

# Charis - Character Set Support

This font supports over 2,400 characters from [The Unicode Standard](#) as well as a number of [Private Use Area \(PUA\)](#) characters. In total, over 3,800 glyphs are included, supporting stylistic alternates for a number of characters as well as a large number of ligated sequences (e.g., contour tone letters used in phonetic transcription of tonal languages).

# Supported characters

The following character ranges are supported by this font:

|   |  |
|---|--|
| C0 Controls and Basic Latin*            | U+0020..U+007E   |
| C1 Controls and Latin-1 Supplement*     | U+00A0..U+00FF   |
| Latin Extended-A                        | U+0100..U+0148, U+014A..U+017F   |
| Latin Extended-B*                       | U+0180..U+024F   |
| IPA Extensions*                         | U+0250..U+02AF   |
| Spacing Modifier Letters*               | U+02B0..U+02FF   |
| Combining Diacritical Marks             | U+0300..U+033F, U+0346..U+036F   |
| Greek and Coptic                        | U+0387, U+0393..U+0394, U+0398, U+039E, U+03A0, U+03A8..U+03A9, U+03B1..U+03B4, U+03B8, U+03BB..U+03BC, U+03C0..U+03C1, U+03C3, U+03C6..U+03C7, U+03C9, U+03D1, U+03F4   |
| Cyrillic                                | U+0400..U+045F, U+0462..U+0463, U+0472..U+0475, U+048A..U+04FF   |
| Cyrillic Supplement*                    | U+0500..U+052F   |
| Combining Diacritical Marks Extended    | U+1AB0..U+1ABA, U+1ABF..U+1AC0, U+1AC6..U+1ACE   |
| Phonetic Extensions*                    | U+1D00..U+1D7F   |
| Phonetic Extensions Supplement*         | U+1D80..U+1DBF   |
| Combining Diacritical Marks Supplement  | U+1DC2, U+1DC4..U+1DCD, U+1DDA, U+1DDC, U+1DF5, U+1DFC..U+1DFF   |
| Latin Extended Additional*              | U+1E00..U+1EFF   |
| General Punctuation                     | U+2000..U+2042, U+2044, U+204A, U+2053, U+2057, U+2060..U+2063, U+206A..U+206F   |
| Superscripts and Subscripts*            | U+2070..U+2071, U+2074..U+208E, U+2090..U+209C   |
| Currency Symbols*                       | U+20A0..U+20C0   |
| Combining Diacritical Marks for Symbols | U+20E5, U+20EC..U+20EF   |
| Letterlike Symbols                      | U+210C, U+2113, U+2116..U+2117, U+211F, U+2122..U+2123, U+2126, U+212D, U+2135, U+214F   |
| Number Forms*                           | U+2150..U+218B   |
| Arrows                                  | U+2190..U+219B, U+21A8, U+21B6..U+21B7, U+21BA..U+21BB, U+21D0..U+21D5   |
| Mathematical Operators                  | U+2202..U+2206, U+220F, U+2211..U+2213, U+2215, U+2219..U+221A, U+221E, U+2221, U+2225..U+2228, U+222B, U+2234..U+2235, U+223C, U+2248, U+225F, U+2260..U+2262, U+2264..U+2265, U+226E..U+226F, U+U+2282..U+2287 |
| Miscellaneous Technical                 | U+2308..U+230B, U+2318, U+231C..U+231F, U+2329..U+232A, U+239B..U+23AD   |
| Control Pictures                        | U+2423   |
| Geometric Shapes                        | U+25C9, U+25CA..U+25CC   |
| Miscellaneous Symbols                   | U+2610..U+2612, U+2639..U+263A, U+2640, U+2642, U+266D, U+266F   |
| Dingbats                                | U+2713, U+2717, U+274D   |

| Unicode block                             | Charis support  |
|---|---|
| Misc. Math. Symbols-A                     | U+27C2, U+27E6..U+27E9  |
| Misc. Math. Symbols-B                     | U+2980  |
| Supplemental Math. Operators              | U+2AFD  |
| Latin Extended-C*                         | U+2C60..U+2C7F  |
| Coptic                                    | U+2C88  |
| Supplemental Punctuation                  | U+2E00..U+2E0D, U+2E13, U+2E14, U+2E17, U+2E22..U+2E25, U+2E3A..U+2E3B, U+2E3E                    |
| Modifier Tone Letters*                    | U+A700..U+A71F  |
| Latin Extended-D                          | U+A720..U+A799, U+A7A0..U+A7AF, U+A7B0..U+A7BF, U+A7C4..U+A7CA, U+A7F2..U+A7F4, U+A7F7..U+A7FF    |
| Kayah Li                                  | U+A92E  |
| Latin Extended-E                          | U+AB30, U+AB53, U+AB5C, U+AB5E, U+AB64..U+AB6B  |
| PUA: Specials                             | U+F130..U+F133  |
| PUA: Modifier letters (e.g. superscripts) | U+F1A1, U+F1A3..U+F1A4, U+F1AB, U+F1AE, U+F1B4..U+F1B5, U+F1BC, U+F1CD..U+F1CE, U+F1F1..U+F1F9    |
| PUA: Latin                                | U+F20D, U+F234..U+F235, U+F258..U+F259, U+F267..U+F269, U+F26C..U+F26D                            |
| PUA: Cyrillic                             | U+F326..U+F327  |
| Alphabetic Presentation Forms             | U+FB00..U+FB04  |
| Variation Selectors*                      | U+FE00..U+FE0F  |
| Combining Half Marks                      | U+FE20..U+FE23  |
| Arabic Presentation Forms-B               | U+FEFF (zero-width no-break space)  |
| Specials*                                 | U+FFF9..U+FFFD  |
| Latin Extended-F*                         | U+10780..U+10785, U+10787..U+107B0, U+107B2..U+107BA  |
| Mathematical Alphanumeric Symbols         | U+1D40C, U+1D504..U+1D505, U+1D50A, U+1D50E..U+1D510, U+1D513..U+1D514, U+1D516..U+1D517, U+1D519 |
| Latin Extended-G*                         | U+1DF00..U+1DF1E, U+1DF25..U+1DF2A  |
| Cyrillic Extended-D                       | U+1E030..U+1E049, U+1E04B..U+1E06B, U+1E06D, U+1E06F  |
| Enclosed Alphanumeric Supplement          | U+1F12F   |
| Emoticons                                 | U+1F610   |

\*This block is fully supported as of Unicode 15.0.

## Private-use (PUA) characters

There are a number of private-use characters that are supported in this font. These conform to [SIL Global's corporate registry](#) for usage of the Unicode private-use areas. Characters which are not yet in Unicode are shown below.

## Specials

- U+F130 FONT BASELINE AND SIDE-BEARING MARKER LEFT
- U+F131 FONT BASELINE AND SIDE-BEARING MARKER RIGHT
- U+F132 FONT VERTICAL METRICS MARKER LEFT
- U+F133 FONT VERTICAL METRICS MARKER RIGHT

## Modifier Letters

- U+F1CD MODIFIER LETTER SMALL CAPITAL U BAR

## Latin

- U+F20D LATIN CAPITAL LETTER D WITH STROKE AND HOOK
- U+F258 LATIN LETTER SMALL CAPITAL I OVER SMALL SCHWA
- U+F259 LATIN LETTER SMALL UPSILON OVER SMALL SCHWA
- U+F26D LATIN SMALL LETTER B WITH LEFT HOOK
- U+F26E LATIN CAPITAL LETTER RAMS HORN

## Cyrillic

- U+F326 CYRILLIC CAPITAL LETTER GHE WITH STROKE AND DESCENDER
- U+F327 CYRILLIC SMALL LETTER GHE WITH STROKE AND DESCENDER

## Deprecated SIL Corporate PUA characters

Some characters formerly in the PUA have been added to Unicode, and so have been deprecated in our fonts. Those PUA characters are displayed as black boxes containing a white image of the deprecated glyph.

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