendar Date
- A -		
ADA	Feminine/Diminutive	
ALBAN	Masculine	June 22
ALBANE	Feminine	
ALINE	Feminine	
ALIZEE	Feminine	
ANGE	Masculine	
ANNE	Feminine	July 26
ARIANE	Feminine	
- D -		
DIANE	Feminine	June 29
- E -		
ELLA	Feminine	February 1
ELIANE	Feminine	
ELOI	Masculine	
- G -		
GABIN	Masculine	February 19
GERARD	Masculine	October 3
GUENOLE	Masculine	March 3
- H -		
HELENE	Feminine	August 18
HONORE	Masculine	May 16
- L -		
LAZARE	Masculine	February 23
LEON	Masculine	November 10
LEONNE	Feminine	
LULU	Feminine	
- M -		
MANON	Feminine	
MARIA	Feminine	
MARIANE	Feminine	
MARINA	Feminine	July 20
MARINE	Feminine	
MARION	Feminine	
MARLON	Feminine	
MEDARD	Feminine	June 8
MELANIE	Feminine	
- N -		
NADIA	Feminine	
NADINE	Feminine	
NINA	Feminine	January 14
NINON	Feminine	December 15
- O -		
ORIANE	Feminine	
- P -		
PELAGIE	Feminine	October 8
- R -		
REINE	Masculine	September 7
RENE	Masculine	October 19
RENEE	Feminine	
- S -		
SABER	Masculine	
SABINE	Feminine	August 29
SYLVAIN	Masculine	May 4
SUZANNE	Feminine	
- Y -		
YANN	Masculine	

YNEZ	Feminine	
- Z -		
ZOE	Feminine	
Latinized Arabic First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender	
ABIA	Feminine	
ABIR	Feminine	
ADARA	Feminine	
ADIRA	Feminine	
ALI	Masculine/Feminine	
ALVAN	Masculine	
ARWA	Feminine	
BADER	Masculine	
BADIA	Feminine	
BARI	Masculine	
HARB	Masculine	
HARUN	Masculine	
KADAR	Masculine	
KADEN	Masculine	
KADIN	Masculine	
KADIR	Masculine	
KEDAR	Masculine	
LALI	Feminine	
LEENA	Feminine	
LEILA	Feminine	
LELIA	Feminine	
LULU	Feminine	
LULWA	Feminine	
LYDIA	Feminine	
LYNNA	Feminine	
MANAR	Feminine	
MANARA	Feminine	
MEDINA	Feminine	
MUNIR	Masculine	
NADA	Feminine	
NADIA	Feminine	
NADIR	Masculine	
NUDAR	Feminine	
NUDARA	Feminine	
NURA	Feminine	
NYELA	Feminine	
RANA	Feminine	
RIGEL	Masculine	
ROWA	Feminine	
SABIR	Masculine	
SADIRA	Feminine	
ZADA	Feminine	
ZIA	Feminine	
American/English First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender	Origin
ADA	Feminine	English
ALAN	Masculine	English
ALANA	Feminine	English
ANGIE	Feminine	English
ANNA	Feminine	English
ANNE	Feminine	English
ARLA	Feminine	English
AVRIL	Feminine	English

BELLA	Feminine	English
BRIAN	Masculine	English
BRIANA	Feminine	English
DANA	Feminine	English
DANE	Masculine	English
DORA	Feminine	English
DUANE	Masculine	American/English
ELINA	Feminine	
EDNA	Feminine	
ELLA	Feminine	
ELVA	Feminine	
ERIN	Feminine	
GALE	Masculine/Feminine	
GALEN	Masculine	American
GAIL	Masculine/Feminine	English
GERARD	Masculine	
GREER	Feminine	
GWEN	Feminine	
HELEN	Feminine	
HANNA	Feminine	
IONA	Feminine	English
KADIN	Masculine	American
KARA	Feminine	English
KAREN	Feminine	
KYLA	Feminine	American/English
KYLE	Masculine	American/English
LEANN	Feminine	
LEEANN	Feminine	English
LEILA	Feminine	
LENA	Feminine	
LEON	Masculine	
LEONA	Feminine	
LOGAN	Masculine	
LONA	Feminine	English
LONNA	Feminine	English
LOREN	Feminine	
LORNA	Feminine	
LUANN	Feminine	American
LULU	Feminine	American/English
LYDIA	Feminine	English
LYNN	Masculine/Feminine	
MADA	Feminine	
MARA	Feminine	
MARIA	Feminine	
MARINA	Feminine	
MARION	Feminine	
MELANIE	Feminine	English
MONA	Feminine	
NADINE	Feminine	
NELLA	Feminine	English
NINA	Feminine	
NOLAN	Masculine	
NORA	Feminine	
PENN	Masculine	
RAE	Feminine	American/English
SEAN	Masculine	
SEANA	Feminine	
SEREN	Feminine	
SERENA	Feminine	
SUEANN	Feminine	American

SUZANN	Feminine	American
SUZANNE	Feminine	American
TALA	Feminine	American
TEELA	Feminine	English
TARA	Feminine	
TONIO	Masculine	
UNA	Feminine	American
ZOE	Feminine	American/English
German First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	Calendar Date
ADA	Feminine/Diminutive	
ALENA	Feminine	
ALIZE	Feminine	
ALVAN	Masculine	
ANNA	Feminine	
ANNE	Feminine	
ANNO	Masculine	
ARLA	Feminine	
ARNO	Masculine	
AROA	Feminine	
BENI	Masculine/Diminutiv	
BENNO	Masculine	
BOLONA	Feminine	
DINO	Masculine	
DUNA	Feminine	
EGON	Masculine	
ELGA	Feminine	
ERNA	Feminine	
EUGEN	Masculine	
GABI	Feminine	
HANNO	Masculine	
HELENE	Feminine	
KAREN	Feminine	
KARIN	Feminine	
KARL	Masculine	
KARLA	Feminine	
KEANA	Feminine	
KEANNA	Feminine	
KUNO	Masculine	
LENARD	Masculine	
LENE	Feminine	
LEON	Masculine	
LEONA	Feminine	
LONA	Feminine	
LONNA	Feminine	
LORE	Feminine	
LUANN	Feminine	
LUANNA	Feminine	
LULU	Feminine	
LUZIA	Feminine	
LYDIA	Feminine	
MANI	Masculine/Diminutiv	
MARIA	Feminine	
MEENA	Feminine	
MELANIE	Feminine	
MELEA	Feminine	
MELIA	Feminine	
MENA	Feminine	
NADINE	Feminine	

MARINA	Feminine	
NENA	Feminine	
RUNE	Masculine	
SABINE	Feminine	
SARA	Feminine	
TONI	Masculine	
UDO	Masculine	
ULLA	Feminine	
ULVA	Feminine	
URBAN	Masculine	
WENZEL	Masculine	
YOAN	Masculine	
YOAN	Masculine	
YOANN	Masculine	

