

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, last updated for *The Unicode Standard, Version 4.0*.

This file may be updated as necessary to reflect errata without notice. For an up-to-date list of errata, see <http://www.unicode.org/errata/>

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These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 4.0 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 excerpt file, please consult the appropriate sections of *The Unicode Standard, Version 4.0* (ISBN 0-321-18578-1), as well as Unicode Standard Annexes #9, #11, #14, #15, #24 and #29, the other Unicode Technical Reports and the Unicode Character Database, which are available on-line.

See <http://www.unicode.org/Public/UNIDATA/UCD.html> and <http://www.unicode.org/reports/>

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

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

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Based on ISO 8859-7

0374	´	GREEK NUMERAL SIGN = dexia keraia • indicates numeric use of letters → 02CA ´ modifier letter acute accent ≡ 02B9 ´ modifier letter prime	038C	◊	GREEK CAPITAL LETTER OMICRON WITH TONOS ≡ 039F ◊ 0301 ◊
0375	,	GREEK LOWER NUMERAL SIGN = aristeri keraia • indicates numeric use of letters → 02CF , modifier letter low acute accent	038D	◻	<reserved>
0376	◻	<reserved>	038E	Υ	GREEK CAPITAL LETTER UPSILON WITH TONOS ≡ 03A5 Υ 0301 ◊
0377	◻	<reserved>	038F	Ω	GREEK CAPITAL LETTER OMEGA WITH TONOS ≡ 03A9 Ω 0301 ◊
0378	◻	<reserved>	0390	ι̇	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS ≡ 03CA ι̇ 0301 ◊
0379	◻	<reserved>	0391	Α	GREEK CAPITAL LETTER ALPHA
037A	˘	GREEK YPOGEGRAMMENI = iota subscript → 0345 ◊ combining greek ypogegrammeni ≈ 0020 sp 0345 ◊	0392	Β	GREEK CAPITAL LETTER BETA
037B	◻	<reserved>	0393	Γ	GREEK CAPITAL LETTER GAMMA = gamma function
037C	◻	<reserved>	0394	Δ	GREEK CAPITAL LETTER DELTA → 2206 Δ increment
037D	◻	<reserved>	0395	Ε	GREEK CAPITAL LETTER EPSILON
037E	;	GREEK QUESTION MARK = erotimatiko • sentence-final punctuation • 003B ; is the preferred character → 003F ? question mark ≡ 003B ; semicolon	0396	Ζ	GREEK CAPITAL LETTER ZETA
037F	◻	<reserved>	0397	Η	GREEK CAPITAL LETTER ETA
0380	◻	<reserved>	0398	Θ	GREEK CAPITAL LETTER THETA
0381	◻	<reserved>	0399	Ι	GREEK CAPITAL LETTER IOTA = iota adscript
0382	◻	<reserved>	039A	Κ	GREEK CAPITAL LETTER KAPPA
0383	◻	<reserved>	039B	Λ	GREEK CAPITAL LETTER LAMDA
0384	´	GREEK TONOS → 00B4 ´ acute accent → 030D ◊ combining vertical line above ≈ 0020 sp 0301 ◊	039C	Μ	GREEK CAPITAL LETTER MU
0385	ˆ	GREEK DIALYTIKA TONOS ≡ 00A8 ˆ 0301 ◊	039D	Ν	GREEK CAPITAL LETTER NU
0386	Α	GREEK CAPITAL LETTER ALPHA WITH TONOS ≡ 0391 Α 0301 ◊	039E	Ξ	GREEK CAPITAL LETTER XI
0387	·	GREEK ANO TELEIA • functions in Greek like a semicolon • 00B7 · is the preferred character ≡ 00B7 · middle dot	039F	Ο	GREEK CAPITAL LETTER OMICRON
0388	Ε	GREEK CAPITAL LETTER EPSILON WITH TONOS ≡ 0395 Ε 0301 ◊	03A0	Π	GREEK CAPITAL LETTER PI → 220F ∏ n-ary product
0389	Η	GREEK CAPITAL LETTER ETA WITH TONOS ≡ 0397 Η 0301 ◊	03A1	Ρ	GREEK CAPITAL LETTER RHO
038A	Ι	GREEK CAPITAL LETTER IOTA WITH TONOS ≡ 0399 Ι 0301 ◊	03A2	◻	<reserved>
038B	◻	<reserved>	03A3	Σ	GREEK CAPITAL LETTER SIGMA → 01A9 Σ latin capital letter esh → 2211 ∑ n-ary summation
			03A4	Τ	GREEK CAPITAL LETTER TAU
			03A5	Υ	GREEK CAPITAL LETTER UPSILON
			03A6	Φ	GREEK CAPITAL LETTER PHI
			03A7	Χ	GREEK CAPITAL LETTER CHI
			03A8	Ψ	GREEK CAPITAL LETTER PSI
			03A9	Ω	GREEK CAPITAL LETTER OMEGA → 2126 Ω ohm sign → 2127 Ω inverted ohm sign
			03AA	ι̇	GREEK CAPITAL LETTER IOTA WITH DIALYTIKA ≡ 0399 Ι 0308 ◊
			03AB	Υ̇	GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA ≡ 03A5 Υ 0308 ◊
			03AC	α̇	GREEK SMALL LETTER ALPHA WITH TONOS ≡ 03B1 α 0301 ◊

