# **Greek and Coptic**

## Range: 0370-03FF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 6.1* 

This file may be changed at any time without notice to reflect errata or other updates to the Unicode Standard. See http://www.unicode.org/errata/ for an up-to-date list of errata.

See http://www.unicode.org/charts/ for access to a complete list of the latest character code charts.

See http://www.unicode.org/charts/PDF/Unicode-6.1/ for charts showing only the characters added in Unicode 6.1.

See http://www.unicode.org/Public/6.1.0/charts/ for a complete archived file of character code charts for Unicode 6.1.

#### Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 6.1 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode Standard, Version 6.1, online at http://www.unicode.org/versions/Unicode6.1.0/, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, and #44, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See http://www.unicode.org/ucd/ and http://www.unicode.org/reports/

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

#### **Fonts**

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts. The particular fonts used in these charts were provided to the Unicode Consortium by a number of different font designers, who own the rights to the fonts.

See http://www.unicode.org/charts/fonts.html for a list.

## **Terms of Use**

You may freely use these code charts for personal or internal business uses only. You may not incorporate them either wholly or in part into any product or publication, or otherwise distribute them without express written permission from the Unicode Consortium. However, you may provide links to these charts.

The fonts and font data used in production of these code charts may NOT be extracted, or used in any other way in any product or publication, without permission or license granted by the typeface owner(s).

The Unicode Consortium is not liable for errors or omissions in this file or the standard itself. Information on characters added to the Unicode Standard since the publication of the most recent version of the Unicode Standard, as well as on characters currently being considered for addition to the Unicode Standard can be found on the Unicode web site.

See http://www.unicode.org/pending/pending.html and http://www.unicode.org/alloc/Pipeline.html.

Copyright © 1991-2012 Unicode, Inc. All rights reserved.

	037	038	039	03A	03B	03C	03D	03E	03F
0	<b>I</b> -		<b>i</b>	03A0	ΰ 03B0	π 03C0	6	<b>3</b>	<b>X</b>
1	<b>1</b> -		<b>A</b>	<b>P</b> 03A1	<b>O</b> 03B1	<b>P</b>	<b>9</b>	) 03E1	<b>Q</b> 03F1
2	<b>T</b>		$\mathbf{B}$		$\mathop{\beta}_{{}_{\scriptscriptstyle{03B2}}}$	<b>S</b>	Υ 03D2	<b>Q</b>	<b>C</b>
3	<b>T</b>		<b>Г</b>	<b>2</b> 03A3	<b>γ</b>	<b>O</b>	<b>Y</b>	<b>9</b>	<b>j</b> 03F3
4	0374	0384	0394	T 03A4	<b>S</b>	<b>T</b>	Ϋ́ 03D4	<b>Q</b> 03E4	O3F4
5	<b>/</b> 0375	0385	<b>E</b>	<b>Y</b>	<b>E</b>	<b>U</b>	ф 03D5	<b>q</b> 03E5	<b>€</b>
6	<b>V</b> 0376	<b>A</b> 0386	<b>Z</b> 0396	<b>Ф</b>	<b>ک</b>	<b>φ</b>	<b>W</b> 03D6	<b>b</b> 03E6	<b>Э</b>
7	<b>1</b> 10	0387	H 0397	X 03A7	<b>η</b>	<b>X</b> 03C7	<b>7</b> 03D7	<b>b</b>	<b>Þ</b>
8		<b>E</b>	<b>(</b>	<b>Ψ</b>	<b>0</b> 3B8	Ψ 03C8	<b>Q</b> 03D8	<b>2</b> 03E8	<b>b</b>
9		<b>H</b>	<b>I</b>	Ω 03A9	<b>1</b>	<b>W</b>	<b>Q</b> 03D9	<b>2</b> 03E9	<b>C</b>
Α	Ն 037A	<b>'I</b>	<b>K</b>	<b>Ï</b>	<b>K</b>	<b>i</b>	<b>C</b>	<b>X</b> 03EA	<b>M</b>
В	<b>O</b>		<b>1</b> 039B	<b>Ÿ</b>	<b>λ</b>	<b>Ü</b>	<b>5</b>	<b>X</b> 03EB	M 03FB
С	<b>©</b>	<b>O</b>	M 039C	ά 03AC	<b>µ</b> 03ВС	<b>Ó</b>	F	<b>6</b>	<b>р</b>
D	<b>3</b>		<b>N</b> 039D	É 03AD	<b>V</b>	Ú 03CD	F	<b>6</b>	O3FD
Е	• • • 037E	<b>Y</b> 038E	039E	ή 03ΑΕ	<b>گ</b>	<b>Ó</b>	<b>5</b>	T 03EE	© 03FE
F		<b>Ω</b>	O 039F	<b>Ú</b>	<b>O</b>	K 03CF	<b>4</b>	1 03EF	<b>3</b>

