

Charis SIL Font Features

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

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 [Charis SIL Webfont Example](#). See [Using SIL Fonts on Web Pages: OpenType and Graphite feature support](#) for more information.

If this document is not displaying correctly a PDF version is also provided.

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	Ń	cv44=0
Lowercase-style	ņ	cv44=1

Open-O Affects: U+0186 U+0254 U+1D10 U+1D53 U+1D97

Feature	Sample	Feature setting
Standard	Ǫ ǫ ǫ̇ ǫ̈	cv46=0
Top serif	Ǫ ǫ ǫ̇ ǫ̈	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	ḽ	cv49=0
Right hook	ḽ̣	cv49=1

R tail Affects: U+2C64

Feature	Sample	Feature setting
Standard	Ŕ	cv55=0
Lowercase-style	ŗ	cv55=1

T hook Affects: U+01AC

Feature	Sample	Feature setting
Standard	Ŧ	cv57=0
Right hook	Ŧ̣	cv57=1

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

Feature	Sample	Feature setting
Standard	Ʋ Ƴ ƴ	cv62=0
Straight with low hook	Ʋ Ƴ ƴ	cv62=1
Straight with high hook	Ʋ Ƴ ƴ	cv62=2

Y hook Affects: U+01B3

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

Ezh Affects: U+01B7 U+04E0

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

ezh curl Affects: U+0293

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

rams horn Affects: U+0264

Feature	Sample	Feature setting
Standard	ʁ	cv25=0
Large bowl	ʁ	cv25=1
Small gamma	ʁ	cv25=2

Diacritic and symbol alternates

Vietnamese-style diacritics Affects: U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EAA U+1EAB U+1EAE U+1EAF U+1EB0 U+1EB1 U+1EB2 U+1EB3 U+1EB4 U+1EB5 U+1EBE U+1EBF U+1EC0 U+1EC1 U+1EC2 U+1EC3 U+1EC4 U+1EC5 U+1ED0 U+1ED1 U+1ED2 U+1ED3 U+1ED4 U+1ED5 U+1ED6 U+1ED7

Feature	Sample	Feature setting
Standard	Á Á À Á ã Á Á À Á ã É È Ê Ë Ó Ò Ô Õ	cv75=0
Vietnamese-style	Á Á À Á ã Á Á À Á ã É È Ê Ë Ó Ó Ò Ô Õ	cv75=1

Kayan diacritics Affects: U+0300 U+0301

Feature	Sample	Feature setting
Standard	◌̣	cv79=0
Side by side	◌̣̣	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 ̣ (Ạa Ẹe Ị̇ı Ụu Q̣q Ọ̄ō)	cv76=0
Straight	anything with ̣ (Ạa Ẹe Ị̇ı Ụu Q̣q Ọ̄ō)	cv76=1

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

Feature	Sample	Feature setting
Standard	ď Ľ ĩ ǣ	cv77=0
Global-style	ǵ Ĺ Ĳ ǿ	cv77=1

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

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

Feature	Sample	Feature setting
Uppercase-style	h	cv81=1

Cyrillic breve Affects: U+0306

Feature	Sample	Feature setting
Standard	anything with ъ (ѡѡ)	cv82=0
Cyrillic-style	anything with ъ (ѡѡ)	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 Serbian	$\bar{o} \text{ } \bar{z} \text{ } \bar{\delta} \text{ } n \text{ } m$ $\bar{\delta} \text{ } \bar{i} \text{ } \bar{g} \text{ } \bar{u} \text{ } \bar{u}$	lang='sr'

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 Numbers	$\begin{matrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 5 & 4 & 3 & 2 & 1 & 5 & 4 & 3 & 2 & 1 \end{matrix}$	cv91=0 cv91=1