Charis SII 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 Small caps | a z (all letters with capital equivalents) A z (all letters with capital equivalents) | smcp=0 smcp=1 |

Small caps from capitals Affects: all capitals

| Feature | Sample | Feature setting |
|------------------------|---------------------------------------|-----------------|
| Standard Small caps | A Z (all capitals) A z (all capitals) | |

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 | aàáâãäåāäąǎääååàâàaaåáâââââáàå | ss01=0 |
| Single-story | a a a a a a a a a a a a a a a a a a a | 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 ā ă ą ǎ ā̄ ā̄ ấ̂ ầ â à a a ả a ả ấ â ấ â ấ ấ ấ ấ ấ ấ ấ ấ ấ ấ ấ ấ ấ ấ ấ | ss11=0 |
| Single-story | a à á â ã ä å ā ă ą ǎ ǟ ā å â â a a a a á â à â â â á à ἄ ẵ ặ ø a a a | 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 Single-story | 8 | ss12=0 ss12=1 |

Barred-bowl forms Affects: U+0111 U+0180 U+01E5

| Feature | Sample | Feature setting | |
|-------------|--------|-----------------|--|
| Standard | đђg | ss04=0 | |
| Barred-bowl | đђg | 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 | aãàáâäåāăăāååââaaaåáâââãááàååã ạặaɒæffiìíîîïīĭiĭiïîiíilí!lllllllllllt.vvyz źżžæzeę Fefiffi | ss05=0 |
| Slanted | aãàáâäåāăăääååââaaååââåããááàååã ặạɐæffiìíîïĩĭĭ¡ĭìîjïi;ılĺḷḷḷtːvvvvzź żžżzzғӻӺӻfiffi | 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 T | cv17=0 cv17=1 | |
| Lowercase-style | <u>a</u> | 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 | f | cv37=1 |

Eng Affects: U+014A

| Feature Sample Feature setting Standard N cv43=0 | | | |
|---|---|--------|------------------|
| Standard N cv43=0 | Feature | Sample | Feature setting |
| Lowercase style on baseline \mathfrak{D} cv43=1 Uppercase style with descender \mathfrak{N} cv43=2 Alt. lowercase style on baseline \mathfrak{D} cv43=3 | Lowercase style on baseline Uppercase style with descender | n Ŋ | cv43=1 cv43=2 |

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 |
|---------|------------------------|-----------------|
| | 3 2 2 2 5 2 2 2 2 5 | |

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

| Feature | Sample | Feature setting |
|------------------|------------------|------------------|
| Standard Open | 888 ⁸ | cv47=0 cv47=1 |

p hook Affects: U+01A5

| Feature | Sample | Feature setting |
|------------|--------|-----------------|
| Standard | β | cv49=0 |
| Right hook | p | cv49=1 |

R tail Affects: U+2C64

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

Thook Affects: U+01AC

| Feature | Sample | Feature setting |
|------------|--------|-----------------|
| Standard | T | cv57=0 |
| Right hook | T | cv57=1 |

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

| Feature | Sample | Feature setting |
|-------------------------|------------------|-----------------|
| Standard | U υ ^υ | cv62=0 |
| Straight with low hook | V ν ^ν | cv62=1 |
| Straight with high hook | V ν ^ν | cv62=2 |

Y hook Affects: U+01B3

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

Ezh Affects: U+01B7 U+04E0

| Feature | Sample | Feature setting |
|----------------|--------|-----------------|
| Standard | 33 | cv20=0 |
| Reversed sigma | 33 | 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

| Sample | Feature setting |
|--------|----------------------------|
| γ σ | cv25=0 cv25=1 cv25=2 |
| | γ |

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 Vietnamese-style | Âấ Àà Ẩả Ãã Ấá Àà Åà Ẩả Éế Èề Éể Éễ Óố Òò ổổ ÕổÃã Àà Ẩả Ãã Ấá Àà Åà Ẩả Éế Èề Éể Éễ Óố Òò ổổ Õổ | |

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 Straight | anything with \circ (Aa Ee Ii Ųų Qo $\bar{Q}\bar{Q}$) anything with \circ (Aa Ee Ii Ųų Qo $\bar{Q}\bar{Q}$) | |

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 | , | cv70=0 |
| Large | , | cv70=1 |

Modifier colon Affects: U+A789

| Sample | Feature setting |
|--------|------------------|
| : | cv71=0 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 |

| Feature | Sample | Feature setting |
|-----------------|--------|-----------------|
| Uppercase-style | h | cv81=1 |

Cyrillic breve Affects: U+0306

| Feature | Sample | Feature setting |
|----------------------------|--|-----------------|
| Standard Cyrillic-style | anything with ੱ (ðə) anything with č (ðə) | |

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 | бгдпт δigūū | 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 | 7 | cv91=0 cv91=1 |