		etters	0389	Ή	GREEK CAPITAL LETTER ETA WITH TONOS
0370	ŀ	GREEK CAPITAL LETTER HETA	0004	<b>/T</b>	= 0397 <b>H</b> 0301 <b>ó</b>
		$ ightarrow$ 2C75 ${f F}$ latin capital letter half h	038A	Ί	
0371	ጉ		038B	$\omega$	= 0399 I 0301 6 <reserved></reserved>
0070		→ 2C76 F latin small letter half h	038C	Ø Ø	GREEK CAPITAL LETTER OMICRON WITH
0372			0300	U	TONOS
0373	Т	GREEK SMALL LETTER ARCHAIC SAMPI			= 039F <b>O</b> 0301 ∕
Nun	neral	signs	038D		<reserved></reserved>
0374	. ′	GREEK NUMERAL SIGN	038E	Ϋ́	GREEK CAPITAL LETTER UPSILON WITH TONOS
		= dexia keraia			≡ 03A5 <b>Y</b> 0301 Ć
		• indicates numeric use of letters	038F	$\Omega$	GREEK CAPITAL LETTER OMEGA WITH TONOS
		→ 02CA ′ modifier letter acute accent		,	<b>=</b> 03A9 <b>Ω</b> 0301 <sup>ć</sup>
0375		■ 02B9 ′ modifier letter prime GREEK LOWER NUMERAL SIGN	0390	ί	GREEK SMALL LETTER IOTA WITH DIALYTIKA
0070	′ ′	= aristeri keraia			AND TONOS
		• indicates numeric use of letters	0391	٨	= 03CA ï 0301 6 GREEK CAPITAL LETTER ALPHA
		→ 02CF _ modifier letter low acute accent	0392	В	
Δrcl	naic le	etters	0393	Г	
0376		GREEK CAPITAL LETTER PAMPHYLIAN	0000	•	= gamma function
0070	, ,1	DIGAMMA			→ 213E <b>『</b> double-struck capital gamma
0377	'n	GREEK SMALL LETTER PAMPHYLIAN DIGAMMA	0394	$\Delta$	GREEK CAPITAL LETTER DELTA
lota	subs	crint			$ ightarrow$ 2206 $\Delta$ increment
037		GREEK YPOGEGRAMMENI	0395	E	GREEK CAPITAL LETTER EPSILON
0317	١.	= iota subscript	0396	Z	GREEK CAPITAL LETTER ZETA
		→ 0345 o combining greek ypogegrammeni	0397		GREEK CAPITAL LETTER ETA
		≈ 0020 sp 0345 o	0398	_	GREEK CAPITAL LETTER THETA
Low	ercas	e of editorial symbols	0399	I	GREEK CAPITAL LETTER IOTA = iota adscript
037E		GREEK SMALL REVERSED LUNATE SIGMA	039A	K	GREEK CAPITAL LETTER KAPPA
0011	, ,	SYMBOL	039B		GREEK CAPITAL LETTER LAMDA
0370	c c	GREEK SMALL DOTTED LUNATE SIGMA	039C		GREEK CAPITAL LETTER MU
		SYMBOL	039D	N	GREEK CAPITAL LETTER NU
0370	) э	GREEK SMALL REVERSED DOTTED LUNATE	039E	Ξ	GREEK CAPITAL LETTER XI
		SIGMA SYMBOL	039F	Ο	GREEK CAPITAL LETTER OMICRON
Pun	ctuat	ion	03A0	Π	
037E	;	GREEK QUESTION MARK			→ 213F III double-struck capital pi
		= erotimatiko	0044	-	→ 220F ∏ n-ary product
		• sentence-final punctuation	03A1	ω P	GREEK CAPITAL LETTER RHO
		• 003B; is the preferred character → 003F? question mark	03A2 03A3	Σ	<reserved> GREEK CAPITAL LETTER SIGMA</reserved>
		= 003B; semicolon	UJAJ	_	$\rightarrow$ 01A9 $\Sigma$ latin capital letter esh
C	_• <b>_</b>	,			$\rightarrow$ 2211 $\sum$ n-ary summation
		accent marks	03A4	Т	GREEK CAPITAL LETTER TAU
0384		GREEK TONOS	03A5	Y	GREEK CAPITAL LETTER UPSILON
		→ 00B4 ´ acute accent → 030D o combining vertical line above	03A6	Φ	GREEK CAPITAL LETTER PHI
		≈ 0020 sp 0301 6	03A7	X	GREEK CAPITAL LETTER CHI
0385		GREEK DIALYTIKA TONOS	03A8	Ψ	GREEK CAPITAL LETTER PSI
		= 00A8 ° 0301 ′s	03A9	Ω	GREEK CAPITAL LETTER OMEGA
Lett	or				$\rightarrow$ 2126 $\Omega$ ohm sign
0386		GREEK CAPITAL LETTER ALPHA WITH TONOS	0044	¥	→ 2127 To inverted ohm sign
0300	A	= 0391 <b>A</b> 0301 6	03AA	I	GREEK CAPITAL LETTER IOTA WITH DIALYTIKA ≡ 0399 I 0308 Ö
_			03AB	Ÿ	
	ctuat		UJAD	1	DIALYTIKA
0387	•	GREEK ANO TELEIA			≡ 03A5 <b>Y</b> 0308 °
		• functions in Greek like a semicolon	03AC	ά	
		• 00B7 · is the preferred character ≡ 00B7 · middle dot			<b>≡</b> 03B1 <b>α</b> 0301 Ó
		- 00b/ · Middle dot	03AD	έ	GREEK SMALL LETTER EPSILON WITH TONOS
Lett					≡ 03B5 ε 0301 Ó
0388	E	GREEK CAPITAL LETTER EPSILON WITH TONOS	03AE	ή	GREEK SMALL LETTER ETA WITH TONOS
		= 0395 <b>E</b> 0301 <sup>♦</sup>			<b>≡</b> 03B7 <b>η</b> 0301 Ć

