

Greek Unicode with `lgrenc.dfu`

The definitions in `lgrenc.dfu` provide standards-compatible UTF-8 support for Greek based on the extended font encoding definitions in `lgrxenc.def`.

Like other *inputenc* Unicode definitions, they only work for text in the correct font encoding (in this case LGR). The font encoding is automatically set to LGR by the babel-languages *greek* and *polutonikogreek*.

Combined with the accompanying package `textalpha.sty`, Greek Unicode characters can be used without explicit language or font-encoding change – with some limitations (kerning, MakeUppercase/MakeLowercase, multiple accents) described in `textalpha-test`.

Greek and Coptic

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
370	*	*	*	*	'		*	*	.	.	.	*	*	*	;	
380	.	.	.	.	'	'	'A	.	'E	'H	'I	.	'O	.	'Υ	'Ω
390	ι	Α	Β	Γ	Δ	Ε	Ζ	Η	Θ	Ι	Κ	Λ	Μ	Ν	Ξ	Ο
3A0	Π	Ρ	.	Σ	Τ	Υ	Φ	Χ	Ψ	Ω	Ϊ	Ϋ	ά	έ	ή	ί
3B0	ύ	α	β	γ	δ	ε	ζ	η	θ	ι	κ	λ	μ	ν	ξ	ο
3C0	π	ρ	ς	σ	τ	υ	φ	χ	ψ	ω	ϊ	ϋ	ό	ύ	ώ	
3D0	*	*	*	*	*	*	*	*	Ω	ϙ	ϒ	ϛ	Ϝ	ϝ	*	ι
3E0	Λ	Ϝ	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3F0	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* glyph missing in LGR, . Unicode point not defined

Greek Extended

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
1F00	ἁ	ἂ	ἃ	ἄ	ἅ	ἆ	ἇ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ
1F10	ἐ	ἐ	ἐ	ἐ	ἐ	ἐ	.	.	Ἐ	Ἐ	Ἐ	Ἐ	Ἐ	Ἐ	.	
1F20	ἥ	ἇ	Ἀ	Ἁ	Ἂ	Ἃ	Ἄ	Ἅ	ἦ	ἦ	ἦ	ἦ	ἦ	ἦ	ἦ	ἦ
1F30	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	Ἰ	Ἰ	Ἰ	Ἰ	Ἰ	Ἰ	Ἰ	Ἰ
1F40	ὀ	ὂ	ὃ	ὄ	ὅ	὆	.	.	Ὠ	Ὠ	Ὠ	Ὠ	Ὠ	Ὠ	.	
1F50	ὠ	ὡ	ὢ	ὣ	ὣ	ὣ	ὣ	ὣ	.	Υ	.	Υ	.	Υ	.	Υ
1F60	ὤ	ὥ	ὦ	ὧ	Ὠ	Ὡ	Ὢ	Ὣ	Ὤ	Ὥ	Ὦ	Ὧ	ὰ	ά	ὲ	ὲ
1F70	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ὀ	ὂ	ὃ	ὄ	ὅ	὆	὇	
1F80	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ
1F90	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	Ἠ	Ἠ	Ἠ	Ἠ	Ἠ	Ἠ	Ἠ	Ἠ
1FA0	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	Ἦ	Ἦ	Ἦ	Ἦ	Ἦ	Ἦ	Ἦ	Ἦ
1FB0	ἱ	ἱ	ἱ	ἱ	ἱ	.	ἱ	ἱ	Ἀ	Ἀ	Ἀ	Ἀ	Ἀ			
1Fc0	ἱ	ἱ	ἱ	ἱ	ἱ	.	ἱ	ἱ	Ἐ	Ἐ	Ἠ	Ἠ	Ἠ			
1FD0	ἱ	ἱ	ἱ	ἱ	.	.	ἱ	ἱ	Ἰ	Ἰ	Ἰ	Ἰ	.			
1FE0	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	ἱ	Υ	Υ	Υ	Υ	Ἰ			
1FF0	.	.	ἱ	ἱ	ἱ	.	ἱ	ἱ	Ὠ	Ὠ	Ὠ	Ὠ	Ἦ			

Other Unicode Blocks

Latin-1 Supplement: “ « ’ . »

IPA Extensions: ə

Spacing Modifier Letters: ͆α

General Punctuation: ZWNJ¹: ΑΥ (comp. ΑΥ) — — ‘ ’ ‰

Currency Symbols: €

Ancient Greek Numbers: Ͱ ͱ Ͳ ͳ

MakeUppercase, MakeLowercase

Other Unicode Blocks

“ « ’ . » “ « ’ . »

ə ə

͆Α ͆α

ΑΥ (≠ ΑΥ) — — ‘ ’ ‰ αυ (≠ αυ) — — ‘ ’ ‰

€ €

Ͱ ͱ Ͳ ͳ Ͱ ͱ Ͳ ͳ

¹zero width no joiner

Greek and Coptic

ˆ, ı ;
 ˆA ˆE H I O ˆΥ Ω
 İ A B Γ Δ E Z H Θ İ K Λ M N Ξ O
 Π Ρ Σ Τ Υ Φ Χ Ψ Ω İ ˆΥ A E H I
 ˆΥ A B Γ Δ E Z H Θ İ K Λ M N Ξ O
 Π Ρ Σ Σ Τ Υ Φ Χ Ψ Ω İ ˆΥ O ˆΥ Ω
 ϐ ϐ ϐ ϐ ϐ ϐ ϐ ϐ
 λ λ

ἄ·έήιόού
 ιαβγδεζηθικλμνξο
 πρςτυφχψωϊϋάέήί
 ύαβγδεζηθικλμνξο
 πρςστυφχψωϊϋόύώ
 ϑ ϑ ϑ ϑ ϑ ϑ
 ϗ ϗ

The lowercase of Σ is the «auto-sigma»: $\Sigma \mapsto \varsigma$, $\Sigma T \mapsto \sigma\tau$. Add a ZWNJ or use the `\noboundary` macro to prevent conversion to final sigma: $\sigma\sigma$. The lowercase of Γ is τ .

A A A A A A A A A A A A A A A A
E E E E E E E E E E
H H H H H H H H H H H H H H
I I I I I I I I I I I I I I
O O O O O O O O O O O O
Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ
Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω
A A E E H H I I O O Υ Υ Ω Ω
A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁ A₁
H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁ H₁
Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁ Ω₁
Ä Ä A₁ A₁ A₁ A A₁ Ä Ä A A A₁ ,
¨H₁ H₁ H₁ H H₁ E E H H H₁
ÿ ÿ ÿ ÿ ÿ ÿ ÿ ÿ ÿ
Ÿ Ÿ Ÿ Ÿ P P Ÿ Ÿ Ÿ Ÿ Ÿ P ¯
Ω₁ Ω₁ Ω₁ Ω Ω₁ O O Ω Ω Ω₁

[illegible]