Latinized Greek First Names

All Names in CAPITAL LETTERS are on the Cube

First Name	Gender/Diminutive	Calendar Date
ADA	Feminine/Diminutive	
ADARA	Feminine	
ADON	Masculine	
ALARDO	Masculine	
ALIZE	Feminine	
ANGEL	Masculine	
ANGIE	Feminine	
ANIANO	Masculine	
ANNA	Feminine	
ARIA	Masculine/Feminine	
ARION	Masculine	
AURA	Feminine	
BELEN	Feminine	
DANAE	Feminine	
DEON	Masculine	
DION	Masculine	
DORAN	Masculine	
DORA	Feminine	
ELANA	Feminine	
ELENA	Feminine	
ELENI	Feminine	
ELENIO	Masculine	
ELINA	Feminine	
ELLA	Feminine	
ENGEL	Feminine	
GAEA	Feminine	
GAEL	Masculine	
GALE	Masculine	
GALEN	Masculine	
GALENA	Feminine	
GENE	Masculine	
GINO	Masculine	
GORAN	Masculine	
HELEN	Feminine	
HELENA	Feminine	
HELENE	Feminine	
HELIA	Feminine	
HELIO	Masculine	
HERENA	Feminine	
IAON	Masculine	
IONA	Feminine	
HERA	Feminine	
HERB	Masculine	

LYDIA	Feminine	
KAIA	Feminine	
KARA	Feminine	
KARAN	Masculine	
KAREN	Feminine	
KARI	Feminine	
KARIA	Feminine	
KARON	Masculine	
KORA	Feminine	
KOREN	Feminine	
KORIN	Feminine	
KORINA	Feminine	
KORINE	Feminine	
KORINNE	Feminine	
KYRA	Feminine	
KYRENE	Feminine	
LAIA	Feminine	
LARA	Feminine	
LAREN	Feminine	
LARINA	Feminine	
LAZAR	Masculine	
LEDA	Feminine	
LEENA	Feminine	
LENA	Feminine	
LENORA	Feminine	
LENORE	Feminine	
LELIA	Feminine	
LINA	Feminine	
LYDA	Feminine	
LYNNA	Feminine	
LYRA	Feminine	
MEENA	Feminine	
MELANIE	Feminine	
MELINA	Feminine	
MENA	Feminine	
MONA	Feminine	
MYRON	Masculine	
ORION	Masculine	
SELENE	Feminine	
SULA	Feminine	
TALIA	Feminine	
ZENO	Masculine	
ZOE	Feminine	

Icelandic First Names

All Names in CAPITAL LETTERS are on the Cube

First Name	Gender	
ARI	Masculine	
ARNI	Masculine	
ELIN	Feminine	
ERLA	Feminine	
GROA	Feminine	
INGI	Masculine	
KARI	Feminine	
NANNA	Feminine	
PALL	Masculine	
SUNNA	Feminine	

Italian First Names

All Names in CAPITAL LETTERS are on the Cube

First Name	Gender	
ALBA	Feminine	

ANGELO	Masculine	
ANNA	Feminine	
BELLA	Feminine	
BONARO	Masculine	
BONNA	Feminine	
DINO	Masculine	
ELENA	Masculine	
ELINA	Masculine	
ELIA	Masculine	
ENEA	Masculine	
ENZO	Masculine	
GENO	Masculine	
GEOVANI	Masculine	
GINO	Masculine	
KARA	Feminine	
LEON	Masculine	
LEONE	Masculine	
MARIA	Feminine	
MARINA	Feminine	
MARINO	Masculine	
MARIO	Masculine	
NANNI	Masculine	
NORA	Feminine	
PAOLA	Feminine	
PAOLO	Masculine	
RENZO	Masculine	
RIGO	Masculine	
TONIO	Masculine	
TULIO	Masculine	
SARA	Feminine	
SERENA	Feminine	
ULLA	Feminine	
ZOE	Feminine	

Latinized Russian First Names

All Names in CAPITAL LETTERS are on the Cube

First Name	Gender/Diminutive	
ALENA	Feminine	
ALINA	Feminine	
ALLA	Feminine	
ANNA	Feminine	
DORA	Feminine	
ELENA	Feminine	
GALINA	Feminine	
GALIA	Feminine	
INNA	Feminine	
IONA	Feminine	
IVAN	Masculine	
KARINA	Feminine	
KORINA	Feminine	
LENA	Feminine/Diminutive	
LENORA	Feminine	
LENORE	Feminine	
LINA	Feminine	
LUDA	Feminine/Diminutive	
LYDIA	Feminine	
MALANA	Feminine	
MALONA	Feminine	
MARANA	Feminine	
NADIA	Feminine	
NEDANA	Feminine	

OLEG	Masculine	
OLGA	Feminine	
SOBINA	Feminine	
SONIA	Feminine	
TANIA	Feminine	
TONIA	Feminine	
ULANA	Feminine	
ULIA	Feminine	
WAVA	Feminine	
YEVA	Feminine	
ZBINA	Feminine	
ZDENA	Feminine	

Spanish First Names

All Names in CAPITAL LETTERS are on the Cube

First Name	Gender/Diminutive	
ADAN	Masculine	
ADANA	Feminine	
ALANO	Masculine	
ARNO	Masculine	
ALAZNE	Feminine	
BEBE	Feminine	
BELEN	Feminine	
BONA	Feminine	
BONARO	Masculine	
BONO	Masculine	
BUENA	Feminine	
ERON	Masculine	
GABINO	Masculine	
GALENA	Feminine	
GALENO	Masculine	
GEZANA	Feminine	
GEZANE	Feminine	
GORANE	Feminine	
HONOR	Feminine	
LALA	Feminine	
LALIA	Feminine	
LALLA	Feminine	
LEON	Masculine	
LEILA	Feminine	
LERA	Feminine	
LOLA	Feminine	
LORE	Feminine	
MADENA	Feminine	
MADIA	Feminine	
MADINA	Feminine	
MANO	Masculine	
MARIA	Feminine	
MARINA	Feminine	
MORA	Feminine	
NEENA	Feminine	
NEIVA	Feminine	
NELIA	Feminine	
NENA	Feminine	
NEREA	Feminine	
NERO	Masculine	
NERON	Masculine	
NINA	Feminine	
ORO	Masculine	
PABLA	Feminine	
PABLO	Masculine	

PALBA	Feminine	
PALBAN	Masculine	
PURA	Feminine	
PUREZA	Feminine	
RAI	Masculine	
REINA	Feminine	
RENE	Feminine	
RIA	Feminine	
ROANA	Feminine	
ROANO	Masculine	
SABANA	Feminine	
SABINA	Feminine	
SARA	Feminine	
SEIN	Masculine	
SEINA	Feminine	
SENONA	Feminine	
SOLANA	Feminine	
TABOR	Masculine	
TABORA	Feminine	
TADEO	Masculine	
TOLI	Masculine	
TONIO	Masculine	
TORO	Masculine	
TURI	Masculine	
YNEZ	Feminine	
YOANA	Feminine	
ZELIA	Feminine	
ZOE	Feminine	
ZURINA	Feminine	
ZURINE	Feminine	