03AF	ί	GREEK SMALL LETTER IOTA WITH TONOS	03CC	ó	GREEK SMALL LETTER OMICRON WITH TONOS
	.4	≡ 03B9 ι 0301 Ó			<b>≡</b> 03BF <b>o</b> 0301 Ó
03B0	ΰ	GREEK SMALL LETTER UPSILON WITH	03CD	ύ	GREEK SMALL LETTER UPSILON WITH TONOS
		DIALYTIKA AND TONOS ≡ 03CB Ü 0301 Ó	0005	,	= 03C5 υ 0301 Ó
03B1	~		03CE	ώ	GREEK SMALL LETTER OMEGA WITH TONOS
0301	α	GREEK SMALL LETTER ALPHA  → 0251 α latin small letter alpha			<b>≡</b> 03C9 <b>ω</b> 0301 ′
		→ 221D ∝ proportional to	Varia	nt le	tterforms
03B2	β	GREEK SMALL LETTER BETA	03CF	Ķ	GREEK CAPITAL KAI SYMBOL
0002	Р	$\rightarrow$ 00DF $\beta$ latin small letter sharp s		`	→ 03D7 ¾ greek kai symbol
		$\rightarrow$ 0180 $\mathbf{b}$ latin small letter b with stroke	03D0	б	GREEK BETA SYMBOL
03B3	γ	GREEK SMALL LETTER GAMMA			= curled beta
0020	,	→ 0263 y latin small letter gamma			pprox 03B2 $eta$ greek small letter beta
		→ 213D y double-struck small gamma	03D1	$\vartheta$	GREEK THETA SYMBOL
03B4	δ	GREEK SMALL LETTER DELTA			= script theta
03B5	3	GREEK SMALL LETTER EPSILON			• used as a technical symbol
		$ ightarrow$ 025B $\epsilon$ latin small letter open e	03D2	v	$\approx$ 03B8 $\theta$ greek small letter theta
03B6	ζ	GREEK SMALL LETTER ZETA	03D2	Υ	
03B7	ή	GREEK SMALL LETTER ETA	03D3	Υ	≈ 03A5 Y greek capital letter upsilon GREEK UPSILON WITH ACUTE AND HOOK
03B8	θ	GREEK SMALL LETTER THETA	03D3	1	SYMBOL
		$\rightarrow$ 0275 $\Theta$ latin small letter barred o			≡ 03D2 Υ 0301 Ó
		$\rightarrow$ 0473 $\Theta$ cyrillic small letter fita	03D4	Ϋ	GREEK UPSILON WITH DIAERESIS AND HOOK
03B9	ι	GREEK SMALL LETTER IOTA		-	SYMBOL
		$ ightarrow$ 0269 $\iota$ latin small letter iota			≡03D2 <b>Υ</b> 0308 Ö
		$\rightarrow$ 2129 $\iota$ turned greek small letter iota	03D5	φ	GREEK PHI SYMBOL
03BA	κ	GREEK SMALL LETTER KAPPA			<ul> <li>used as a technical symbol, with a stroked</li> </ul>
03BB	λ	GREEK SMALL LETTER LAMDA			glyph
0000		= lambda			<ul><li>maps to "phi1" symbol entities</li></ul>
03BC	μ	GREEK SMALL LETTER MU			$\approx$ 03C6 $\phi$ greek small letter phi
0200		→ 00B5 µ micro sign	03D6	$\boldsymbol{\omega}$	GREEK PI SYMBOL
03BD	٧	GREEK SMALL LETTER NU			= omega pi
03BE	ξ	GREEK SMALL LETTER ANGROAM			• used as a technical symbol