03AD	έ	GREEK SMALL LETTER EPSILON WITH TONOS ≡ 03B5 ε 0301 ς
03AE	ή	GREEK SMALL LETTER ETA WITH TONOS ≡ 03B7 η 0301 ς
03AF	ί	GREEK SMALL LETTER IOTA WITH TONOS ≡ 03B9 ι 0301 ς
03B0	ϊ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS ≡ 03CB ü 0301 ς
03B1	α	GREEK SMALL LETTER ALPHA → 0251 α latin small letter alpha → 221D ∝ proportional to
03B2	β	GREEK SMALL LETTER BETA → 00DF β latin small letter sharp s → 0180 б latin small letter b with stroke
03B3	γ	GREEK SMALL LETTER GAMMA → 0263 γ latin small letter gamma
03B4	δ	GREEK SMALL LETTER DELTA
03B5	ε	GREEK SMALL LETTER EPSILON → 025B ε latin small letter open e
03B6	ζ	GREEK SMALL LETTER ZETA
03B7	η	GREEK SMALL LETTER ETA
03B8	θ	GREEK SMALL LETTER THETA → 0275 ø latin small letter barred o → 0473 ө cyrillic small letter fita
03B9	ι	GREEK SMALL LETTER IOTA → 0269 ι latin small letter iota → 2129 ϭ turned greek small letter iota
03BA	κ	GREEK SMALL LETTER KAPPA
03BB	λ	GREEK SMALL LETTER LAMDA = lambda
03BC	μ	GREEK SMALL LETTER MU → 00B5 μ micro sign
03BD	ν	GREEK SMALL LETTER NU
03BE	ξ	GREEK SMALL LETTER XI
03BF	ο	GREEK SMALL LETTER OMICRON
03C0	π	GREEK SMALL LETTER PI • math constant 3.141592...
03C1	ρ	GREEK SMALL LETTER RHO
03C2	ς	GREEK SMALL LETTER FINAL SIGMA = stigma (the Modern Greek name for this letterform) • not to be confused with the actual stigma letter → 03DB Ϸ greek small letter stigma
03C3	σ	GREEK SMALL LETTER SIGMA • used symbolically with a numeric value 200
03C4	τ	GREEK SMALL LETTER TAU
03C5	υ	GREEK SMALL LETTER UPSILON → 028A υ latin small letter upsilon → 028B v latin small letter v with hook

03C6	φ	GREEK SMALL LETTER PHI → 0278 φ latin small letter phi → 03D5 ϕ greek phi symbol • the ordinary Greek letter, showing considerable glyph variation • in mathematical contexts, the loopy glyph is preferred, to contrast with 03D5 ϕ
03C7	χ	GREEK SMALL LETTER CHI
03C8	ψ	GREEK SMALL LETTER PSI
03C9	ω	GREEK SMALL LETTER OMEGA
03CA	ϊ	GREEK SMALL LETTER IOTA WITH DIALYTIKA ≡ 03B9 ι 0308 ö
03CB	ϋ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA ≡ 03C5 υ 0308 ö
03CC	ό	GREEK SMALL LETTER OMICRON WITH TONOS ≡ 03BF ο 0301 ς
03CD	ύ	GREEK SMALL LETTER UPSILON WITH TONOS ≡ 03C5 υ 0301 ς
03CE	ώ	GREEK SMALL LETTER OMEGA WITH TONOS ≡ 03C9 ω 0301 ς

Variant letterforms

03D0	β	GREEK BETA SYMBOL = GREEK SMALL LETTER CURLED BETA ≈ 03B2 β greek small letter beta
03D1	ϑ	GREEK THETA SYMBOL = GREEK SMALL LETTER SCRIPT THETA • used as a technical symbol ≈ 03B8 θ greek small letter theta
03D2	Υ	GREEK UPSILON WITH HOOK SYMBOL = GREEK CAPITAL LETTER UPSILON HOOK ≈ 03A5 Y greek capital letter upsilon
03D3	Υ̇	GREEK UPSILON WITH ACUTE AND HOOK SYMBOL = GREEK CAPITAL LETTER UPSILON HOOK TONOS ≡ 03D2 Υ 0301 ς
03D4	Ϛ	GREEK UPSILON WITH DIAERESIS AND HOOK SYMBOL = GREEK CAPITAL LETTER UPSILON HOOK DIAERESIS ≡ 03D2 Υ 0308 ö
03D5	ϕ	GREEK PHI SYMBOL • used as a technical symbol, with a stroked glyph • maps to “phi1” symbol entities ≈ 03C6 φ greek small letter phi