Spanish Family Names

All Names in CAPITAL LETTERS are on the Cube

Family Name

ARNAL		
MEDINA		
MORENO		
MUNOZ		
PENA		
PEREZ		

Japanese First Names

All Names in CAPITAL LETTERS are on the Cube

First Name

Gender/Diminutive

ANZAI	Masculine	
EBIZO	Masculine	
EIEN	Masculine	
EIZAN	Masculine	
EIZO	Masculine	
GORO	Masculine	
HARU	Masculine	
IWANE	Masculine	
IWAO	Masculine	
KADO	Masculine	
KAI	Masculine	
KANE	Masculine	
KANO	Masculine	
KAZU	Masculine	
KAZUO	Masculine	
KOAN	Masculine	
KOBU	Masculine	
KOIN	Masculine	

KORIN	Masculine	
KUNIO	Masculine	
KURI	Masculine	
MAREO	Masculine	
MARO	Masculine	
MORIO	Masculine	
NOBUO	Masculine	
NOBURO	Masculine	
NORI	Masculine	
NORIO	Masculine	
OGAI	Masculine	
RAI	Masculine	
RAZAN	Masculine	
REI	Masculine	
REIZO	Masculine	
RINGO	Masculine	
SABURO	Masculine	
SADAO	Masculine	
SUZU	Masculine	
TARO	Masculine	
TERAO	Masculine	
TERUO	Masculine	
TOIN	Masculine	
TORAZO	Masculine	
TORIO	Masculine	
TORU	Masculine	
UDO	Masculine	
ERI	Feminine	
HANA	Feminine	
KANA	Feminine	
KUNI	Feminine	
KURA	Feminine	
KURI	Feminine	
MANA	Feminine	
MARU	Feminine	
MURA	Feminine	
NANA	Feminine	
NARI	Feminine	
NENE	Feminine	
NORI	Feminine	
ORINO	Feminine	
RAN	Feminine	
REI	Feminine	
SADA	Feminine	
SUZU	Feminine	
TARA	Feminine	

Japanese Words

All Names in CAPITAL LETTERS are on the Cube

Words	Meaning	
ABUNAI	dangerous	
ABURA	grease	
ANE	my elder sister	
ANI	my elder brother	
AOI	blue-green	
BARA	rose (pink flower)	
BERU	bell	
BUDOO	grape	
DARE	Who ?	
DORE	Which one ?	
EBI	shrimp	

EIGA	movie	
EIGO	English language	
GOZEN	this morning	
GUAI	state, condition	
HANA	flower	
HEBI	snake	
HEIWA	peace	
HODO	limits	
HONE	bone	
KADO	corner	
KANE	money, bell, metal	
KAZE	wind	
KAZU	number	
KOOEN	public square	
KONBAN	this evening	
KUNI	country	
KURA	dark	
KURO	black	
KURU	to come	
MADA	not yet	
MADO	window	
MORI	forest	
MUNE	chest	
MURA	village	
NAGA	long (time)	
NANI	What is ...?	
NERU	to go to bed	
NODO	throat	
NORI	algae	
NORU	to board	
OBI	kimono belt	
ONNA	woman	
OOI	many	
RINGO	apple	
SADOO	tea ceremony	
SARA	dish	
SARU	monkey	
SOBA	buckwheat noodles	
SORA	sky	
SUNA	sand	
SURU	to do	
TABUN	maybe	
TADA	free (no charge)	
TANA	shelf	
TANI	valley	
TENNOO	Emperor	
TONARI	nearby	
TORI	bird	
TORU	to take	
UNAGI	eel	
URU	to sell	
Korean First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
HWANG	Masculine	
KWON	Masculine	
MOON	Masculine	
WOO	Masculine	
BORA	Feminine	
HANA	Feminine	

SORA	Feminine	
Romanian First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
ADI	Masculine	
ALIN	Masculine	
AUREL	Masculine	
BADUNA	Masculine	
BELA	Masculine	
DORIN	Masculine	
EUGEN	Masculine	
HORIA	Masculine	
IOAN	Masculine	
IONEL	Masculine	
IVAN	Masculine	
MARIAN	Masculine	
MARIN	Masculine	
MAZONN	Masculine	
SERBAN	Masculine	
SORIN	Masculine	
TRAIAN	Masculine	
TUDOR	Masculine	
ANA	Feminine	
DANA	Feminine	
ELENA	Feminine	
ELIZA	Feminine	
GABINO	Feminine	
HELENA	Feminine	
IONA	Feminine	
MARIA	Feminine	
MARINA	Feminine	
NADIA	Feminine	
NINA	Feminine	
OANA	Feminine	
OLGA	Feminine	
SABINA	Feminine	
SONIA	Feminine	
TARA	Feminine	
Croatian First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
ADO	Masculine	
BELA	Masculine	
BELI	Masculine	
BORNA	Masculine	
GORAN	Masculine	
IVAN	Masculine	
LADO	Masculine	
MARIN	Masculine	
RENE	Masculine	
RINO	Masculine	
TONA	Masculine	
TONE	Masculine	
TONI	Masculine	
ADA	Feminine	
ANA	Feminine	
BARA	Feminine	
BELA	Feminine	
BORNA	Feminine	
DARA	Feminine	

DONA	Feminine	
DORA	Feminine	
ELA	Feminine	
ELENA	Feminine	
ENA	Feminine	
HELENA	Feminine	
LARA	Feminine	
LENA	Feminine	
LEONA	Feminine	
LINA	Feminine	
LOLA	Feminine	
MARA	Feminine	
MARE	Feminine	
MARENA	Feminine	
MARINA	Feminine	
NADA	Feminine	
NEDA	Feminine	
NELA	Feminine	
NENA	Feminine	
NELI	Feminine	
NERA	Feminine	
NORA	Feminine	
SARA	Feminine	
TEREZA	Feminine	
Serbian First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
DUAN	Masculine	
GORAN	Masculine	
Croatian First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
IVAILO	Masculine	
IVAN	Masculine	
LAZAR	Masculine	
LUBEN	Masculine	
TODOR	Masculine	
YAN	Masculine	
YOAN	Masculine	
DANA	Feminine	
LALA	Feminine	
RAINA	Feminine	
TEREZA	Feminine	
YANA	Feminine	
YOANA	Feminine	
Ukrainian First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
OLENA	Feminine	
Turkish First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
BERNA	Masculine	
BORA	Masculine	
ENGİN	Masculine	
EREN	Masculine	
ONUR	Masculine	
SONER	Masculine	

Hungarian First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
ARON	Masculine	
AUREL	Masculine	
BODOG	Masculine	
EDE	Masculine	
EGON	Masculine	
ERNO	Masculine	
GABOR	Masculine	
GEDEON	Masculine	
GEZA	Masculine	
HUBA	Masculine	
IVAN	Masculine	
KADA	Masculine	
LAZAR	Masculine	
LENARD	Masculine	
LORAND	Masculine	
MEDARD	Masculine	
ORBAN	Masculine	
REGO	Masculine	
TABOR	Masculine	
ZADOR	Masculine	
ZALAN	Masculine	
ZARAND	Masculine	
ZERIND	Masculine	
ALIZ	Feminine	
ABIGEL	Feminine	
ANNA	Feminine	
BELA	Feminine	
BORA	Feminine	
ELZA	Feminine	
IREN	Feminine	
LIZA	Feminine	
MALI	Feminine	
MARIA	Feminine	
MARIANN	Feminine	
NORA	Feminine	
OLGA	Feminine	
SARA	Feminine	
TEREZ	Feminine	
Hindi First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
AADI	Masculine	
AGNI	Masculine	
ANAND	Masculine	
ARUN	Masculine	
AVNI	Masculine	
BADARA	Masculine	
BALIN	Masculine	
BARUN	Masculine	
GURU	Masculine	
HARIN	Masculine	
KALA	Masculine	
KARAN	Masculine	
MADURA	Masculine	
MALIN	Masculine	
MANAN	Masculine	
MANI	Masculine	

