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	aàáâãäåāăąǎāāååâââáââââââååååååååååååååååååååååååå	ss01=0
Single-story	aàáâãäåāāąǎāāååàâàaadāâââââáá ằåãặ¤aa°gggggggg	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	aàáâãäåāăąăāāååàâàaạảạåââââââáăåååå ãặaaa ి	ss11=0
Single-story	α ὰ ά ᾶ ᾶ α α α α α α α α α α α α α α α α α	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	gĝġġģģģgēg ^g	ss12=0
Single-story	g ĝ ğ ġ ģ ǧ ġ g ḡ ǥ ^g	ss12=1

Barred-bowl forms

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

Feature	Sample	Feature setting
Standard	đbg	ss04=0
Barred-bowl	d b 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+1EA5 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+0129 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	aãàáâäåāăăāāååââaaååâââããáăååãå ặøɐæffiìíîïĩīĭįĭĭîjïíiılĺḷḷḷtıvῦy៷zźż ž͡zzzɛę̞ f̞e̞ fiffi	ss05=0
Slanted	aãàáâäåāăăāāáåââaáåáâââãáăååãa ặaeæffiìíîïīīĭįĭïîįïíiilĺḷḷḷħıvῦywzźż žĉzzғӻӺfiffi	ss05=1

Character alternates

B hook

Affects: U+0181

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

D hook

Affects: U+018A

Feature	Sample	Feature setting
Standard	D	cv17=0
Lowercase-style	Ф	cv17=1

H stroke

Affects: U+0126

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

J stroke hook

Affects: U+0284

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

Eng

Affects: U+014A

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

N left hook

Affects: U+019D

Feature	Sample	Feature setting
Standard	N	cv44=0
Lowercase-style	n	cv44=1

Open-O

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

Feature	Sample	Feature setting
Standard	J o o o o	cv46=0
Top serif	J ɔ ɔ ɔ ɔ ɔ	cv46=1

ΟU

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

Feature	Sample	Feature setting
Standard	888 ⁸	cv47=0
Open	8888	cv47=1

p hook

Affects: U+01A5

Feature	Sample	Feature setting
Standard	β	cv49=0
Right hook	pf	cv49=1

R tail

Affects: U+2C64

Feature	Sample	Feature setting
Standard	R	cv55=0
Lowercase-style	r	cv55=1

T hook

Affects: U+01AC

Feature	Sample	Feature setting
Standard	Т	cv57=0
Right hook	T	cv57=1

V hook

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

Feature	Sample	Feature setting
Standard	υ υ ^υ	cv62=0
Straight with low hook	V v ^v	cv62=1
Straight with high hook	Vν ^ν	cv62=2

Y hook

Affects: U+01B3

Feature	Sample	Feature setting
Standard	Υ	cv68=0
Left hook	Υ	cv68=1

Ezh

Affects: U+01B7 U+04E0

Feature	Sample	Feature setting
Standard	3 3	cv20=0
Reversed sigma	ΣΣ	cv20=1

ezh curl

Affects: U+0293

Feature	Sample	Feature setting
Standard	3	cv19=0
Large bowl	3	cv19=1

rams horn

Affects: U+0264

Feature	Sample	Feature setting
Standard	8	cv25=0
Large bowl	ठ	cv25=1
Small gamma	γ	cv25=2

Diacritic and symbol alternates

Vietnamese-style diacritics

Affects: U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EA4 U+1EAB U+1EAE U+1EAF U+1EB0 U+1EB1 U+1EB1 U+1EB2 U+1EB3 U+1EB4 U+1EB5 U+1EBE U+1EBF U+1EC0 U+1EC1 U+1EC2 U+1EC3 U+1EC3 U+1EC5 U+1ED0 U+1ED1 U+1ED2 U+1ED3 U+1ED4 U+1ED5 U+1ED6 U+1ED7

Feature	Sample	Feature setting
Standard	ấá Àà Ảả Ãã Ấá Xắ Àà Ảắ Ãã ÉÉ ÈÈ ÉÉ ÕÓ ÔÔ ÔÔ ÕÕ	cv75=0
Vietnamese- style	ấã Àầ Ẩẩ Ấã Ăắ Ăằ Åằ Åẵ Éế Èề Éể ễể ốố Òồ ổổ ỗỗ	cv75=1

Kayan diacritics

Affects: U+0300 U+0301

Feature	Sample	Feature setting
Standard	Ś	cv79=0
Side by side	č	cv79=1

Ogonek

Affects: U+0328 U+0104 U+0105 U+0118 U+0119 U+012E U+012F U+0172 U+0173 U+01EA U+01EB U+01EC U+01ED

Feature	Sample	Feature setting
Standard	anything with \wp (Ąą Ęę Įį Ųų Qọ $ar{Q}ar{\wp}$)	cv76=0
Straight	anything with ${\tt Q}(\mbox{\tt A}\mbox{\tt a}\mbox{\tt E}\mbox{\tt E}\mbox{\tt E}\mbox{\tt I}\mbox{\tt I}\mbox{\tt U}\mbox{\tt U}\mbox{\tt Q}\mbox{\tt Q}\mbox{\tt Q}\mbox{\tt Q}$	cv76=1

Caron

Affects: U+010F U+013D U+013E U+0165

Feature	Sample	Feature setting
Standard	^ť	cv77=0
Global-style	^ť	cv77=1

Modifier apostrophe

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

Feature	Sample	Feature setting
Standard	111	cv70=0
Large	,11	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	Ø	cv98=0
Zero-style	Ø	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	Ээ	cv80=0
Mongolian-style	Ээ	cv80=1

Cyrillic shha

Affects: U+04BB

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

Cyrillic breve

Affects: U+0306

Feature	Sample	Feature setting
Standard	anything with ŏ (ðð)	cv82=0
Cyrillic-style	anything with ് (ðశ)	cv82=1

Serbian Cyrillic alternates

These alternate forms mainly affect italic styles. Unlike other features this is activated by tagging the span of text as being in the Serbian language, not by turning on an OpenType feature.

Affects: U+0431 U+0433 U+0434 U+043F U+0442

Feature	Sample	Feature setting
Standard	бгдпт	
Serbian	$\delta \bar{\imath} g \bar{u} \bar{u}$	lang='sr'

Greek alternates

Porsonic circumflex

Affects: U+0342 U+1F06 U+1F07 U+1F0E U+1F0F U+1F26 U+1F27 U+1F2E U+1F2F U+1F36 U+1F37 U+1F3E U+1F3F U+1F56 U+1F57 U+1F55 U+1F66 U+1F67 U+1F6E U+1F6F U+1F86 U+1F87 U+1F8E U+1F8F U+1F96 U+1F97 U+1F9E U+1F9F U+1FA6 U+1FA7 U+1FAE U+1FAF U+1FB6 U+1FB7 U+1FC0 U+1FC1 U+1FC6 U+1FC7 U+1FC6 U+1FD7 U+1FD7 U+1FD7 U+1FE6 U+1FF7 U+1FF6 U+1FF7

Feature	Sample	Feature setting
Standard	ૼ ૼ૾ૼ૽ૺૼૺૺૺૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼૼ	cv78=0
Porsonic- style	ၳ ົ ີ ີ ີ ດີ ໔ີ ໕ ໕ ໕ ໕ ໘ ໘ ໘ ໘ ໘ ໘ ໘ ໘ ໘ ໘ ໘ ໘ ໘ ໘ ໘	cv78=1

Capital adscript iota (prosgegrammeni)

Affects: U+1F88 U+1F89 U+1F8A U+1F8B U+1F8C U+1F8D U+1F8E U+1F8F U+1F99 U+1F9A U+1F9B U+1F9C U+1F9D U+1F9E U+1F9F U+1FA8 U+1FA9 U+1FAA U+1FAB U+1FAC U+1FAD U+1FAE U+1FAF U+1FBC U+1FFC U+1FFC

Feature	Sample	Feature setting
Standard	Αι 'Αι 'Αι 'Άι 'Άι 'Άι ΄΄Αι ἶΑι Ήι 'Ηι 'Ηι 'Ήι 'Ήι 'Ήι "Ηι 'Ήι ἶΗι ἷΗι Ωι 'Ωι 'Ωι 'Ώι '΄Ωι '΄Ωι '΄Ωι ΄΄Ωι ἶΩι	cv83=0
Subscript (ypogegrammeni)	Α 'Ą 'Ą ''Ą ''Ą ''Ą ''Ą [°] Ą [°]	cv83=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	\ 1 - /	cv90=0
Chinantec-style	\1- /	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	11411[++1	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	1144J[t++L(/\\\\\))	cv92=0
Hide staves	₋ ₋ (cv92=1

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