03BF	0	GREEK SMALL LETTER OMICRON			• a variant of pi, looking like omega
03C0	π	GREEK SMALL LETTER PI	03D7	н	≈ 03C0 π greek small letter pi GREEK KAI SYMBOL
03C1	_	• math constant 3.141592 GREEK SMALL LETTER RHO	0301	<i>b</i>	• used as an ampersand
03C1	ρ ς	GREEK SMALL LETTER FINAL SIGMA			→ 2CE4 <b>K</b> coptic symbol kai
0302	5	= stigma (the Modern Greek name for this			
		letterform)	Archa		*****
		• not to be confused with the actual stigma	03D8	Q	GREEK LETTER ARCHAIC KOPPA
		letter	03D9	Q	GREEK SMALL LETTER ARCHAIC KOPPA
		ightarrow 03DB $ m G$ greek small letter stigma			• the Q-shaped archaic koppas are the ordinary
03C3	σ	GREEK SMALL LETTER SIGMA			alphabetic letters and can also be used as symbols with a numeric value of 90 in classical
		• used symbolically with a numeric value 200			and pre-classical texts
03C4	τ	GREEK SMALL LETTER TAU	03DA	Ç	GREEK LETTER STIGMA
03C5	υ	GREEK SMALL LETTER UPSILON			• apparently in origin a cursive form of digamma
		$\rightarrow$ 028A $\sigma$ latin small letter upsilon			• the name "stigma" originally applied to a
0200		→ 028B v latin small letter v with hook			medieval sigma-tau ligaturé, whose shape was
03C6	φ	GREEK SMALL LETTER PHI			confusably similar to the cursive digamma
		→ 0278 <b>\( \phi \)</b> latin small letter phi → 03D5 <b>\( \phi \)</b> greek phi symbol			• used as a symbol with a numeric value of 6
		• the ordinary Greek letter, showing considerable	03DB		→ 2185 <b>C</b> roman numeral six late form <b>GREEK SMALL LETTER STIGMA</b>
		glyph variation	USDB	5	$\rightarrow$ 03C2 $\varsigma$ greek small letter final sigma
		• in mathematical contexts, the loopy glyph is	03DC	F	GREEK LETTER DIGAMMA
		preferred, to contrast with 03D5 $\phi$	03DD	F	GREEK SMALL LETTER DIGAMMA
03C7	χ	GREEK SMALL LETTER CHI	0000	г	• used as a symbol with a numeric value of 6
03C8	Ψ	GREEK SMALL LETTER PSI	03DE	5	GREEK LETTER KOPPA
03C9	ω	GREEK SMALL LETTER OMEGA	03DF	ų	GREEK SMALL LETTER KOPPA
03CA	ï	GREEK SMALL LETTER IOTA WITH DIALYTIKA		·	• used in modern Greek as a symbol with a
		≡ 03B9 ι 0308 ö			numeric value of 90, as in the dating of legal
03CB	ΰ	GREEK SMALL LETTER UPSILON WITH	00=0	~	documentation
		DIALYTIKA	03E0	3	GREEK LETTER SAMPI
		≡ 03C5 υ 0308 ¨			

03E1 3 GREEK SMALL LETTER SAMPI

• used as a symbol with a numeric value of 900

### **Coptic letters derived from Demotic**

For other Coptic letters see the Coptic Block.

03E2 (1) COPTIC CAPITAL LETTER SHEI

03E4 4 COPTIC CAPITAL LETTER FEI

03E5 q COPTIC SMALL LETTER FEI

03E6 **b** COPTIC CAPITAL LETTER KHEI

03E7 b COPTIC SMALL LETTER KHEI

03E8 ? COPTIC CAPITAL LETTER HORI

03E9 ¿ COPTIC SMALL LETTER HORI

03EA 💢 COPTIC CAPITAL LETTER GANGIA

03EB x COPTIC SMALL LETTER GANGIA

03EC 6 COPTIC CAPITAL LETTER SHIMA

03ED 6 COPTIC SMALL LETTER SHIMA 03EE † COPTIC CAPITAL LETTER DEI

03EF † COPTIC SMALL LETTER DEI

#### **Variant letterforms**

03F0 α GREEK KAPPA SYMBOL

= script kappa

• used as technical symbol

≈ 03BA κ greek small letter kappa

03F1 Q GREEK RHO SYMBOL

= tailed rho

• used as technical symbol

≈ 03C1  $\rho$  greek small letter rho

03F2 C GREEK LUNATE SIGMA SYMBOL

= greek small letter lunate sigma (1.0)

 $\approx$  03C2  $\varsigma$  greek small letter final sigma

## **Additional letter**

03F3 j GREEK LETTER YOT

# Variant letterforms and symbols

03F4  $\Theta$  GREEK CAPITAL THETA SYMBOL

→ 0472 **\Overlightarrow** cyrillic capital letter fita

 $\approx$  0398  $\Theta$  greek capital letter theta

03F5 € GREEK LUNATE EPSILON SYMBOL

= straight epsilon

→ 220Å ∈ small element of

≈ 03B5 **ɛ** greek small letter epsilon

03F6 > GREEK REVERSED LUNATE EPSILON SYMBOL

= reversed straight epsilon

 $\rightarrow$  220D  $\Rightarrow$  small contains as member

#### **Additional archaic letters for Bactrian**

03F7 Þ GREEK CAPITAL LETTER SHO

03F8 b GREEK SMALL LETTER SHO

#### Variant letterform

03F9 C GREEK CAPITAL LUNATE SIGMA SYMBOL

 $\approx$  03A3  $\Sigma$  greek capital letter sigma

## **Archaic letters**

03FA M GREEK CAPITAL LETTER SAN

03FB M GREEK SMALL LETTER SAN

## Symbol

03FC  $\rho$  GREEK RHO WITH STROKE SYMBOL

ullet used with abbreviations containing 03C1 ullet

### **Editorial symbols**

03FD O GREEK CAPITAL REVERSED LUNATE SIGMA SYMBOL

= antisigma

= sigma periestigmenon

03FF 3 GREEK CAPITAL REVERSED DOTTED LUNATE

SIGMA SYMBOL

= antisigma periestigmenon