

Fira Sans Eight Italic

Carrois' Technical Documentation

| A-z | | | | € | Lat | Łłŧ | Ext | Ελ | Κιρ |
|-----|-----|-----|-----|-------------------------------|-----|----------------|-----------------|-----------|-----|
| | | | | 2 ₂ 2 ² | | b·B | B·B | <i>ia</i> | |
| | | | | | | fi | | st | |
| 619 | 123 | 123 | 123 | 0 | 7/ | /8 | 7/8 | | |
| | | | | x ² | | x ₂ | 1 st | | |
| | | | | (G} | | Œ·Œ | g·g | | |
| | | | | | | [1] | [2] | | |
| | | | | | | Σ·Σ | | | |
| | | | | N↗E | T↗o | ◌̈ | ◌̈ | | |

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Table of Content

| | |
|--|----|
| Encoded Characters | 5 |
| Basic Latin | 5 |
| Latin-1 Supplement | 5 |
| Latin Extended-A | 6 |
| Latin Extended-B | 6 |
| IPA Extensions | 7 |
| Spacing Modifier Letters | 8 |
| Combining Diacritical Marks | 8 |
| Greek and Coptic | 8 |
| Cyrillic | 9 |
| Cyrillic Supplement | 9 |
| Phonetic Extensions | 10 |
| Phonetic Extensions Supplement | 10 |
| Combining Diacritical Marks Supplement | 10 |
| Latin Extended Additional | 10 |
| Greek Extended | 11 |
| General Punctuation | 11 |
| Superscripts and Subscripts | 11 |
| Currency Symbols | 11 |
| Letterlike Symbols | 12 |
| Number Forms | 12 |
| Arrows | 12 |
| Mathematical Operators | 12 |
| Miscellaneous Technical | 12 |
| Geometric Shapes | 12 |
| Dingbats | 13 |
| Miscellaneous Symbols and Arrows | 13 |
| Latin Extended-C | 13 |
| Latin Extended-D | 13 |
| unassigned Block | 13 |
| Private Use Area | 13 |
| Alphabetic Presentation Forms | 14 |
| Arabic Presentation Forms-B | 14 |
| Unencoded Glyphs | 15 |
| Small Capitals From Capitals | 15 |
| Small Capitals From Capitals, Small Capitals | 15 |
| Case-Sensitive Forms | 17 |
| Discretionary Ligatures | 17 |
| Denominators | 17 |
| Denominators, Fractions | 17 |
| Fractions, Numerators | 17 |
| Localized Forms | 17 |
| Numerators | 18 |
| Old Style Figures, Proportional Figures | 18 |
| Old Style Figures, Tabular Figures | 18 |
| Stylistic Alternates, Stylistic Set 1 | 18 |
| Small Capitals | 18 |
| Stylistic Set 2 | 19 |
| Tabular Figures | 19 |
| Slashed Zero | 19 |
| Other | 19 |
| OpenType Layout Features | 20 |
| Substitution Features | 20 |
| Positioning Features | 22 |

| | |
|------------|----|
| Codepages | 23 |
| MacOS | 23 |
| MS Windows | 23 |
| ISO | 23 |
| Languages | 24 |
| Latin | 24 |
| Cyrillic | 24 |
| Greek | 25 |

Encoded Characters

All encoded characters should be accessible with every unicode capable application.
For details about Unicode Blocks visit the [Unicode Website](#).

Basic Latin

Block from 0000 to 007F

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 000D | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 002A | 002B | 002C | 002D | 002E |
| | | . | " | # | \$ | % | & | ' | (|) | * | + | , | | . |
| 002F | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 003A | 003B | 003C | 003D | 003E |
| / | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | : | ; | < | = | > |
| 003F | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 004A | 004B | 004C | 004D | 004E |
| ? | @ | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
| 004F | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 005A | 005B | 005C | 005D | 005E |
| O | P | Q | R | S | T | U | V | W | X | Y | Z | [| \ |] | ^ |
| 005F | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 006A | 006B | 006C | 006D | 006E |
| _ | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n |
| 006F | 0070 | 0071 | 0072 | 0073 | 0074 | 0075 | 0076 | 0077 | 0078 | 0079 | 007A | 007B | 007C | 007D | 007E |
| o | p | q | r | s | t | u | v | w | x | y | z | { | | } | ~ |

Latin-1 Supplement

Block from 0080 to 00FF

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 00A0 | 00A1 | 00A2 | 00A3 | 00A4 | 00A5 | 00A6 | 00A7 | 00A8 | 00A9 | 00AA | 00AB | 00AC | 00AD | 00AE | 00AF |
| | ı | Ç | Ł | α | ¥ | ı | § | ¨ | © | ä | « | , | | ® | |
| 00B0 | 00B1 | 00B2 | 00B3 | 00B4 | 00B5 | 00B6 | 00B7 | 00B8 | 00B9 | 00BA | 00BB | 00BC | 00BD | 00BE | 00BF |
| ° | ± | ² | ³ | ´ | μ | ¶ | · | ¸ | ¹ | º | » | ¼ | ½ | ¾ | ¿ |
| 00C0 | 00C1 | 00C2 | 00C3 | 00C4 | 00C5 | 00C6 | 00C7 | 00C8 | 00C9 | 00CA | 00CB | 00CC | 00CD | 00CE | 00CF |
| À | Á | Â | Ã | Ä | Å | Æ | Ç | È | É | Ê | Ë | Ì | Í | Î | Ï |
| 00D0 | 00D1 | 00D2 | 00D3 | 00D4 | 00D5 | 00D6 | 00D7 | 00D8 | 00D9 | 00DA | 00DB | 00DC | 00DD | 00DE | 00DF |
| Ð | Ñ | Ò | Ó | Ô | Õ | Ö | × | Ø | Ù | Ú | Û | Ü | Ý | Þ | ß |
| 00E0 | 00E1 | 00E2 | 00E3 | 00E4 | 00E5 | 00E6 | 00E7 | 00E8 | 00E9 | 00EA | 00EB | 00EC | 00ED | 00EE | 00EF |
| à | á | â | ã | ä | å | æ | ç | è | é | ê | ë | ì | í | î | ï |
| 00F0 | 00F1 | 00F2 | 00F3 | 00F4 | 00F5 | 00F6 | 00F7 | 00F8 | 00F9 | 00FA | 00FB | 00FC | 00FD | 00FE | 00FF |
| ð | ñ | ò | ó | ô | õ | ö | ÷ | ø | ù | ú | û | ü | ý | þ | ÿ |

Latin Extended-A

Block from 0100 to 017F

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0100 | 0101 | 0102 | 0103 | 0104 | 0105 | 0106 | 0107 | 0108 | 0109 | 010A | 010B | 010C | 010D | 010E | 010F |
| Ā | ā | Ȧ | ȧ | Ł | ł | Ć | ć | Ĉ | ĉ | Č | č | Č | č | Ď | ď |
| 0110 | 0111 | 0112 | 0113 | 0114 | 0115 | 0116 | 0117 | 0118 | 0119 | 011A | 011B | 011C | 011D | 011E | 011F |
| Đ | đ | Ē | ē | Ê | ê | Ë | ë | Ę | ę | Ě | ě | Ĝ | ĝ | Ġ | ġ |
| 0120 | 0121 | 0122 | 0123 | 0124 | 0125 | 0126 | 0127 | 0128 | 0129 | 012A | 012B | 012C | 012D | 012E | 012F |
| Ģ | ģ | Ģ | ģ | Î | î | Ĳ | ĳ | Ĳ | ĳ | Ī | ī | Ĳ | ĳ | Ĳ | ĳ |
| 0130 | 0131 | 0132 | 0133 | 0134 | 0135 | 0136 | 0137 | 0138 | 0139 | 013A | 013B | 013C | 013D | 013E | 013F |
| Ĳ | ĳ | Ĳ | ĳ | Ĳ | ĳ | Ĳ | ĳ | Ĳ | ĳ | Ĳ | ĳ | Ĳ | ĳ | Ĳ | ĳ |
| 0140 | 0141 | 0142 | 0143 | 0144 | 0145 | 0146 | 0147 | 0148 | 0149 | 014A | 014B | 014C | 014D | 014E | 014F |
| Ł | ł | Ł | ł | Ń | ń | Ń | ń | Ń | ń | Ń | ń | Ń | ń | Ń | ń |
| 0150 | 0151 | 0152 | 0153 | 0154 | 0155 | 0156 | 0157 | 0158 | 0159 | 015A | 015B | 015C | 015D | 015E | 015F |
| Ō | ō | Œ | œ | Ŕ | ŕ | Ŗ | ŗ | Ř | ř | Ś | ś | Ŝ | ŝ | Ş | ş |
| 0160 | 0161 | 0162 | 0163 | 0164 | 0165 | 0166 | 0167 | 0168 | 0169 | 016A | 016B | 016C | 016D | 016E | 016F |
| Š | š | Ţ | ţ | Ť | ť | Ŧ | ŧ | U | u | Ū | ū | U | u | Ŭ | ŭ |
| 0170 | 0171 | 0172 | 0173 | 0174 | 0175 | 0176 | 0177 | 0178 | 0179 | 017A | 017B | 017C | 017D | 017E | 017F |
| Ū | ū | Ŭ | ŭ | Ŵ | ŵ | Ŷ | ŷ | Ÿ | Ž | ž | Ž | ž | Ž | ž | ƒ |

Latin Extended-B

Block from 0180 to 024F

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0180 | 0181 | 0182 | 0183 | 0184 | 0185 | 0186 | 0187 | 0188 | 0189 | 018A | 018B | 018C | 018D | 018E | 018F |
| Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ |
| 0190 | 0191 | 0192 | 0193 | 0194 | 0195 | 0196 | 0197 | 0198 | 0199 | 019A | 019B | 019C | 019D | 019E | 019F |
| Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ | Ĥ | ĥ |
| 01A0 | 01A1 | 01A2 | 01A3 | 01A4 | 01A5 | 01A6 | 01A7 | 01A8 | 01A9 | 01AA | 01AB | 01AC | 01AD | 01AE | 01AF |
| Ō | ō | Ō | ō | Ō | ō | Ō | ō | Ō | ō | Ō | ō | Ō | ō | Ō | ō |
| 01B0 | 01B1 | 01B2 | 01B3 | 01B4 | 01B5 | 01B6 | 01B7 | 01B8 | 01B9 | 01BA | 01BB | 01BC | 01BD | 01BE | 01BF |
| Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū |
| 01C0 | 01C1 | 01C2 | 01C3 | 01C4 | 01C5 | 01C6 | 01C7 | 01C8 | 01C9 | 01CA | 01CB | 01CC | 01CD | 01CE | 01CF |
| Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū |
| 01D0 | 01D1 | 01D2 | 01D3 | 01D4 | 01D5 | 01D6 | 01D7 | 01D8 | 01D9 | 01DA | 01DB | 01DC | 01DD | 01DE | 01DF |
| Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū | Ū | ū |

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 01E0 | 01E1 | 01E2 | 01E3 | 01E4 | 01E5 | 01E6 | 01E7 | 01E8 | 01E9 | 01EA | 01EB | 01EC | 01ED | 01EE | 01EF |
| À | Ā | Ē | æ | Ġ | ġ | Ğ | ğ | Ķ | ķ | Œ | œ | Ȫ | ȫ | Ž | ž |
| 01F0 | 01F1 | 01F2 | 01F3 | 01F4 | 01F5 | 01F6 | 01F7 | 01F8 | 01F9 | 01FA | 01FB | 01FC | 01FD | 01FE | 01FF |
| Ĵ | DZ | Dz | dz | Ĝ | ĝ | IU | P | Ñ | ñ | Ł | ł | Ĳ | æ | Ø | ø |
| 0200 | 0201 | 0202 | 0203 | 0204 | 0205 | 0206 | 0207 | 0208 | 0209 | 020A | 020B | 020C | 020D | 020E | 020F |
| Ļ | ā | Ĥ | â | Ė | ė | Ê | ê | İ | ı | Î | î | Ö | ö | Ô | ô |
| 0210 | 0211 | 0212 | 0213 | 0214 | 0215 | 0216 | 0217 | 0218 | 0219 | 021A | 021B | 021C | 021D | 021E | 021F |
| Ř | ř | Ŕ | ŕ | Ü | ü | Û | û | Ş | ş | Ț | ț | Ȝ | ȝ | İl | h |
| 0220 | 0221 | 0222 | 0223 | 0224 | 0225 | 0226 | 0227 | 0228 | 0229 | 022A | 022B | 022C | 022D | 022E | 022F |
| ŋ | ɔ | ʘ | ʙ | Ƶ | ƶ | Ł | ł | Ǝ | ɛ | Ö | ō | Ō | ō | Ó | ó |
| 0230 | 0231 | 0232 | 0233 | 0234 | 0235 | 0236 | 0237 | 0238 | 0239 | 023A | 023B | 023C | 023D | 023E | 023F |
| Ō | ō | Ȳ | y | ɓ | ɐ | ɓ | ɔ | ɔ | ɔ | ℳ | ℥ | ℥ | ℥ | ℥ | ℥ |
| 0240 | 0241 | 0242 | 0243 | 0244 | 0245 | 0246 | 0247 | 0248 | 0249 | 024A | 024B | 024C | 024D | 024E | 024F |
| Ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ | ƶ |

IPA Extensions

Block from 0250 to 02AF

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0250 | 0251 | 0252 | 0253 | 0254 | 0255 | 0256 | 0257 | 0258 | 0259 | 025A | 025B | 025C | 025D | 025E | 025F |
| ɐ | ɑ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ |
| 0260 | 0261 | 0262 | 0263 | 0264 | 0265 | 0266 | 0267 | 0268 | 0269 | 026A | 026B | 026C | 026D | 026E | 026F |
| ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ |
| 0270 | 0271 | 0272 | 0273 | 0274 | 0275 | 0276 | 0277 | 0278 | 0279 | 027A | 027B | 027C | 027D | 027E | 027F |
| ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ |
| 0280 | 0281 | 0282 | 0283 | 0284 | 0285 | 0286 | 0287 | 0288 | 0289 | 028A | 028B | 028C | 028D | 028E | 028F |
| ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ |
| 0290 | 0291 | 0292 | 0293 | 0294 | 0295 | 0296 | 0297 | 0298 | 0299 | 029A | 029B | 029C | 029D | 029E | 029F |
| ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ |
| 02A0 | 02A1 | 02A2 | 02A3 | 02A4 | 02A5 | 02A6 | 02A7 | 02A8 | 02A9 | 02AA | 02AB | 02AC | 02AD | 02AE | 02AF |
| ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ | ɔ |

Spacing Modifier Letters

Block from 02B0 to 02FF

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 02B0 | 02B1 | 02B2 | 02B4 | 02B7 | 02B8 | 02BB | 02BC | 02BF | 02C0 | 02C6 | 02C7 | 02C8 | 02CA | 02CB | 02CC |
| h | h̃ | j | j̃ | w | y | ‘ | ’ | € | ? | ˆ | ˘ | ı | ˊ | ˋ | |
| 02CE | 02CF | 02D0 | 02D1 | 02D4 | 02D6 | 02D7 | 02D8 | 02D9 | 02DA | 02DB | 02DC | 02DD | 02DE | 02E0 | 02E1 |
| ˘ | ˙ | ˚ | ˛ | ± | + | — | | ˙ | º | | ˘ | “ | ˆ | ˘ | ı |
| 02E2 | 02E3 | 02E4 | 02E5 | 02E6 | 02E7 | 02E8 | 02E9 | 02EE | | | | | | | |
| ˘ | ˙ | ˚ | ˛ | ± | + | — | ı | ” | | | | | | | |

Combining Diacritical Marks

Block from 0300 to 036F

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0300 | 0301 | 0302 | 0303 | 0304 | 0306 | 0307 | 0308 | 0309 | 030A | 030B | 030C | 030D | 030F | 0311 | 0313 |
| ˘ | ˙ | ˚ | | | ˙ | ˚ | ˛ | ? | º | “ | ˘ | ı | ˆ | ˘ | ı |
| 0314 | 0316 | 0317 | 0318 | 0319 | 031A | 031B | 031C | 031D | 031E | 031F | 0320 | 0321 | 0323 | 0324 | 0325 |
| ı | | | | | ˛ | ˛ | | | | | | | | | |
| 0326 | 0327 | 0328 | 0329 | 032A | 032B | 032C | 032D | 032F | 0330 | 0331 | 0332 | 0334 | 0339 | 033A | 033B |
| | ˘ | ˙ | ı | ı | | | ˘ | ± | ˆ | + | — | ˘ | ˙ | ˚ | º |
| 033C | 033D | 035C | 0361 | | | | ˘ | ˆ | ˘ | | | ˘ | | ˛ | ˛ |
| ˘ | ˙ | ˚ | ˛ | | | | ˘ | ˆ | ˘ | | | ˘ | | ˛ | ˛ |

Greek and Coptic

Block from 0370 to 03FF

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0384 | 0385 | 0386 | 0388 | 0389 | 038A | 038C | 038E | 038F | 0390 | 0391 | 0392 | 0393 | 0394 | 0395 | 0396 |
| ‘ | ’ | Λ | Ε | Η | Ι | Ο | Υ | Ω | ΐ | Λ | Β | Γ | Δ | Ε | Ζ |
| 0397 | 0398 | 0399 | 039A | 039B | 039C | 039D | 039E | 039F | 03A0 | 03A1 | 03A3 | 03A4 | 03A5 | 03A6 | 03A7 |
| Η | Θ | Ι | Κ | Λ | Μ | Ν | Ξ | Ο | Π | Ρ | Σ | Τ | Υ | Φ | Χ |
| 03A8 | 03A9 | 03AA | 03AB | 03AC | 03AD | 03AE | 03AF | 03B0 | 03B1 | 03B2 | 03B3 | 03B4 | 03B5 | 03B6 | 03B7 |
| Ψ | Ω | ΐ | ΰ | ά | έ | ή | ί | ύ | α | β | γ | δ | ε | ζ | η |
| 03B8 | 03B9 | 03BA | 03BB | 03BC | 03BD | 03BE | 03BF | 03C0 | 03C1 | 03C2 | 03C3 | 03C4 | 03C5 | 03C6 | 03C7 |
| θ | ι | κ | λ | μ | ν | ξ | ο | π | ρ | ς | σ | τ | υ | φ | χ |
| 03C8 | 03C9 | 03CA | 03CB | 03CC | 03CD | 03CE | | | | | | | | | |
| ψ | ω | ϊ | ϋ | ό | ύ | ώ | | | | | | | | | |

Cyrillic

Block from 0400 to 04FF

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0400 | 0401 | 0402 | 0403 | 0404 | 0405 | 0406 | 0407 | 0408 | 0409 | 040A | 040B | 040C | 040D | 040E | 040F |
| È | Ē | Ħ | Ĝ | € | Š | Ł | İ | Ј | Љ | Ї | Ћ | Ќ | Й | У | Ц |
| 0410 | 0411 | 0412 | 0413 | 0414 | 0415 | 0416 | 0417 | 0418 | 0419 | 041A | 041B | 041C | 041D | 041E | 041F |
| Л | Б | В | Г | Д | Е | Ж | З | И | Й | К | Л | М | Н | О | П |
| 0420 | 0421 | 0422 | 0423 | 0424 | 0425 | 0426 | 0427 | 0428 | 0429 | 042A | 042B | 042C | 042D | 042E | 042F |
| Р | С | Т | У | Ф | Х | Ц | Ч | Ш | Щ | Ъ | Ы | Ь | Э | Ю | Я |
| 0430 | 0431 | 0432 | 0433 | 0434 | 0435 | 0436 | 0437 | 0438 | 0439 | 043A | 043B | 043C | 043D | 043E | 043F |
| а | б | в | г | д | е | ж | з | и | й | к | л | м | н | о | п |
| 0440 | 0441 | 0442 | 0443 | 0444 | 0445 | 0446 | 0447 | 0448 | 0449 | 044A | 044B | 044C | 044D | 044E | 044F |
| р | с | т | у | ф | х | ц | ч | ш | щ | ъ | ы | ь | э | ю | я |
| 0450 | 0451 | 0452 | 0453 | 0454 | 0455 | 0456 | 0457 | 0458 | 0459 | 045A | 045B | 045C | 045D | 045E | 045F |
| è | ē | ĥ | ĝ | € | š | Ł | İ | Ј | Љ | Ї | Ћ | Ќ | Й | У | Ц |
| 0462 | 0463 | 0472 | 0473 | 0474 | 0475 | 0490 | 0491 | 0492 | 0493 | 0496 | 0497 | 0498 | 0499 | 049A | 049B |
| Ђ | Ѓ | О | Ө | V | v | Г | Г | Ƒ | Ƒ | Ж | Ж | З | З | Қ | Қ |
| 049C | 049D | 04A0 | 04A1 | 04A2 | 04A3 | 04AA | 04AB | 04AC | 04AD | 04AE | 04AF | 04B0 | 04B1 | 04B2 | 04B3 |
| К | к | К | к | Ц | ц | Ѕ | Ѕ | Т | т | У | у | У | у | Х | х |
| 04B6 | 04B7 | 04B8 | 04B9 | 04BA | 04BB | 04C0 | 04C1 | 04C2 | 04CB | 04CC | 04CF | 04D0 | 04D1 | 04D2 | 04D3 |
| Ч | ч | Ч | ч | h | h | l | Ж | ж | Ч | ч | l | Л | а | Ӓ | Ӓ |
| 04D4 | 04D5 | 04D6 | 04D7 | 04D8 | 04D9 | 04DA | 04DB | 04DC | 04DD | 04DE | 04DF | 04E2 | 04E3 | 04E4 | 04E5 |
| Æ | æ | Ē | e | Ə | ə | Ė | ė | Ж | ж | З | з | Й | и | Й | ü |
| 04E6 | 04E7 | 04E8 | 04E9 | 04EA | 04EB | 04EC | 04ED | 04EE | 04EF | 04F0 | 04F1 | 04F2 | 04F3 | 04F4 | 04F5 |
| Ö | ö | О | ө | Ö | ö | Э | э | У | у | У | у | У | у | Ч | ч |
| 04F6 | 04F7 | 04F8 | 04F9 | | | | | | | | | | | | |
| Г | г | Ы | ы | | | | | | | | | | | | |

Cyrillic Supplement

Block from 0500 to 052F

| | | | | | |
|------|------|------|------|------|------|
| 051C | 051D | 0524 | 0525 | 0526 | 0527 |
| W | w | П | п | h | h |

Phonetic Extensions

Block from 1D00 to 1D7F

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 1D4A | 1D6C | 1D6D | 1D6E | 1D6F | 1D70 | 1D71 | 1D72 | 1D73 | 1D74 | 1D75 | 1D76 |
| ə | b̥ | d̥ | f̥ | m̥ | n̥ | p̥ | r̥ | ʃ̥ | s̥ | t̥ | z̥ |

Phonetic Extensions Supplement

Block from 1D80 to 1DBF

| | |
|------|------|
| 1D91 | 1DBF |
| q̥ | θ̥ |

Combining Diacritical Marks Supplement

Block from 1DC0 to 1DFF

| | | | | | |
|------|------|------|------|------|------|
| 1DC4 | 1DC5 | 1DC6 | 1DC7 | 1DC8 | 1DC9 |
| ˘ | ˘ | ˘ | ˘ | ˘ | ˘ |

Latin Extended Additional

Block from 1E00 to 1EFF

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1E04 | 1E05 | 1E0C | 1E0D | 1E0E | 1E0F | 1E12 | 1E13 | 1E24 | 1E25 | 1E2E | 1E2F | 1E36 | 1E37 | 1E3C | 1E3D |
| Ḃ | ḃ | Ḑ | ḑ | Ḓ | ḓ | Ḕ | ḕ | Ḗ | ḗ | Ḙ | ḙ | Ḛ | ḛ | Ḝ | ḝ |
| 1E3E | 1E3F | 1E44 | 1E45 | 1E46 | 1E47 | 1E4A | 1E4B | 1E4C | 1E4D | 1E50 | 1E51 | 1E52 | 1E53 | 1E54 | 1E55 |
| Ḟ | ḟ | Ḡ | ḡ | Ḣ | ḣ | Ḥ | ḥ | Ḧ | ḧ | Ḩ | ḩ | Ḫ | ḫ | Ḭ | ḭ |
| 1E5A | 1E5B | 1E62 | 1E63 | 1E6C | 1E6D | 1E6E | 1E6F | 1E70 | 1E71 | 1E78 | 1E79 | 1E80 | 1E81 | 1E82 | 1E83 |
| Ṛ | ṛ | Ṡ | ṡ | Ṣ | ṣ | Ṥ | ṥ | Ṧ | ṧ | Ṩ | ṩ | Ṫ | ṫ | Ṭ | ṭ |
| 1E84 | 1E85 | 1E92 | 1E93 | 1E9E | 1EA0 | 1EA1 | 1EA2 | 1EA3 | 1EA4 | 1EA5 | 1EA6 | 1EA7 | 1EA8 | 1EA9 | 1EAA |
| Ẁ | ẁ | Ẃ | ẃ | Ẅ | ẅ | Ẇ | ẇ | Ẉ | ẉ | Ẋ | ẋ | Ẍ | ẍ | Ẏ | ẏ |
| 1EAB | 1EAC | 1EAD | 1EAE | 1EAF | 1EB0 | 1EB1 | 1EB2 | 1EB3 | 1EB4 | 1EB5 | 1EB6 | 1EB7 | 1EB8 | 1EB9 | 1EBA |
| â | ă | ȁ | Ȃ | ȃ | Ȅ | ȅ | Ȇ | ȇ | Ȉ | ȉ | Ȋ | ȋ | Ȍ | ȍ | Ȏ |
| 1EBB | 1EBC | 1EBD | 1EBE | 1EBF | 1EC0 | 1EC1 | 1EC2 | 1EC3 | 1EC4 | 1EC5 | 1EC6 | 1EC7 | 1EC8 | 1EC9 | 1ECA |
| ê | ē | ë | Ê | ẽ | È | è | Ě | ě | Ê | ê | Ê | ê | İ | ı | İ |
| 1ECB | 1ECC | 1ECD | 1ECE | 1ECF | 1ED0 | 1ED1 | 1ED2 | 1ED3 | 1ED4 | 1ED5 | 1ED6 | 1ED7 | 1ED8 | 1ED9 | 1EDA |
| ï | ō | ȯ | Ȱ | ȱ | Ȳ | ȳ | ȴ | ȵ | ȶ | ȷ | ȸ | ȹ | Ⱥ | Ȼ | ȼ |
| 1EDB | 1EDC | 1EDD | 1EDE | 1EDF | 1EE0 | 1EE1 | 1EE2 | 1EE3 | 1EE4 | 1EE5 | 1EE6 | 1EE7 | 1EE8 | 1EE9 | 1EEA |
| ő | Ⱥ | Ȼ | ȼ | Ƚ | Ⱦ | ȿ | Ⱥ | Ȼ | ȼ | Ƚ | Ⱦ | ȿ | Ⱥ | Ȼ | ȼ |

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1EEB | 1EEC | 1EED | 1EEE | 1EEF | 1EF0 | 1EF1 | 1EF2 | 1EF3 | 1EF4 | 1EF5 | 1EF6 | 1EF7 | 1EF8 | 1EF9 |
| Û | Ů | Ű | Ų | Ŵ | Ŷ | Ÿ | Ź | Ż | Ų | Ŷ | Ÿ | Ź | Ż | Ų |

Greek Extended

Block from 1F00 to 1FFF

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1F70 | 1F71 | 1F72 | 1F73 | 1F74 | 1F75 | 1F76 | 1F77 | 1F78 | 1F79 | 1F7A | 1F7B | 1F7C | 1F7D | 1FB0 | 1FB1 |
| à | á | â | ã | ä | å | æ | ç | è | é | ê | ë | ì | í | î | ï |
| 1FB6 | 1FB8 | 1FB9 | 1FBA | 1FBB | 1FC0 | 1FC6 | 1FC8 | 1FC9 | 1FCA | 1FCB | 1FD0 | 1FD1 | 1FD2 | 1FD3 | 1FD6 |
| α | Λ | Λ̄ | Λ̂ | Λ̃ | | η | È | É | Ì | Í | Î | Ï | Ì | Í | Î |
| 1FD7 | 1FD8 | 1FD9 | 1FDA | 1FDB | 1FE0 | 1FE1 | 1FE2 | 1FE3 | 1FE6 | 1FE7 | 1FE8 | 1FE9 | 1FEA | 1FEB | 1FF6 |
| ï | ı | ı̄ | ı̂ | ı̃ | υ | υ | ù | ú | û | ü | Υ | Ῡ | Υ̂ | Υ̃ | ω |
| 1FF8 | 1FF9 | 1FFA | 1FFB | | | | | | | | | | | | |
| Ò | Ó | Ô | Õ | | | | | | | | | | | | |

General Punctuation

Block from 2000 to 206F

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2007 | 2008 | 200B | 200C | 200D | 200E | 200F | 2012 | 2013 | 2014 | 2015 | 2016 | 2018 | 2019 | 201A | 201C |
| | | | | ↑ | ↑ | ↓ | | | | | | ' | , | , | " |
| 201D | 201E | 2020 | 2021 | 2022 | 2026 | 2030 | 2039 | 203A | 203F | 2044 | | | | | |
| " | „ | † | ‡ | · | ... | ‰ | < | > | ~ | / | | | | | |

Superscripts and Subscripts

Block from 2070 to 209F

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2070 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 207A | 207B | 207C | 207D | 207E | 207F | 2080 | 2081 | 2082 |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | = | (|) | n | 0 | 1 |
| 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 208A | 208B | 208C | 208D | 208E | | | | |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 | ı | | - | (|) | | | | |

Currency Symbols

Block from 20A0 to 20CF

| | | | |
|------|------|------|------|
| 20AC | 20B9 | 20BA | 20BD |
| € | ₹ | £ | ₤ |

Letterlike Symbols

Block from 2100 to 214F

210A 2116 2122 2126 212E
 g N° $^{\text{TM}}$ Ω e

Number Forms

Block from 2150 to 218F

2153 2154 2155 2156 2157 2158 2159 215A 215B 215C 215D 215E 215F
 $\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{1}{6}$ $\frac{5}{6}$ $\frac{1}{8}$ $\frac{3}{8}$ $\frac{5}{8}$ $\frac{7}{8}$ $\frac{1}{}$

Arrows

Block from 2190 to 21FF

2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 21E6 21E7 21E8 21E9 21EA
 \leftarrow \uparrow \rightarrow \downarrow \longleftrightarrow \frown \nwarrow \nearrow \searrow \swarrow \Longleftarrow \Uparrow \Longrightarrow \Downarrow \Updownarrow

Mathematical Operators

Block from 2200 to 22FF

2202 2205 2206 220F 2211 2212 2215 2219 221A 221E 222B 2248 2260 2264 2265 22C5
 ∂ \emptyset \triangle \parallel \gtrless $-$ $/$ \cdot $\sqrt{}$ ∞ \int \approx \neq \leq \geq \cdot

Miscellaneous Technical

Block from 2300 to 23FF

2326 2327 2328 232B 23CE
 \boxtimes \boxtimes \boxtimes \boxtimes \curvearrowright

Geometric Shapes

Block from 25A0 to 25FF

25AF 25CA
 \square \diamond

Dingbats

Block from 2700 to 27BF

27A1



Miscellaneous Symbols and Arrows

Block from 2B00 to 2BFF

2B05

2B06

2B07



Latin Extended-C

Block from 2C60 to 2C7F

2C64

2C65

2C66

2C6D

2C71

2C72

2C73

Ŕ ø ŧ Œ v W w

Latin Extended-D

Block from A720 to A7FF

A789

A78A

A78B

A78C

A78D

A7AA

A7AD

A7AE

A7B2

A7B3

A7B4

A7B5

A7B6

A7B7

ˆ ˇ ˘ ˙ ˚ ˛ ˜ ˚ I J X β β ω ω

unassigned Block

Block from AB30 to ABBF

AB53

X

Private Use Area

Block from E000 to F8FF

E000

E001

E002

E003



Alphabetic Presentation Forms

Block from FB00 to FB4F

FB01 FB02

fi fl

Arabic Presentation Forms-B

Block from FE70 to FEFF

FEFF

Unencoded Glyphs

All unencoded glyphs are accessible with OpenType layout feature capable applications.
For a complete list of supported OpenType layout features see the next section.

Small Capitals From Capitals

À Á Â Ã Ä Å Æ Ç È É

Small Capitals From Capitals, Small Capitals

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã ä å æ ç è é ê ë ì í î ï ñ ò ó ô õ ö ÷ ø ù ú û ü ý þ ß

Case-Sensitive Forms

Discretionary Ligatures

f *fl*

Denominators

() —

Denominators, Fractions

0 1 2 3 4 5 6 7 8 9

Fractions, Numerators

0 1 2 3 4 5 6 7 8 9

Localized Forms

Ć Ń Ó Ś Ź i f ć ń ó ś ź ħ fl ħ fl

Ć Ń Ó Ś Ź ‘ ’ ’

Numerators

() - - +

Old Style Figures, Proportional Figures

0 1 2 3 4 5 6 7 8 9 # ¢ ¤ \$ €
 £ ₣ ₹ ₧ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤ ,
 − × ≠ ∂ ‰ ‰ + ± ∥ √ ∟ ◇ § ° † ‡

Old Style Figures, Tabular Figures

0 1 2 3 4 5 6 7 8 9 # ¢ ¤ \$ €
 £ ₣ ₹ ₧ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤ ,
 − × ≠ ∂ ‰ ‰ + ± ∥ √ ∟ ◇ § ° † ‡

Stylistic Alternates, Stylistic Set 1

ŋ ŋ [p̄ [ŋ ŋ

Small Capitals

Q D Θ FI FL FI FL I K N R Σ Ī Ÿ A H
 I Ì Í Î Y ÿ Ý Ÿ Ω

Stylistic Set 2

Б 11 4 Б

Tabular Figures

0 1 2 3 4 5 6 7 8 9 # ¢ ¤ \$ €
 £ ₤ ₹ ∫ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤ ,
 − × ≠ ∂ ‰ ‰ + ± ∏ √ ∑ ∅ § ° † ‡

Slashed Zero

0 0 0 0

Other

?



,

,

OpenType Layout Features

For details about OpenType Layout Features see the [OpenType Layout tag registry](#).

Substitution Features



Access All Alternates

This feature makes all variations of a selected character accessible.



Small Capitals

This feature turns lowercase characters into small capitals. This corresponds to the common SC font layout. It is generally used for display lines set in Large and small caps, such as titles. Forms related to small capitals, such as oldstyle figures, may be included.



Small Capitals From Capitals

This feature turns capital characters into small capitals.



Contextual Alternates

In specified situations, replaces default glyphs with alternate forms which provide better joining behavior.



Standard Ligatures

Replaces a sequence of glyphs with a single glyph which is preferred for typographic purposes. This feature covers the ligatures which the designer/manufacturer judges should be used in normal conditions.



Discretionary Ligatures

Replaces a sequence of glyphs with a single glyph which is preferred for typographic purposes. This feature covers those ligatures which may be used for special effect, at the user's preference.



Old Style Figures

This feature changes selected figures from the default lining style to oldstyle form.



Lining Figures

This feature changes selected figures from oldstyle to the default lining form.



Proportional Figures

Replaces figure glyphs set on uniform (tabular) widths with corresponding glyphs set on glyph-specific (proportional) widths.



Tabular Figures

Replaces figure glyphs set on proportional widths with corresponding glyphs set on uniform (tabular) widths.



Slashed Zero

Some fonts contain both a default form of zero, and an alternative form which uses a diagonal slash through the counter. This feature allows the user to change from the default 0 to a slashed form.

7/

Numerators

Replaces selected figures which precede a slash with numerator figures, and replaces the typographic slash with the fraction slash.

/8

Denominators

Replaces selected figures which follow a slash with denominator figures.

7/8

Fractions

Replaces figures separated by a slash with 'common' (diagonal) fractions.

x²**Superscript**

Replaces lining or oldstyle figures with superior figures (primarily for footnote indication), and may replace lowercase letters with superior letters (primarily for abbreviated French titles).

x₂**Subscript**

The "subs" feature may replace a default glyph with a subscript glyph.

1st**Ordinals**

Replaces default alphabetic glyphs with the corresponding ordinal forms for use after figures.

(G)

Case-Sensitive Forms

Shifts various punctuation marks up to a position that works better with all-capital sequences or sets of lining figures; also changes oldstyle figures to lining figures.

ſſ

Localized Forms

This feature enables localized forms of glyphs to be substituted for default forms.

g·g

Stylistic Alternates

Many fonts contain alternate glyph designs for a purely esthetic effect; these don't always fit into a clear category like swash or historical. This feature replaces the default forms with the stylistic alternates.

[1]

Stylistic Set 1

Glyphs in stylistic sets may be designed to harmonise visually, interact in particular ways, or otherwise work together.

[2]

Stylistic Set 2

Σ·Σ

Mathematical Greek

Replaces standard typographic forms of Greek glyphs with corresponding forms commonly used in mathematical notation (which are a subset of the Greek alphabet).

Positioning Features



Capital Spacing

Globally adjusts inter-glyph spacing for all-capital text. Most typefaces contain capitals and lowercase characters, and the capitals are positioned to work with the lowercase. When capitals are used for words, they need more space between them for legibility and esthetics.



Kerning

Adjusts amount of space between glyphs, generally to provide optically consistent spacing between glyphs.



Mark Positioning

Positions mark glyphs with respect to base glyphs.



Mark to Mark Positioning

Positions marks with respect to other marks. Required in various non-Latin scripts like Arabic.

Codepages

MacOS

MacOS Central Europe
MacOS Croatian
MacOS Cyrillic
MacOS Greek

MacOS Icelandic
MacOS Roman
MacOS Romanian
MacOS Turkish

MS Windows

MS Windows 1250 Central European
MS Windows 1251 Cyrillic
MS Windows 1252 Western (ANSI)

MS Windows 1253 Greek
MS Windows 1254 Turkish
MS Windows 1257 Baltic

ISO

ISO 8859- 1 Latin 1 (Western)
ISO 8859- 2 Latin 2 (Central Europe)
ISO 8859- 3 Latin 3 (Tu, Malt, Gal, Esp)
ISO 8859- 4 Latin 4 (Baltic)
ISO 8859- 5 Cyrillic

ISO 8859- 9 Latin 5 (Turkish)
ISO 8859-10 Latin 6 (Scandinavian)
ISO 8859-13 Latin 7 (Baltic 2)
ISO 8859-15 Latin 9
ISO 8859-16 Latin 10

Languages

Information about languages is mainly based on the Unicode Common Locale Data Repository. For details visit the [Unicode CLDR Project](#).

Latin

| | | | |
|---------------------------|-----------------|-------------------|-----------------|
| Afar | Ga | Machame | Slovak |
| Afrikaans | Galician | Makonde | Slovenian |
| Akan | Ganda | Malagasy | Soga |
| Albanian | German | Malay | Somali |
| Asu | Gusii | Maltese | Sorbian, Lower |
| Azerbaijani | Hausa | Manx | Sorbian, Upper |
| Bambara | Hawaiian | Maori | Sotho, Northern |
| Basque | Hungarian | Masai | Sotho, Southern |
| Bemba | Icelandic | Meru | South Ndebele |
| Bena | Igbo | Moldavian | Spanish |
| Bosnian | Indonesian | Morisyen | Swahili |
| Breton | Interlingua | Nama | Swati |
| Catalan | Irish | North Ndebele | Swedish |
| Central Morocco Tamazight | Italian | Norwegian Bokmål | Swiss German |
| Chiga | Jju | Norwegian Nynorsk | Tachelhit |
| Cognian | Kabuverdianu | Nyanja | Taita |
| Cornish | Kabyle | Nyankole | Taroko |
| Crimean Tatar | Kalaallisut | Occitan | Teso |
| Croatian | Kalenjin | Oromo | Tonga |
| Czech | Kamba | Polish | Tsonga |
| Danish | Kikuyu | Portuguese | Tswana |
| Dutch | Kinyarwanda | Romanian | Turkish |
| Embu | Koro | Romansh | Tyap |
| English | Koyra Chiini | Rombo | Venda |
| Esperanto | Koyraboro Senni | Rwa | Vietnamese |
| Estonian | Kpelle | Saho | Vunjo |
| Ewe | Kurdish | Samburu | Welsh |
| Faroese | Langi | Sami Northern | Wolof |
| Filipino | Latvian | Sango | Xhosa |
| Finnish | Lingala | Sena | Yoruba |
| French | Lithuanian | Serbian | Zulu |
| Frisian West | Low German | Shambala | |
| Friulian | Luo | Shona | |
| Fulah | Luyia | Sidamo | |

Cyrillic

| | | | |
|-------------|------------|-----------|-----------|
| Azerbaijani | Buriat | Mongolian | Tatar |
| Bashkir | Chechen | Russian | Uighur |
| Belarusian | Kazakh | Serbian | Ukrainian |
| Bulgarian | Macedonian | Tajik | Uzbek |

Greek

Greek