MANINEE	Masculine	
MARA	Masculine	
MERU	Masculine	
MONA	Masculine	
MORA	Masculine	
MORAR	Masculine	
MORARA	Masculine	
MUNI	Masculine	
MURARI	Masculine	
NALA	Masculine	
PRAN	Masculine	
RANI	Masculine	
TARAN	Masculine	
URU	Masculine	
ABRA	Feminine	
ALIN	Feminine	
ANA	Feminine	
ANANDI	Feminine	
ANNA	Feminine	
ARUNA	Feminine	
AVANI	Feminine	
BADARI	Feminine	
BORA	Feminine	
GANNA	Feminine	
HALA	Feminine	
HARA	Feminine	
HARINA	Feminine	
HEENA	Feminine	
LEELA	Feminine	
MADANI	Feminine	
MAINA	Feminine	
MANANA	Feminine	
MENA	Feminine	
RAGA	Feminine	
RINA	Feminine	
URNA	Feminine	
Portuguese First Names		
All Names in CAPITAL LETTERS are on the Cube		
First Name	Gender/Diminutive	
AARAO	Masculine	
ADAO	Masculine	
ANGELO	Masculine	
DANILO	Masculine	
ELIO	Masculine	
HONORIO	Masculine	
LAZARO	Masculine	
LINO	Masculine	
MANUAL	Masculine	
MARIO	Masculine	
NUNO	Masculine	
SOLANO	Masculine	
DINA	Feminine	
ELZA	Feminine	
HELENA	Feminine	
HELIA	Feminine	
IVONE	Feminine	
LARA	Feminine	
LEILA	Feminine	
LAILA	Feminine	
LINA	Feminine	

MARIA	Feminine	
MARIANE	Feminine	
MARINA	Feminine	
NADIA	Feminine	
NINA	Feminine	
OLGA	Feminine	
SARA	Feminine	
SONIA	Feminine	
TANIA	Feminine	
ZARA	Feminine	
ZELIA	Feminine	
ZILA	Feminine	
ZULINA	Feminine	
Chinese Words		
All Names in CAPITAL LETTERS are on the Cube		
Words	Meaning	
DUAN	Family Name	
GUAN	Family Name	
HUAN	Family Name	
HUANG	Family Name	
LIAO	Family Name	
RANG	Family Name	
RONG	Family Name	
WANG	Family Name	
WEI	Family Name	
WENG	Family Name	
YAN	Family Name	
YANG	Family Name	
YIN	Family Name	
YING	Family Name	
YOU	Family Name	
ZOU	Family Name	
HUNAN	Province	
TAIWAN	Island	
LAOWAI	Foreigner	
End Words		
HELLO	English	
SEEU	English	
BYELOL	English	
ADIOS	Spanish	

Breton First Names Cube Design

Cube Layout

In this *particular* design, *all* the preceding Breton First Names can be displayed on a Cube.

After many attempts, the best layout that I have designed is as follows:

- 1- There should be *much less* letters on the Bottom Layer than on the Middle and Top Layers
- 2- Letters on the **Bottom Right** corner should be *consonants* and remain unchanged when 180° rotated
- 3- There should be a *maximum* of 3 blank corners displayed on a same solved Face
- 4- There should be a *maximum* of 2 blank edges displayed on a same solved Face

By applying these rules, we ensure that a maximum number of names can be displayed on a solved face.

Top Layer Layout



Letters on the Top Layer are sorted out as follows:

- 1- 8 **Top Left** letters on corner cubes: B, G, K, L, M, S, P, T, blank
- 2- 7 **Top Center** letters on edge cubes: A, E, O, R, U, W, Y
- 3- 9 **Top Right** letters on corner cubes: A, B, N, E, I, L, D, O, R

Letters are now *logically* combined on corner and edge cubes:

- 1- 3 **Top Left** corner cubes: (B,G,K), (L,M,S), (P,T,blank)
- 2- 3 **Top Center** edge cubes: (A,E), (O,R), (U,W)
- 3- 3 **Top Right** corner cubes: (A,B,N), (E,I,L), (D,O,R)
- 4- 1 **Center** edge cube with *mixed* letters: (Y **Top Center**, O **Middle Left**)

So, now there are 2 corner and 8 edge cubes left that can be used for the 2 remaining layers.

Middle Layer Layout



Letters on the Middle Layer are sorted out as follows:

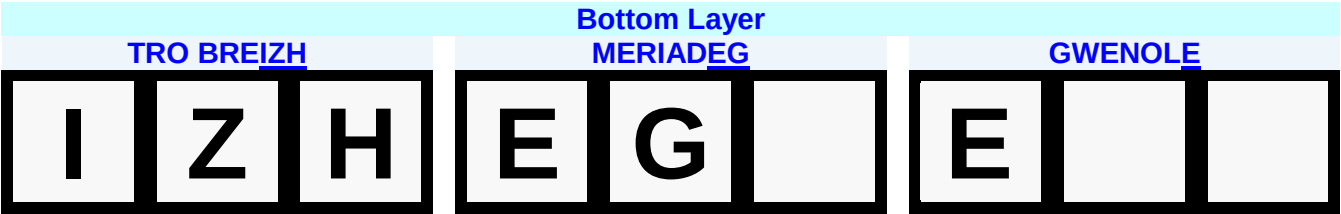
- 1- 9 **Middle Left** letters on edge cubes: A, E, B, I, L, U, V, W, O
- 2- 5 **Middle Center** letters on center cubes: A, G, N, O, R, blank
- 3- 5 **Middle Right** letters on edge cubes: A, E, D, N, L, blank

Letters are now *logically* combined on edge cubes:

- 1- 4 **Middle Left** edge cubes: (A,E), (B,I), (L,U), (V,W)
- 2- 3 **Middle Right** edge cubes: (A,E), (D,N), (L,blank)

So, now there are 2 corner and 1 edge cubes left that can be used for the Bottom Layer.

Bottom Layer Layout



Letters on the Bottom Layer are sorted out as follows:

- 1- 2 Bottom Left letters on 1 corner cube: E, L, blank
- 2- 1 Bottom Center letter on 1 edge cube: G, blank
- 3- 2 Bottom Right letters on 1 corner cube: H, N, blank

Letters are now *logically* combined on corner and edge cubes:

- 1- 1 Bottom Left corner cube: (E,L,blank)
- 2- 1 Bottom Center edge cube: (G,blank)
- 3- 1 Bottom Right corner cube: (H,N,blank)

Note 1 – Letters that are *combined* either on corner or edge cubes should be *carefully* selected. One good practice is **not** to combine letters that can be re-used either **90°** or **180°** rotated. For example, letters 'I' and 'N' should **not** be combined on a *same* cubie.

Note 2 – When letters are *logically* grouped, it is very easy to swap 2 of them if a name cannot be displayed. For example, in an *early* design, **Middle Left** letters were grouped as {(A,B), (E,I), (L,U), (V,W)}. Then it appeared that the name 'GONERI' could not be displayed because letters 'E' and 'I' were on the *same* edge cube. The solution found was simply to swap letters 'B' and 'E' and use a new group {(A,E), (B,I), (L,U), (V,W)} that works.

Note 3 – An 'N' on a **Top Right Corner** can be transformed into a 'Z' on a **Top Left corner** if it is *redrawn*. Conversely, an 'N' on a **Top Left Corner** can be transformed into a 'Z' on a **Top Right corner** if it is *redrawn*. This would lead to the addition of more letters to be used on **90°** rotated cubies.

Note 4 – Due to Cube symmetry properties, an 'H' or an 'N' on a **Bottom Right corner** cube is transformed into the same 'H' or 'N' on the *opposite* **Top Left corner** cube. In the same way, an 'N' on a **Middle Right edge** cube is transformed into the same 'N' on the *opposite* **Middle Left edge** cube. This applies equally to letters 'I', 'O' and 'X'. This would lead to the addition of more letters to be used on **180°** rotated cubies.

Note 5 – There are *only* **3** blank corner cubes faces and **2** blank edge cube faces that can be displayed together on a *same* solved face. This means that First Names could be displayed only if there are *at least* 2 letters on edge cubes and 1 letter on a corner cube. So, check *all* 3-letter First Names against this rule and see if they can be displayed (**DRC**).

Letters Layout Table		
Reading from Left to Right		
With Additional Letters (Some may have to be redrawn)		
Top Left – Corner cubes	Top Center – Edge cubes	Top Right – Corner cubes
B, G, K, L, M, S, P, T, blank	A, E, O, R, U, W, Y	A, B, N, E, I, L, D, O, R
H, N, —, Z	—, Z	Z
Middle Left – Edge cubes	Middle Center – Center cubes	Middle Right – Edge cubes
A, E, B, I, L, U, V, W, O	A, G, N, O, R, blank	A, E, D, N, L, blank
N	Z	I, O
Bottom Left – Corner cube	Bottom Center – Edge cube	Bottom Right – Corner cube
E, L, blank	G, blank	H, N, blank
N, I, O, Z	O, —, Z	S, —, Z
Letters in red are 180° rotated		Letters in blue are 90° rotated
Letters Orientation – Recap		
Top Left – Corner cubes	Top Center – Edge cubes	Top Right – Corner cubes
B, G, K, L, M, S, P, T, blank	A, E, O, R, U, W, Y	A, B, N, E, I, L, D, O, R
Middle Left – Edge cubes	Middle Center – Center cubes	Middle Right – Edge cubes
A, E, B, I, L, U, V, W, O	A, G, N, O, R, blank	A, E, D, N, L, blank
Bottom Left – Corner cube	Bottom Center – Edge cube	Bottom Right – Corner cube
E, L, blank	G, blank	H, N, blank

	A	E
L		

	A	L
A	N	

	A	L
A	O	N

	A	L
A	R	

	A	L
B	A	N

	A	L
E	R	

	A	L
E	R	A

	A	L
L	A	N

		A
L	O	N

	A	L
O	R	

	A	N
A		

	A	N
N	A	

B	A	R
B	A	

B	A	R
B	A	N

B	E	D
A	N	

B	E	N
E	A	D

B	E	N
O	N	E

B	E	N
O	N	I

B	R	A
N		

B	R	I
A	G	

B	R	I
A	N	

B	R	I
E	G	

B	R	I
O	G	

B	U	D
I	G	

B	U	D
O	G	

B	U	D
O	G	A
N		

B	U	Z
I	G	

		D
E	N	E
Z		

		D
I	N	A
N		

		D
O	N	A
N		

	E	D
E	R	N

	E	E
N	N	

	E	L
A	R	

	E	L
E	N	

	E	L
E	R	

	E	L
E	R	A
N		

	E	N
V	A	N

	E	N
E	R	

	E	N
O	R	A

	E	O
A	R	N

	E	O
L		

	E	O
N		

		E
O	Z	E
N		

	E	R
V	O	A
N		

	E	R
W	A	N
N		

		E
V	A	N

		E
V	O	N

E	Z	E
N		

G	A	B
I	G	

G	A	E
L		

G	A	L
L		

G	E	R
A	N	D

G	O	A
L		

G	O	A
U		

G	O	D
I	G	

G	O	N
E	R	I

G	O	N
V	A	L

G	U	E
N		

G	U	I
N		

G	U	I
N	A	L

G	U	R
V	A	L

G	U	R
W	A	L

G	U	R
W	A	N

G	W	E
N		

G	W	E
N	A	E
L		

G	W	E
N	A	L

G	W	E
N	N	A
N		

G	W	E
N	N	I
N		

G	W	E
N	G	A
L		

G	W	E
N	N	

G	W	E
N	O	L
E		

G	W	I
N	A	L

G	W	I
O	N	

H	A	L
O	N	

H	A	R
N		

H	E	L
E	N	

H	E	L
E	N	A

H	E	L
E	R	N

H	E	L
I	N	

H	E	L
O	R	I

H	E	N
A	N	

H	E	N
E	G	

H	E	O
L		

H	E	R
N		

H	O	E
L		

H	O	E
L	A	

		I
A	N	N
I	G	

I	N	A
N		

		I
V	O	N

		I
V	O	N
I	G	

		I
W	A	N

K	A	D
E	G	

K	A	D
O		

K	A	D
K	A	D
O	G	

K	A	D
V	A	N

K	A	O
U		

K	A	O
U	G	

K	A	O
U	R	

K	A	O
U	R	A

K	E	L
I	G	

K	E	N
A	N	

K	O	L
A		

K	O	N
A	N	

K	O	N
E	G	

K	O	N
W	A	L

K	Y	R
I	O	

L	A	N	L	A	R	L	E	A
I	G		A			N		
L	E	N	L	E	N	L	E	N
A			A	R	D	O	R	
L	E	R	L	E	Z	L	O	E
I			I	G		V	A	N
L	O	L	L	U	A	L	U	B
L			N			I	N	
L	U	D	L	U	N	M	A	B
O	N		E	R		I	G	

M	A	B
B	O	N

M	A	D
E	G	

M	A	D
E	N	

M	A	D
I	N	

M	A	D
I	N	A

M	A	D
O	G	

M	A	E
L		

M	A	E
L	G	O
N		

M	A	I
A	N	

M	A	I
A	N	N

M	A	I
N	A	

M	A	L
O		

M	A	N
E	R	

M	A	N
N	A	

M	A	R
B	O	D
E		

M	A	R	M	A	R	M	A	Z
I			I	N	E	E		

M	E	A	M	E	A	M	E	E
L			U	G	O	N		
			N					

M	E	L	M	E	L	M	E	L
A	N		A	R		A	R	I
						E		

M	E	L	M	E	L	M	E	R
E	N		I	N		I	A	D
						E	G	

M	O	D	M	O	D	M	O	L
A	N		E	R	A	A	N	
			N					

M	O	L
I	N	

M	O	L
U	A	N

M	O	L
V	A	N

M	O	N
A		

M	O	R
A	N	

M	O	R
N	A	

M	O	R
V	A	N

N	A	N
N		

N	E	L
I	G	

N	E	N
E	G	

N	E	N
O	G	

N	E	R
I	N	

N	E	Z
I	G	

N	O	A
N		

N	O	A
N	N	

N	O	E
L		

N	O	E
L	A	

N	O	L
I	G	

N	O	N
A		

N	O	N
N		

N	O	N
N	A	

N	O	R
I	G	

O	A	N
I	G	

	O	B
E	R	

	O	N
E	N	

P	A	B
A	N	

P	A	B
U		

P	A	D
E	R	N

P	A	O
L		

P	A	O
L	A	

P	E	D
E	R	N

P	E	R
A	N	

P	E	R
E	G	

P	E	R
N		

P	R	I
V	A	E
L		

		R
E	N	A
N		

	R	E
U	N	

	R	E
U	N	A
N		

	R	I
E	G	

	R	I
E	N	

		R
I	O	G

		R
I	O	N

	R	I
U	A	L

	R	I
V	O	A
L		

	R	I
W	A	L

	R	I			R	S	A	N
W	A	N	O	N	A	E		
			N					

S	E	N	S	E	N	S	E	R
A	N		I			V	A	N

S	E	R	S	E	Z	S	E	Z
V	A	N	I	G		A		
E								

S	O	A	S	O	E	S	O	L
I	G		N			E	N	

S	O	L	S	O	L	S	U	L
E	N	E	E	N	N	I	O	
Z								

Breton First Names: T – T

T	A	D
E	G	

T	A	R
A	N	

T	E	I
L	A	

T	E	L
L	A	

T	E	L
O		

T	O	L
L		

T	O	N
A	N	

T	U	A
L		

T	U	A
L	A	

T	U	D
E	G	

T	U	D
I		

T	U	D
O	N	

T	U	D
U	A	L

T	U	D
W	A	L

T	U	R
I	A	L

T	U	R
I	O	

	U	R
I	A	

	U	R
I	O	

	U	R
L	O	

	U	R
V	O	A
N		

V	O	L
L	O	N

V	O	N
I	G	

W	A	L
I	G	

	Y	A
N	N	

	Y	E
U	N	

	Y	E
U	N	A

	Y	O
A	N	

	Y	O
A	N	N

	Y	O
U	N	

	Y	O
U	N	A

Some Interesting Word Combinations Using 'BREIZH'

TL	TC	TR	K	U	B	B	E	D
ML	MC	MR	B	R	E	B	R	E
BL	BC	BR	I	Z	H	I	Z	H
B	R	O	G	E	R	K	A	N
B	R	E	B	R	E	B	R	E
I	Z	H	I	Z	H	I	Z	H
K	E	R	L	U	R	M	A	B
B	R	E	B	R	E	B	R	E
I	Z	H	I	Z	H	I	Z	H
M	A	D	M	O	D	M	O	R
B	R	E	B	R	E	B	R	E
I	Z	H	I	Z	H	I	Z	H
T	R	I	T	R	O	T	U	D
B	R	E	B	R	E	B	R	E
I	Z	H	I	Z	H	I	Z	H

Breton-English Mini-Dictionary

Since

Name

Fear

	A	B
A	O	E

	A	N
V		

	A	O
N		

Gold

Apple

Baby

	A	O
U	R	

		A
V	A	L

B	A	B
I	G	

Broom

Bred

Beard

		B
A	N	A
L		

B	A	R
A		

B	A	R
V		

Pile

Pretty

Brittany

B	E	R
N		

B	R	A
V		

B	R	E
I	Z	H

Brother

Quickly

Portion

B	R	E
U	R	

B	U	A
N		

		D
A	R	N

Hand

April

		D
O	R	N

		E
B	R	E
L		

French

Call

White

G	A	L
L		

G	A	L
V		

G	W	E
N	N	

Wine

Woman

Sun

G	W	I
N		

G	W	R
E	G	

H	E	O
L		

October

Salt

All

H	E	R
E		

H	O	L
E	N	

H	O	L
L		

Chair

Heart

Singer

K	A	D
O	R	

K	A	L
O	N	

K	A	N
E	R	

Fight

Cabbage

Back

K	A	N
N		

K	A	O
L		

K	E	I
N		

Horses

Corner

Comb

K	E	Z
E	G	

K	O	R
N		

K	R	I
B		

Thunder

Gorse or Furze

Rising Tide

K	U	R
U	N	

L	A	N
N		

L	A	N
V		

Breakfast

Lake

Animal

L	E	I
N		

L	E	N
N		

L	O	E
N		

Stone

Yellow

Lunch

M	A	E
N		

M	E	L
E	N	

M	E	R
E	N	N

No

Hunger

Four

N	A	N
N		

N	A	O
N		

P	E	D
E	R	

Far

People, Nation

Saturday

P	E	L
L		

P	O	B
L		

S	A	D
O	R	N

Soap

Music Player

Table

S	O	A
V	O	N

S	O	N
E	R	

T	A	O
L		

(Celtic) Harp

Roof

One

T	E	L
E	N	N

T	O	E
N	N	

	U	N
A	N	

Brittany Homeland

Brittany Sea

Brittany People

B	R	O
B	R	E
I	Z	H

M	O	R
B	R	E
I	Z	H

T	U	D
B	R	E
I	Z	H

	A	L			A		A	R
B	A	N	N	N	E	I	A	N
						E		
		D		E	L	G	A	B
I	A	N	L	A		I	N	
E								
G	E	R	G	U	E	H	O	N
A	R	D	N	O	L	O	R	E
			E					
H	E	L	L	A	Z	L	E	O
E	N	E	A	R	E	N		
		L	M	A	R	M	E	D
E	O	N	I	N	A	A	R	D

N	A	D			N			
I	N	E	I	N	A		N	I
						N	O	N
P	E	L		R	E			R
A	G	I	I	N	E	E	N	E
E								
S	A	B	S	Y	L			
I	N	E	V	A	I			
			N					
	A	B		A	L		A	L
B	A	N	A	N		A	N	A
	A	L			A		A	R
E	N	A	N	G	I	I	A	N
			E			E		

B	E	L
L	A	

B	R	I
A	N	

B	R	I
A	N	A

	E	L
L	A	

G	A	L
E		

H	O	N
O	R	

H	A	N
N	A	

L	E	A
N	N	

		L
O	G	A
N		

		L
O	R	E
N		

L	Y	N
N		

M	A	R
L	O	N

M	E	L
L	O	N

N	O	R
A		

		N
O	R	A

P	E	N	S	E	R			
N			E	N				
	A	N			A			A
N	A		N	N	A	N	N	E
	E	R	L	E	N			L
N	A		A			E	N	A
K	A	R	M	A	R	M	A	R
I	N		I	A		I	N	A
N	A	D	S	A	B	S	A	R
I	N	E	I	N	E	A		

K	A	R
L		

K	A	R
L	A	

	A	R
I		

A	R	N
I		

	E	L
I	N	

K	A	R
I		

		N
I	N	A

P	A	L
L		

	A	N
N	A	

		A
N	N	A

M	A	R
I	A	

	E	L
I	A	

	E	N
E	A	

		E
N	Z	O

		L	M	A	R			N
E	O	N	I	O		A	N	N
E						I		
		A		A	D		A	L
B	R	I	A	N	A	A	N	O
L								
	A	L		A	L	B	E	B
A	Z	N	B	A		E		
E								
B	E	L	B	O	N			B
E	N		A			O	N	A
B	U	E		E	R			
N	A		O	N		E	R	O
						N		

G	A	B
I	N	O

G	A	L
E	N	A

G	A	L
E	N	O

G	E	Z
A	N	A

G	E	Z
A	N	E

G	O	R
A	N	E

H	O	N
O	R	

L	A	L
A		

L	A	L
I	A	

L	A	L
L	A	

L	E	R
A		

		L
E	R	A

L	O	L
A		

M	A	D
E	N	A

M	A	D
I	A	

M	A	D
I	N	A

M	A	N
O		

M	O	R
A		

N	A	I
A	R	A

N	E	E
N	A	

N	E	I
V	A	

N	E	L
I	A	

N	E	N
A		

N	E	R
E	A	

N	E	R
O	N	

	O	R
O		

P	A	B
L	A	

P	A	B
L	O	

P	A	L
B	A	

P	A	L
B	A	N

P	A	L
B	E	N

P	U	R
A		

P	U	R
E	Z	A

	R	A
I		

	R	I
A		

	R	O
A	N	A

	R	O
A	N	O

S	A	B
A	N	A

S	E	I
N		

S	E	I
N	A	

S	E	N
O	N	A

S	O	L
A	N	A

T	A	B
O	R	

T	A	B
O	R	A

T	A	D
E	O	

T	O	L	T	O	N	T	O	R
I			I	O		O		
T	U	R		U	R		Y	O
I			B	A	N	A	N	A
			O					
		Z	Z	E	L	Z	U	R
A	N	A	I	A		I	N	A
Z	U	R						
I	N	E						

	A	R	M	E	D	M	O	R
N	A	L	I	N	A	E	N	O
M	U	N	P	E	N	P	E	R
O	Z		A			E	Z	
H	O	L			D	S	E	
A			O	N	D	V	A	
			E					

Solving a Breton First Names Cube Step by Step

In this example, a step by step solving process is applied to the Breton First Names Cube, just described before. Note that we only need to solve a *single* Face out of six. We will solve a Face for MERIADEG.

Solve the Cross First

Standard Rubik's Cube Solving

Then Solve the Corner Cubes

Standard Rubik's Cube Solving

Step 1

	A	

Center A on Front Face

Step 2

	E	
	A	

Top Layer: Edge Cube E

Step 3

	E	
	A	
	G	

Bottom Layer: Edge Cube G

Step 4

	E	
I	A	
	G	

Middle Layer: Edge Cube I

Step 5

	E	
I	A	D
	G	

Middle Layer: Edge Cube D

Step 6

M	E	
I	A	D
	G	

Top Layer: Corner Cube M

Step 7

M	E	R
I	A	D
	G	

Top Layer: Corner Cube R

Step 8

M	E	R
I	A	D
E	G	

Bottom Layer: Corner Cube E

Step 9

M	E	R
I	A	D
E	G	

Bottom Layer: Corner Blank

Step 10

M	E	R
I	A	D
E	G	

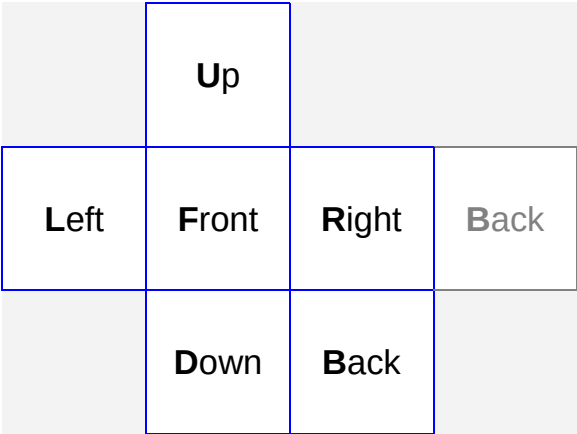
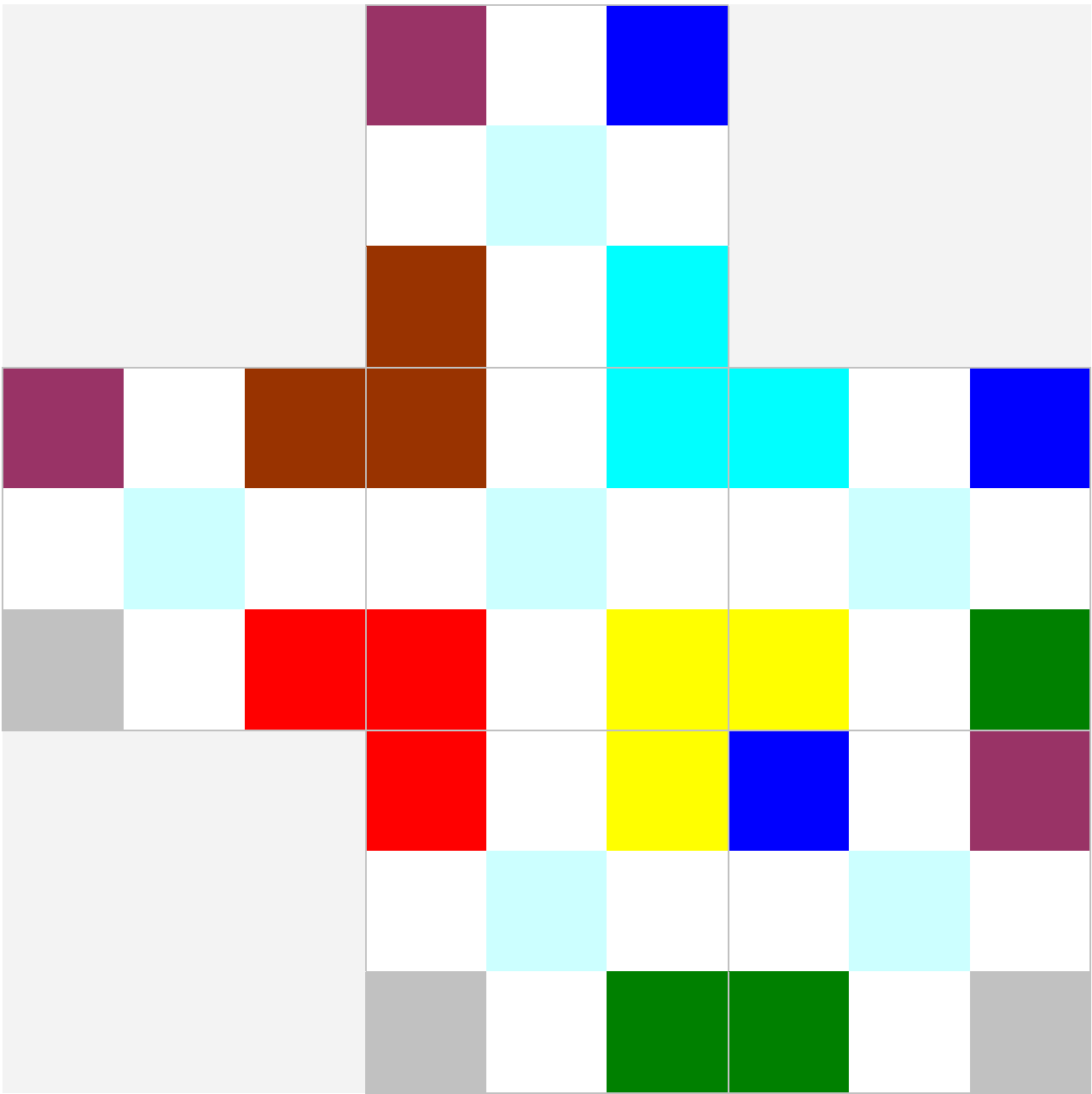
That's it !

Print out this page and fill in the blank faces with *your* data. Then try to design your *own* Cube.

TL	TC	TR
ML	MC	MR
BL	BC	BR

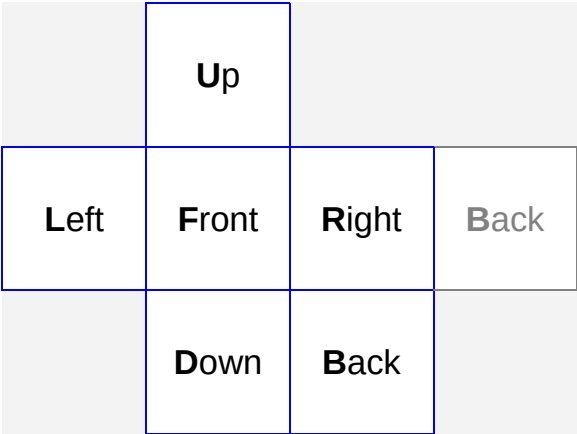
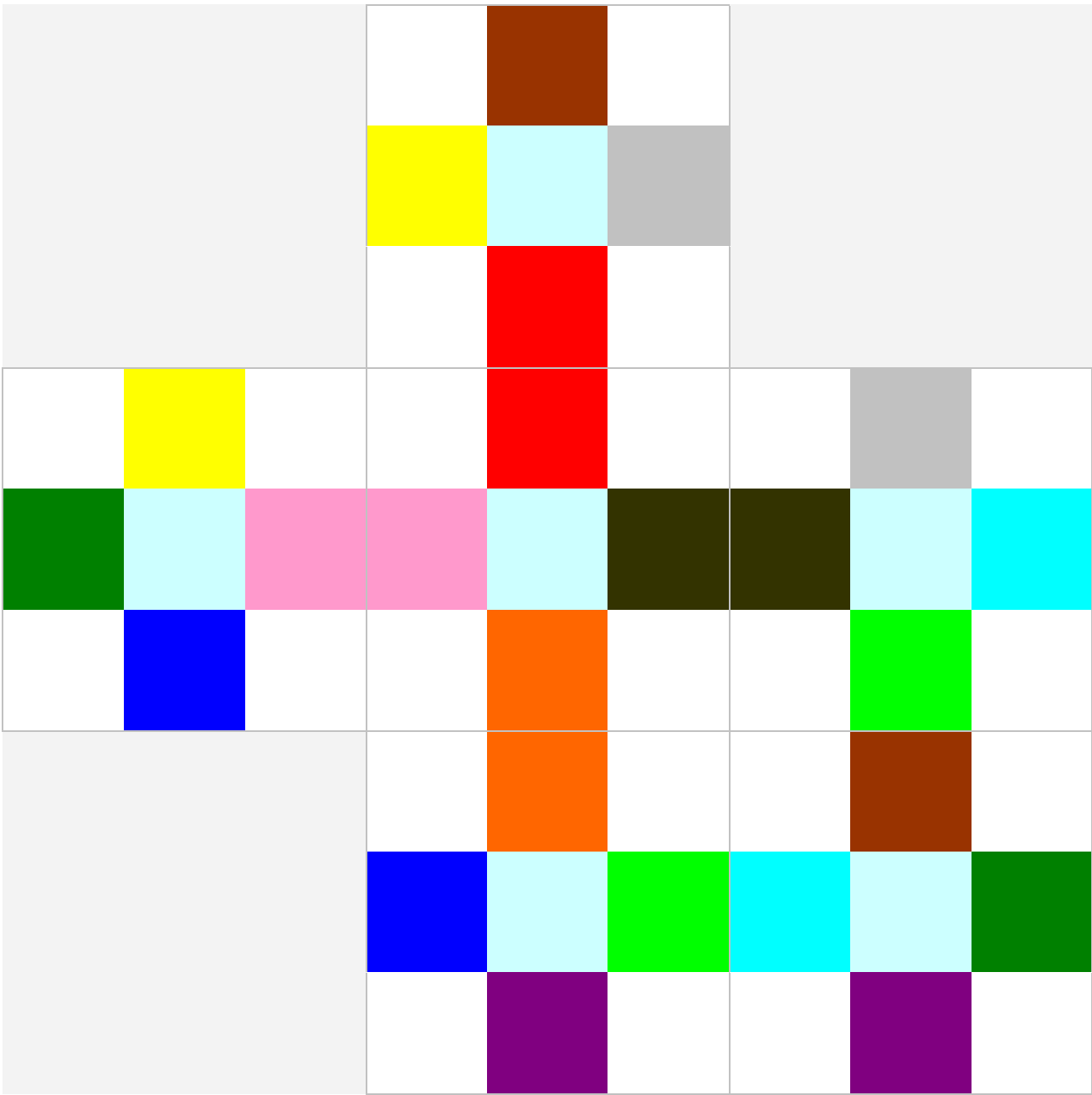
Corner Cubes Final Check

There are 8 Corner Cubes and 3 faces per Corner Cube. In the diagram below, each Corner Cube is displayed in 8 different colors and with the same color applied to each of its 3 faces. This diagram can be used as a convenient *visual aid* to check Design Rules (DRC).



Edge Cubes Final Check

There are 12 Edge Cubes and 2 faces per Edge Cube. In the diagram below, each Edge Cube is displayed in 12 different colors and with the same color applied to each of its 2 faces. This diagram can be used as a convenient *visual aid* to check Design Rules (DRC).



Texture Template

This is a texture template that can be printed out and used for writing down numbers and letters by hand *prior to* texture design. All is needed are pencil, rubber...and time.