- 03D6 ω GREEK PI SYMBOL
= GREEK SMALL LETTER OMEGA PI
• used as a technical symbol
• a variant of pi, looking like omega
≈ 03C0 π greek small letter pi
- 03D7 \varkappa GREEK KAI SYMBOL
• used as an ampersand

Archaic letters

- 03D8 Ω GREEK LETTER ARCHAIC KOPPA
- 03D9 ω GREEK SMALL LETTER ARCHAIC KOPPA
• the Q-shaped archaic koppas are the ordinary alphabetic letters
- 03DA Σ GREEK LETTER STIGMA
• apparently in origin a cursive form of digamma
• the name “stigma” originally applied to a medieval sigma-tau ligature, whose shape was confusably similar to the cursive digamma
• used as a symbol with a numeric value of 6
- 03DB ς GREEK SMALL LETTER STIGMA
→ 03C2 ς greek small letter final sigma
- 03DC Φ GREEK LETTER DIGAMMA
- 03DD ϕ GREEK SMALL LETTER DIGAMMA
• used as a symbol with a numeric value of 6
- 03DE χ GREEK LETTER KOPPA
- 03DF χ GREEK SMALL LETTER KOPPA
• used in modern Greek as a symbol with a numeric value of 90, as in the dating of legal documentation
- 03E0 Υ GREEK LETTER SAMPI
- 03E1 \ypsilon GREEK SMALL LETTER SAMPI
• used as a symbol with a numeric value of 900

Coptic letters derived from Demotic

- 03E2 Υ COPTIC CAPITAL LETTER SHEI
- 03E3 \ypsilon COPTIC SMALL LETTER SHEI
- 03E4 Φ COPTIC CAPITAL LETTER FEI
- 03E5 ϕ COPTIC SMALL LETTER FEI
- 03E6 χ COPTIC CAPITAL LETTER KHEI
- 03E7 χ COPTIC SMALL LETTER KHEI
- 03E8 θ COPTIC CAPITAL LETTER HORI
- 03E9 θ COPTIC SMALL LETTER HORI
- 03EA χ COPTIC CAPITAL LETTER GANGIA
- 03EB χ COPTIC SMALL LETTER GANGIA
- 03EC σ COPTIC CAPITAL LETTER SHIMA
- 03ED σ COPTIC SMALL LETTER SHIMA
- 03EE τ COPTIC CAPITAL LETTER DEI
- 03EF τ COPTIC SMALL LETTER DEI

Variant letterforms

- 03F0 \varkappa GREEK KAPPA SYMBOL
= GREEK SMALL LETTER SCRIPT KAPPA
• used as technical symbol
≈ 03BA κ greek small letter kappa
- 03F1 ρ GREEK RHO SYMBOL
= GREEK SMALL LETTER TAILED RHO
• used as technical symbol
≈ 03C1 ρ greek small letter rho
- 03F2 σ GREEK LUNATE SIGMA SYMBOL
= GREEK SMALL LETTER LUNATE SIGMA
≈ 03C2 σ greek small letter final sigma

Additional letter

- 03F3 \jmath GREEK LETTER YOT

Variant letterforms and symbols

- 03F4 Θ GREEK CAPITAL THETA SYMBOL
→ 0472 Θ cyrillic capital letter fita
≈ 0398 Θ greek capital letter theta
- 03F5 ϵ GREEK LUNATE EPSILON SYMBOL
= straight epsilon
→ 220A ϵ small element of
≈ 03B5 ϵ greek small letter epsilon
- 03F6 ε GREEK REVERSED LUNATE EPSILON SYMBOL
= reversed straight epsilon
→ 220D ε small contains as member

Additional archaic letters for Bactrian

- 03F7 ρ GREEK CAPITAL LETTER SHO
- 03F8 ρ GREEK SMALL LETTER SHO

Variant letterform

- 03F9 Σ GREEK CAPITAL LUNATE SIGMA SYMBOL
≈ 03A3 Σ greek capital letter sigma

Archaic letters

- 03FA \mathcal{M} GREEK CAPITAL LETTER SAN
- 03FB \mathcal{m} GREEK SMALL LETTER SAN