
目 录

| | |
|---|----|
| 表 1: UTF-8 Latin 基本字符 16 进制编码 UTF-8 Latin basic character hexadecimal code..... | 2 |
| 表 2: UTF-8 Latin 补充字符 16 进制编码 Latin adds character hexadecimal code..... | 3 |
| 表 3: UTF-8 Latin 扩展字符 16 进制编码 A Latin extensionA character hexadecimal code | 4 |
| 表 4: UTF-8 Latin 扩展字符 16 进制编码 BLatin extension character hexadecimal code..... | 5 |
| 表 6: UTF-8 Greek 和 Coptic 字符 16 进制编码 Glick & Coptich character hexadecimal code...7 | |
| 表 7: UTF-8 Cyrillic 基本字符 16 进制编码 Cyrillic basic character hexadecimal code..... | 8 |
| 表 8: UTF-8 Cyrillic 补充字符 16 进制编码 Cyrillic added character hexadecimal code | 10 |
| 表 9: UTF-8 常用标点符号 16 进制编码 General Punctuation hexadecimal code..... | 11 |
| 表 10: UTF-8 货币符号 16 进制编码 Currency Symbols hexadecimal code..... | 12 |
| 表 11: UTF-8 字母式符号 16 进制编码 Letterlike Symbols hexadecimal code..... | 13 |
| 表 12: UTF-8 箭头 16 进制编码 Arrows hexadecimal code..... | 14 |
| 表 13: UTF-8 数学运算符号 16 进制编码 Mathematical Operators hexadecimal code | 15 |
| 表 14: UTF-8 制表符 16 进制编码 Box Drawings hexadecimal code..... | 17 |
| 表 15: UTF-8 方块元素 16 进制编码 Block Elements hexadecimal code | 18 |
| 表 16: UTF-8 几何图形 16 进制编码 Geometric Shapes hexadecimal code | 19 |
| 表 17: UTF-8 杂项符号 16 进制编码 Miscellaneous Symbols hexadecimal code | 20 |
| 表 18: UTF-8 印刷符号 16 进制编码 Dingbats hexadecimal code | 22 |
| 表 19: UTF-8 表情符号 16 进制编码 Emoji hexadecimal code | 23 |

UTF-8 (8 位元, Universal Character Set/Unicode Transformation Format) 是针对 Unicode 的一种可变长度字符编码。它可以用来表示 Unicode 标准中的任何字符, 是电子邮件、网页及其他存储或传送文字的应用中优先采用的编码, 如 Office Word、记事本、微信等。本文整理的是字符的 UTF-8 16 进制编码。

UTF-8 (8-bit, Universal Character Set/Unicode Transformation Format) is a variable length character encoding for Unicode. It can be used to represent any character in the Unicode standard. It is the preferred encoding in e-mail, web pages and other applications that store or transmit text, such as Office Word, Notepad, WeChat, etc. This paper deals with the UTF-8 hexadecimal encoding of characters.

表 1: UTF-8 Latin 基本字符 16 进制编码 UTF-8 Latin basic character hexadecimal code

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

表 2: UTF-8 Latin 补充字符 16 进制编码 Latin adds character hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 |
| 008A | 008B | 008C | 008D | 008E | 008F | 0090 | 0091 | 0092 | 0093 |
| 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 009A | 009B | 009C | 009D |
| 009E | 009F | 00A0 | ı | ç | £ | ¤ | ¥ | ¦ | § |
| 00A8 | © | ª | « | ¬ | | ® | ¯ | ° | ± |
| 00B2 | ³ | ´ | µ | ¶ | · | ¸ | ¹ | º | » |
| ¼ | ½ | ¾ | ¿ | À | Á | Â | Ã | Ä | Å |
| 00BC | 00BD | 00BE | 00BF | 00C0 | 00C1 | 00C2 | 00C3 | 00C4 | 00C5 |
| Æ | Ç | È | É | Ê | Ë | Ì | Í | Î | Ï |
| 00C6 | 00C7 | 00C8 | 00C9 | 00CA | 00CB | 00CC | 00CD | 00CE | 00CF |
| Ð | Ñ | Ò | Ó | Ô | Õ | Ö | × | Ø | Ù |
| 00D0 | 00D1 | 00D2 | 00D3 | 00D4 | 00D5 | 00D6 | 00D7 | 00D8 | 00D9 |
| Ú | Û | Ü | Ý | Þ | ß | à | á | â | ã |
| 00DA | 00DB | 00DC | 00DD | 00DE | 00DF | 00E0 | 00E1 | 00E2 | 00E3 |
| ä | å | æ | ç | è | é | ê | ë | ì | í |
| 00E4 | 00E5 | 00E6 | 00E7 | 00E8 | 00E9 | 00EA | 00EB | 00EC | 00ED |
| î | ï | ð | ñ | ò | ó | ô | õ | ö | ÷ |
| 00EE | 00EF | 00F0 | 00F1 | 00F2 | 00F3 | 00F4 | 00F5 | 00F6 | 00F7 |
| ø | ù | ú | û | ü | ý | þ | ÿ | | |
| 00F8 | 00F9 | 00FA | 00FB | 00FC | 00FD | 00FE | 00FF | | |

表 3: UTF-8 Latin 扩展字符 16 进制编码 A Latin extensionA character hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| Ā | ā | Ă | ă | Ą | ą | Ć | ć | Ĉ | ĉ |
| 0100 | 0101 | 0102 | 0103 | 0104 | 0105 | 0106 | 0107 | 0108 | 0109 |
| Ċ | ċ | Č | č | Ď | ď | Đ | đ | Ē | ē |
| 010A | 010B | 010C | 010D | 010E | 010F | 0110 | 0111 | 0112 | 0113 |
| Ě | ě | Ĕ | ĕ | Ę | ę | Ě | ě | Ĝ | ĝ |
| 0114 | 0115 | 0116 | 0117 | 0118 | 0119 | 011A | 011B | 011C | 011D |
| Ĝ | ĝ | Ĝ | ĝ | Ģ | ģ | Ĥ | ĥ | Ħ | ħ |
| 011E | 011F | 0120 | 0121 | 0122 | 0123 | 0124 | 0125 | 0126 | 0127 |
| Ĩ | ĩ | Ī | ī | Ĳ | ĳ | Į | į | İ | ı |
| 0128 | 0129 | 012A | 012B | 012C | 012D | 012E | 012F | 0130 | 0131 |
| Ĵ | ĵ | Ĵ | ĵ | Ķ | ķ | κ | Ĺ | ĺ | Ļ |
| 0132 | 0133 | 0134 | 0135 | 0136 | 0137 | 0138 | 0139 | 013A | 013B |
| Ĵ | Ĵ | ŀ | ł | ł | ł | ł | Ń | ń | Ņ |
| 013C | 013D | 013E | 013F | 0140 | 0141 | 0142 | 0143 | 0144 | 0145 |
| ŋ | Ń | ń | ŋ | Ņ | ņ | Ō | ō | Ŕ | ŕ |
| 0146 | 0147 | 0148 | 0149 | 014A | 014B | 014C | 014D | 014E | 014F |
| Ŏ | ŏ | Œ | œ | Ŗ | ŗ | Ŕ | ŕ | Ř | ř |
| 0150 | 0151 | 0152 | 0153 | 0154 | 0155 | 0156 | 0157 | 0158 | 0159 |
| Ś | ś | Ŝ | ŝ | Ş | ş | Š | š | Ţ | ţ |
| 015A | 015B | 015C | 015D | 015E | 015F | 0160 | 0161 | 0162 | 0163 |
| Ť | ť | Ŧ | ŧ | Ũ | ũ | Ū | ū | Ů | ů |
| 0164 | 0165 | 0166 | 0167 | 0168 | 0169 | 016A | 016B | 016C | 016D |
| Ů | ů | Ů | ů | Ū | ū | Ŵ | ŵ | Ŷ | ŷ |
| 016E | 016F | 0170 | 0171 | 0172 | 0173 | 0174 | 0175 | 0176 | 0177 |
| Ÿ | Ž | ž | Ž | ž | Ž | ž | ƒ | | |
| 0178 | 0179 | 017A | 017B | 017C | 017D | 017E | 017F | | |

表 4: UTF-8 Latin 扩展字符 16 进制编码 BLatin extension character hexadecimal code

| | | | | | | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| b 0180 | B 0181 | Б 0182 | Ḃ 0183 | ḃ 0184 | Ḅ 0185 | ḅ 0186 | Ḇ 0187 | ḇ 0188 | Ḉ 0189 |
| Ḋ 018A | ḋ 018B | Ḍ 018C | ḅ 018D | Ḇ 018E | ḇ 018F | Ḉ 0190 | Ḋ 0191 | ḋ 0192 | Ḍ 0193 |
| Ḟ 0194 | ḟ 0195 | Ḡ 0196 | ḡ 0197 | Ḣ 0198 | ḣ 0199 | ḣ 019A | Ḥ 019B | ḥ 019C | Ḧ 019D |
| Ḩ 019E | ḩ 019F | Ḫ 01A0 | ḫ 01A1 | Ḭ 01A2 | ḭ 01A3 | Ḭ 01A4 | Ḯ 01A5 | ḯ 01A6 | Ḱ 01A7 |
| Ḳ 01A8 | ḳ 01A9 | Ḵ 01AA | ḵ 01AB | Ḷ 01AC | ḷ 01AD | Ḷ 01AE | Ḹ 01AF | ḹ 01B0 | Ḻ 01B1 |
| Ḽ 01B2 | ḽ 01B3 | Ḿ 01B4 | ḿ 01B5 | Ṁ 01B6 | ṁ 01B7 | Ṁ 01B8 | Ṃ 01B9 | ṃ 01BA | Ṅ 01BB |
| Ṇ 01BC | ṏ 01BD | Ṑ 01BE | ṑ 01BF | Ṓ 01C0 | ṓ 01C1 | Ṓ 01C2 | Ṕ 01C3 | ṕ 01C4 | Ṗ 01C5 |
| Ṛ 01C6 | ṓ 01C7 | Ṕ 01C8 | ṕ 01C9 | Ṗ 01CA | ṑ 01CB | Ṓ 01CC | Ṕ 01CD | ṕ 01CE | Ṗ 01CF |
| Ṙ 01D0 | ṙ 01D1 | Ṛ 01D2 | ṓ 01D3 | Ṕ 01D4 | ṕ 01D5 | Ṓ 01D6 | Ṕ 01D7 | ṕ 01D8 | Ṗ 01D9 |
| Ṙ 01DA | ṙ 01DB | Ṛ 01DC | ṓ 01DD | Ṕ 01DE | ṕ 01DF | Ṓ 01E0 | Ṕ 01E1 | ṕ 01E2 | Ṗ 01E3 |
| Ṗ 01E4 | ṑ 01E5 | Ṓ 01E6 | ṓ 01E7 | Ṕ 01E8 | ṕ 01E9 | Ṓ 01EA | Ṕ 01EB | ṕ 01EC | Ṗ 01ED |
| Ṛ 01EE | ṓ 01EF | Ṕ 01F0 | ṕ 01F1 | Ṗ 01F2 | ṑ 01F3 | Ṓ 01F4 | Ṕ 01F5 | ṕ 01F6 | Ṗ 01F7 |
| Ṙ 01F8 | ṙ 01F9 | Ṛ 01FA | ṓ 01FB | Ṕ 01FC | ṕ 01FD | Ṓ 01FE | Ṕ 01FF | ṕ 0200 | Ṗ 0201 |
| Ṙ 0202 | ṙ 0203 | Ṛ 0204 | ṓ 0205 | Ṕ 0206 | ṕ 0207 | Ṓ 0208 | Ṕ 0209 | ṕ 020A | Ṗ 020B |
| Ṙ 020C | ṙ 020D | Ṛ 020E | ṓ 020F | Ṕ 0210 | ṕ 0211 | Ṓ 0212 | Ṕ 0213 | ṕ 0214 | Ṗ 0215 |
| Ṙ 0216 | ṙ 0217 | Ṛ 0218 | ṓ 0219 | Ṕ 021A | ṕ 021B | Ṓ 021C | Ṕ 021D | ṕ 021E | Ṗ 021F |
| Ṗ 0220 | ṑ 0221 | Ṓ 0222 | ṓ 0223 | Ṕ 0224 | ṕ 0225 | Ṓ 0226 | Ṕ 0227 | ṕ 0228 | Ṗ 0229 |
| Ṙ 022A | ṙ 022B | Ṛ 022C | ṓ 022D | Ṕ 022E | ṕ 022F | Ṓ 0230 | Ṕ 0231 | ṕ 0232 | Ṗ 0233 |
| Ṗ 0234 | ṑ 0235 | Ṓ 0236 | ṓ 0237 | Ṕ 0238 | ṕ 0239 | Ṓ 023A | Ṕ 023B | ṕ 023C | Ṗ 023D |
| Ṗ 023E | ṑ 023F | Ṓ 0240 | ṓ 0241 | Ṕ 0242 | ṕ 0243 | Ṓ 0244 | Ṕ 0245 | ṕ 0246 | Ṗ 0247 |
| Ṗ 0248 | ṑ 0249 | Ṓ 024A | ṓ 024B | Ṕ 024C | ṕ 024D | Ṓ 024E | Ṕ 024F | | |

表 5: UTF-8 变音符号 16 进制编码 Diacritics character hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| ˘ | ˙ | ˆ | ˜ | ˉ | ˊ | ˋ | ˌ | ˆ | ˙ |
| 0300 | 0301 | 0302 | 0303 | 0304 | 0305 | 0306 | 0307 | 0308 | 0309 |
| ˚ | ˛ | ˇ | ˘ | ˙ | ˚ | ˛ | ˜ | ˘ | ˙ |
| 030A | 030B | 030C | 030D | 030E | 030F | 0310 | 0311 | 0312 | 0313 |
| ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ |
| 0314 | 0315 | 0316 | 0317 | 0318 | 0319 | 031A | 031B | 031C | 031D |
| ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ |
| 031E | 031F | 0320 | 0321 | 0322 | 0323 | 0324 | 0325 | 0326 | 0327 |
| ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ |
| 0328 | 0329 | 032A | 032B | 032C | 032D | 032E | 032F | 0330 | 0331 |
| ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ |
| 0332 | 0333 | 0334 | 0335 | 0336 | 0337 | 0338 | 0339 | 033A | 033B |
| ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ |
| 033C | 033D | 033E | 033F | 0340 | 0341 | 0342 | 0343 | 0344 | 0345 |
| ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ |
| 0346 | 0347 | 0348 | 0349 | 034A | 034B | 034C | 034D | 034E | 034F |
| ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ |
| 0350 | 0351 | 0352 | 0353 | 0354 | 0355 | 0356 | 0357 | 0358 | 0359 |
| ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ | ˘ | ˙ |
| 035A | 035B | 035C | 035D | 035E | 035F | 0360 | 0361 | 0362 | 0363 |
| e | i | o | u | c | d | h | m | r | t |
| 0364 | 0365 | 0366 | 0367 | 0368 | 0369 | 036A | 036B | 036C | 036D |
| v | x | | | | | | | | |
| 036E | 036F | | | | | | | | |

表 6: UTF-8 Greek 和 Coptic 字符 16 进制编码 Glick & Coptich character hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| Ɖ | Ɛ | Ɔ | Ɔ | ʼ | ʼ | И | и | | |
| 0370 | 0371 | 0372 | 0373 | 0374 | 0375 | 0376 | 0377 | 0378 | 0379 |
| ˆ | ˆ | € | ˆ | ; | J | | | | |
| 037A | 037B | 037C | 037D | 037E | 037F | 0380 | 0381 | 0382 | 0383 |
| ˆ | ˆ | À | ˆ | È | ˆ | ı | | ˆ | |
| 0384 | 0385 | 0386 | 0387 | 0388 | 0389 | 038A | 038B | 038C | 038D |
| Υ | Ω | ı | A | B | Γ | Δ | E | Z | H |
| 038E | 038F | 0390 | 0391 | 0392 | 0393 | 0394 | 0395 | 0396 | 0397 |
| Θ | ı | K | Λ | M | N | Ξ | Ο | Π | P |
| 0398 | 0399 | 039A | 039B | 039C | 039D | 039E | 039F | 03A0 | 03A1 |
| | Σ | Τ | Υ | Φ | Χ | Ψ | Ω | ı | ÿ |
| 03A2 | 03A3 | 03A4 | 03A5 | 03A6 | 03A7 | 03A8 | 03A9 | 03AA | 03AB |
| ά | έ | ή | ί | ύ | α | β | γ | δ | ε |
| 03AC | 03AD | 03AE | 03AF | 03B0 | 03B1 | 03B2 | 03B3 | 03B4 | 03B5 |
| ζ | η | θ | ι | κ | λ | μ | ν | ξ | ο |
| 03B6 | 03B7 | 03B8 | 03B9 | 03BA | 03BB | 03BC | 03BD | 03BE | 03BF |
| π | ρ | ς | σ | τ | υ | φ | χ | ψ | ω |
| 03C0 | 03C1 | 03C2 | 03C3 | 03C4 | 03C5 | 03C6 | 03C7 | 03C8 | 03C9 |
| ı | ü | ó | ú | ώ | ξ | β | θ | Υ | Υ |
| 03CA | 03CB | 03CC | 03CD | 03CE | 03CF | 03D0 | 03D1 | 03D2 | 03D3 |
| ÿ | φ | ω | κ | φ | φ | ζ | ς | F | f |
| 03D4 | 03D5 | 03D6 | 03D7 | 03D8 | 03D9 | 03DA | 03DB | 03DC | 03DD |
| ς | ς | λ | λ | ω | ω | ϥ | ϥ | ϥ | ϥ |
| 03DE | 03DF | 03E0 | 03E1 | 03E2 | 03E3 | 03E4 | 03E5 | 03E6 | 03E7 |
| ϥ | ϥ | ϥ | ϥ | ϥ | ϥ | ϥ | ϥ | ϥ | ϥ |
| 03E8 | 03E9 | 03EA | 03EB | 03EC | 03ED | 03EE | 03EF | 03F0 | 03F1 |
| ϥ | j | θ | ε | ε | ϥ | ϥ | C | M | μ |
| 03F2 | 03F3 | 03F4 | 03F5 | 03F6 | 03F7 | 03F8 | 03F9 | 03FA | 03FB |
| ρ | ϥ | ϥ | ϥ | | | | | | |
| 03FC | 03FD | 03FE | 03FF | | | | | | |

表 7: UTF-8 Cyrillic 基本字符 16 进制编码 Cyrillic basic character hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| È | Ě | Ђ | Ѓ | Є | Ѕ | І | Ї | Ј | Љ |
| 0400 | 0401 | 0402 | 0403 | 0404 | 0405 | 0406 | 0407 | 0408 | 0409 |
| Њ | Ћ | Ќ | Ў | Ў | Ц | А | Б | В | Г |
| 040A | 040B | 040C | 040D | 040E | 040F | 0410 | 0411 | 0412 | 0413 |
| Д | Е | Ж | З | И | Й | К | Л | М | Н |
| 0414 | 0415 | 0416 | 0417 | 0418 | 0419 | 041A | 041B | 041C | 041D |
| О | П | Р | С | Т | У | Ф | Х | Ц | Ч |
| 041E | 041F | 0420 | 0421 | 0422 | 0423 | 0424 | 0425 | 0426 | 0427 |
| Ш | Щ | Ъ | Ы | Ь | Э | Ю | Я | а | б |
| 0428 | 0429 | 042A | 042B | 042C | 042D | 042E | 042F | 0430 | 0431 |
| в | г | д | е | ж | з | и | й | к | л |
| 0432 | 0433 | 0434 | 0435 | 0436 | 0437 | 0438 | 0439 | 043A | 043B |
| м | н | о | п | р | с | т | у | ф | х |
| 043C | 043D | 043E | 043F | 0440 | 0441 | 0442 | 0443 | 0444 | 0445 |
| ц | ч | ш | щ | ъ | ы | ь | э | ю | я |
| 0446 | 0447 | 0448 | 0449 | 044A | 044B | 044C | 044D | 044E | 044F |
| è | ě | ђ | ѓ | є | ѕ | і | ї | ј | љ |
| 0450 | 0451 | 0452 | 0453 | 0454 | 0455 | 0456 | 0457 | 0458 | 0459 |
| њ | ћ | ќ | ў | ў | ц | ѡ | ѡ | Ѣ | ѣ |
| 045A | 045B | 045C | 045D | 045E | 045F | 0460 | 0461 | 0462 | 0463 |
| Ѕ | ѕ | Љ | љ | Њ | њ | Ѓ | ѓ | Ќ | ќ |
| 0464 | 0465 | 0466 | 0467 | 0468 | 0469 | 046A | 046B | 046C | 046D |
| Ў | ў | Ѣ | ѣ | Ѥ | ѥ | Ѧ | ѧ | Ѩ | ѩ |
| 046E | 046F | 0470 | 0471 | 0472 | 0473 | 0474 | 0475 | 0476 | 0477 |
| Оу | оу | О | о | Ѓ | ѓ | Ѡ | ѡ | Ѓ | ѓ |
| 0478 | 0479 | 047A | 047B | 047C | 047D | 047E | 047F | 0480 | 0481 |
| Ѧ | ѧ | Ѩ | ѩ | Ѫ | ѫ | Ѭ | ѭ | Ѓ | ѓ |
| 0482 | 0483 | 0484 | 0485 | 0486 | 0487 | 0488 | 0489 | 048A | 048B |
| Ѣ | ѣ | Ѥ | ѥ | Ѧ | ѧ | Ѩ | ѩ | Ѓ | ѓ |
| 048C | 048D | 048E | 048F | 0490 | 0491 | 0492 | 0493 | 0494 | 0495 |
| Жѣ | жѣ | Ѣ | ѣ | К | к | К | к | К | к |
| 0496 | 0497 | 0498 | 0499 | 049A | 049B | 049C | 049D | 049E | 049F |
| К | к | Ѓ | ѓ | Г | г | П | п | Ѡ | ѡ |
| 04A0 | 04A1 | 04A2 | 04A3 | 04A4 | 04A5 | 04A6 | 04A7 | 04A8 | 04A9 |
| Ѓ | ѓ | Т | т | У | у | Ѣ | ѣ | Х | х |
| 04AA | 04AB | 04AC | 04AD | 04AE | 04AF | 04B0 | 04B1 | 04B2 | 04B3 |
| Ц | ц | Ч | ч | Ч | ч | Һ | һ | Ѣ | ѣ |
| 04B4 | 04B5 | 04B6 | 04B7 | 04B8 | 04B9 | 04BA | 04BB | 04BC | 04BD |
| Ѣ | ѣ | І | Ѓ | ж | Ѓ | ѣ | Л | л | Ѓ |
| 04BE | 04BF | 04C0 | 04C1 | 04C2 | 04C3 | 04C4 | 04C5 | 04C6 | 04C7 |
| Ѓ | Ѓ | њ | Ѣ | ѣ | М | м | І | Ѓ | ă |
| 04C8 | 04C9 | 04CA | 04CB | 04CC | 04CD | 04CE | 04CF | 04D0 | 04D1 |

| | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| Ä 04D2 | ä 04D3 | Æ 04D4 | æ 04D5 | Ě 04D6 | ě 04D7 | Ə 04D8 | ə 04D9 | Ě 04DA | ě 04DB |
| Ж 04DC | ж 04DD | Ž 04DE | ž 04DF | З 04E0 | з 04E1 | Й 04E2 | й 04E3 | Й 04E4 | й 04E5 |
| Ö 04E6 | ö 04E7 | Ө 04E8 | ө 04E9 | Ө 04EA | ө 04EB | Ә 04EC | ә 04ED | Ