

# Gentium Plus - Font Features

Gentium Plus is an OpenType-enabled font family that supports the Latin, Cyrillic, and Greek scripts. It includes a number of optional features that may be useful or required for particular uses or languages. This document lists all the available features.

These OpenType features are primarily specified using four-letter tags (e.g. 'cv17'), although some applications may provide a direct way to control certain common features such as small caps. For more information on how to access OpenType features in specific environments and applications, see [Using Font Features](#).

*Please note that Graphite support has been removed in the current release, but continues to be available in the version 5 fonts. See our [Previous Versions archive](#).*

This page uses web fonts (WOFF2) to demonstrate font features and should display correctly in all modern browsers. For a more concise example of how to use Charis SIL as a web font see [Gentium Plus Webfont Example](#). For detailed information see [Using SIL Fonts on Web Pages](#).

*If this document is not displaying correctly a PDF version is also provided in the documentation/pdf folder of the release package.*

## Complete feature list

### Stylistic alternates

#### Small caps from lowercase

Affects: all lowercase letters with capital equivalents

Feature	Sample	Feature setting
Standard	a ... Z (all letters with capital equivalents)	smcp=0
Small caps	A ... Z (all letters with capital equivalents)	smcp=1

#### Small caps from capitals

Affects: all capitals

Feature	Sample	Feature setting
Standard	A ... Z (all capitals)	c2sc=0
Small caps	A ... Z (all capitals)	c2sc=1

## Literacy a and g

Affects: U+0061 U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EB7 U+2C65 U+2090 U+1D43 U+0363 U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

Feature	Sample	Feature setting
Standard	a à á â ã ä å ā ă ą ǎ ȁ ȃ ȅ ȇ ȉ ȋ ȍ ȏ ȑ ȓ ȕ ȗ ș ț ȝ ȟ ȡ ȣ ȥ ȧ ȩ ȫ ȭ Ȯ Ȱ Ȳ ȴ ȶ ȸ ᵃ ᵄ ᵆ ᵈ ᵊ ᵌ ᵎ ᵐ ᵒ ᵔ ᵖ ᵘ ᵚ ᵜ ᵞ ᵠ ᵢ ᵣ ᵤ ᵥ ᵦ ᵨ ᵪ ᵬ ᵮ ᵰ ᵲ ᵴ ᵶ ᵸ ᵺ ᵼ ᵿ ᶀ ᶂ ᶄ ᶆ ᶈ ᶊ ᶌ ᶎ ᶐ ᶒ ᶔ ᶖ ᶘ ᶚ ᶜ ᶤ ᶦ ᶨ ᶬ ᶮ ᶯ ᶱ ᶳ ᶵ ᶷ ᶹ ᶻ ᶽ ᶿ ᷀ ᷂ ᷄ ᷆ ᷈ ᷊ ᷌ ᷎ ᷐ ᷒ ᷔ ᷖ ᷘ ᷚ ᷜ ᷞ ᷠ ᷢ ᷤ ᷦ ᷨ ᷪ ᷬ ᷮ ᷰ ᷲ ᷴ ᷶ ᷸ ᷺ ᷼ ᷾ ᷠ ᷢ ᷤ ᷦ ᷨ ᷪ ᷬ ᷮ ᷰ ᷲ ᷴ ᷶ ᷸ ᷺ ᷼ ᷾ ᷠ ᷢ ᷤ ᷦ ᷨ ᷪ ᷬ ᷮ ᷰ ᷲ ᷴ ᷶ ᷸ ᷺ ᷼ ᷾	ss01=0
Single-story	ɑ ̀ ́ ̂ ̃ ̄ ̅ ̆ ̇ ̈ ̉ ̊ ̋ ̌ ̍ ̎ ̏ ̐ ̑ ̒ ̓ ̔ ̕ ̖ ̗ ̘ ̙ ̚ ̛ ̜ ̝ ̞ ̟ ̠ ̡ ̢ ̣ ̤ ̥ ̦ ̧ ̨ ̩ ̪ ̫ ̬ ̭ ̮ ̯ ̰ ̱ ̲ ̳ ̴ ̵ ̶ ̷ ̸ ̹ ̺ ̻ ̼ ̽ ̾ ̿ ̀ ́ ͂ ̓ ̈́ ͅ ͆ ͇ ͈ ͉ ͊ ͋ ͌ ͍ ͎ ͏ ͐ ͑ ͒ ͓ ͔ ͕ ͖ ͗ ͘ ͙ ͚ ͛ ͜ ͝ ͞ ͟ ͠ ͡ ͢ ͣ ͤ ͥ ͦ ͧ ͨ ͩ ͪ ͫ ͬ ͭ ͮ ͯ Ͱ ͱ Ͳ ͳ ʹ ͵ Ͷ ͷ ͸ ͹ ͺ ͻ ͼ ͽ Ϳ ̀ ́ ͂ ̓ ̈́ ͅ ͆ ͇ ͈ ͉ ͊ ͋ ͌ ͍ ͎ ͏ ͐ ͑ ͒ ͓ ͔ ͕ ͖ ͗ ͘ ͙ ͚ ͛ ͜ ͝ ͞ ͟ ͠ ͡ ͢ ͣ ͤ ͥ ͦ ͧ ͨ ͩ ͪ ͫ ͬ ͭ ͮ ͯ Ͱ ͱ Ͳ ͳ ʹ ͵ Ͷ ͷ ͸ ͹ ͺ ͻ ͼ ͽ Ϳ	ss01=1

**Literacy a (only)**

Affects: U+0061 U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EB7 U+2C65 U+2090 U+1D43 U+0363

Feature	Sample	Feature setting
Standard	a à á â ã ä å æ ç è é ê ë í î ï ð ñ ò ó ô õ ö ø ù ú û ü ý ÿ ǎ ă ą ȧ ȩ Ȫ ȫ Ȭ ȭ Ȯ Ȱ ȱ Ȳ ȳ ȴ ȵ ȶ ȷ ȸ ȹ Ⱥ Ȼ ȼ Ƚ Ⱦ ȿ	ss11=0
Single-story	ɑ ̀ ́ ̂ ̃ ̄ ̅ ̆ ̇ ̈ ̉ ̊ ̋ ̌ ̍ ̎ ̏ ̐ ̑ ̒ ̓ ̔ ̕ ̖ ̗ ̘ ̙ ̚ ̛ ̜ ̝ ̞ ̟ ̠ ̡ ̢ ̣ ̤ ̥ ̦ ̧ ̨ ̩ ̪ ̫ ̬ ̭ ̮ ̯ ̰ ̱ ̲ ̳ ̴ ̵ ̶ ̷ ̸ ̹ ̺ ̻ ̼ ̽ ̾ ̿ ͇͈͉͍͎̀́͂̓̈́͆͊͋͌ͅ͏͓͔͕͖͙͚͐͑͒͗͛ͣͤͥͦͧͨͩͪͫͬͭͮͯ͘͜͟͢͝͞͠͡ͰͱͲͳʹ͵Ͷͷ͸͹ͺͻͼͽͿ	ss11=1

**Literacy g (only)**

Affects: U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

Feature	Sample	Feature setting
Standard	g ĝ ğ ħ ģ ĥ ħ ħ ħ ħ ħ ħ	ss12=0
Single-story	g ĝ ğ ħ ģ ĥ ħ ħ ħ ħ ħ ħ	ss12=1

## Barred-bowl forms

Affects: U+0111 U+0180 U+01E5

Feature	Sample	Feature setting
Standard	$\hat{d} \hat{b} \hat{g}$	ss04=0
Barred-bowl	$\bar{d} \bar{b} \bar{g}$	ss04=1

## Slant italic specials

Affects: U+0061 U+00E3 U+00E0 U+00E1 U+00E2 U+00E4 U+00E5 U+0101 U+0103 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EA1 U+1EB7 U+2C65 U+0250 U+00E6 U+0066 U+1E1F U+0069 U+00EC U+00ED U+00EE U+00EF U+0129 U+012B U+012D U+012F U+01D0 U+0209 U+020B U+1E2D U+1E2F U+1EC9

U+1ECB U+0131 U+006C U+013A U+1E37 U+1E39 U+1E3B U+1E3D U+0076 U+1E7D U+1E7F U+007A U+017A U+017C U+017E U+1E91 U+1E93 U+1E95 U+0493 U+04FB U+F327 U+A749 U+A75F U+2097

Feature	Sample	Feature setting
Standard	a ã à á â ä å ā Ḃ Ḅ Ḥ Ḭ Ṁ Ṇ Ṱ Ṳ Ṵ Ṷ Ṹ Ṻ Ṽ ṽ Ṿ Ṽ Ṽ Ṽ Ṽ ǎ ø œ f fi î í î ī î ĭ ĩ ĵ ħ Ĩ Ī Ļ Ŀ Œ Ŧ Ţ ŷ Ź ž Ž Z z æ ç F Ç fi ffi	ss05=0
Slanted	a ã à á â ä å ā Ḃ Ḅ Ḥ Ḭ Ṁ Ṇ Ṱ Ṳ Ṵ Ṷ Ṹ Ṻ Ṽ ṽ Ṿ Ṽ Ṽ Ṽ Ṽ ǎ ø œ f fi î í î ī î ĭ ĩ ĵ ħ Ĩ Ī Ļ Ŀ Œ Ŧ Ţ ŷ Ź ž Ž Z z æ ç F Ç fi ffi	ss05=1

## Character alternates

## B hook

Affects: U+0181

Feature	Sample	Feature setting
Standard	Б	cv13=0
Lowercase-style	Б	cv13=1

## D hook

Affects: U+018A

Feature	Sample	Feature setting
Standard	$\mathcal{D}$	cv17=0
Lowercase-style	$\mathcal{d}$	cv17=1



## H stroke

Affects: U+0126

Feature	Sample	Feature setting
Standard	H	cv28=0
Vertical stroke	H	cv28=1

## J stroke hook

Affects: U+0284

Feature	Sample	Feature setting
Standard		cv37=0
Top serif		cv37=1

## Eng

Affects: U+014A

Feature	Sample	Feature setting
Standard	Ŋ	cv43=0
Lowercase style on baseline	ŋ	cv43=1
Uppercase style with descender	N̊	cv43=2
Alt. lowercase style on baseline	ɳ	cv43=3

## N left hook

Affects: U+019D

Feature	Sample	Feature setting
Standard	N̊	cv44=0
Lowercase-style	ɳ	cv44=1

## Open-O

Affects: U+0186 U+0254 U+1D10 U+1D53 U+1D97

Feature	Sample	Feature setting
Standard	Ɔ ɔ ɔ ɔ ɔ	cv46=0
Top serif	Ɔ ɔ ɔ ɔ ɔ	cv46=1

## OU

Affects: U+0222 U+0223 U+1D3D U+1D15

Feature	Sample	Feature setting
Standard	8 8 8 8	cv47=0
Open	8 8 8 8	cv47=1

## p hook

Affects: U+01A5

Feature	Sample	Feature setting
Standard	Ɔ	cv49=0
Right hook	Ɔ	cv49=1

## R tail

Affects: U+2C64

Feature	Sample	Feature setting
Standard	ᚱ	cv55=0
Lowercase-style	ᚲ	cv55=1

## T hook

Affects: U+01AC

Feature	Sample	Feature setting
Standard	Ṯ	cv57=0
Right hook	Ṯ̃	cv57=1

## V hook

Affects: U+01B2 U+028B U+1DB9

Feature	Sample	Feature setting
Standard	Ṳ Ṳᵛ	cv62=0
Straight with low hook	Ṳᶘ Ṳᶙ	cv62=1
Straight with high hook	Ṳᶜ Ṳᶜᵛ	cv62=2

## Y hook

Affects: U+01B3

Feature	Sample	Feature setting
Standard	Ṳ̃	cv68=0
Left hook	Ṳ̃̅	cv68=1

## Ezh

Affects: U+01B7 U+04E0

Feature	Sample	Feature setting
Standard	Ʒ Ʒ	cv20=0
Reversed sigma	Ʒ̅ Ʒ̅	cv20=1

## ezh curl

Affects: U+0293

Feature	Sample	Feature setting
Standard	Ʒ̣	cv19=0
Large bowl	Ʒ̣̅	cv19=1



## Modifier apostrophe

Affects: U+02BC U+A78B U+A78C

Feature	Sample	Feature setting
Standard	’ l l	cv70=0
Large	’ l l	cv70=1

## Modifier colon

Affects: U+A789

Feature	Sample	Feature setting
Standard	:	cv71=0
Expanded	:	cv71=1

## Empty set

Affects: U+2205

Feature	Sample	Feature setting
Standard	∅	cv98=0
Zero-style	∅	cv98=1

## Cyrillic alternates

There are also Cyrillic characters affected by the “Ezh” and “Small capitals” features. Some languages may also use the “Modifier apostrophe”.

## Cyrillic E

Affects: U+042D U+044D

Feature	Sample	Feature setting
Standard	Э э	cv80=0
Mongolian-style	Э э	cv80=1

## Cyrillic shha

Affects: U+04BB

Feature	Sample	Feature setting
Standard	Һ	cv81=0
Uppercase-style	Һ	cv81=1





beta

Affects: U+03B2 U+1D66 U+1D5D

Feature	Sample	Feature setting
Standard	β β β	cv14=0
With serifs	β β β	cv14=1

Tone alternates

Chinantec tones

Affects: U+02CB U+02C8 U+02C9 U+02CA

Feature	Sample	Feature setting
Standard	˘ ˘ ˘ ˘	cv90=0
Chinantec-style	˘ ˘ ˘ ˘	cv90=1

Tone numbers

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ	cv91=0
Numbers	5 4 3 2 1 5 4 3 2 1	cv91=1

Hide tone contour staves

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ ᵀ (ᵀ ᵀ)	cv92=0
Hide staves	˘ ˘ ˘ ˘ ˘ ˘ ˘ ˘ ˘ ˘ (ᵀ ᵀ)	cv92=1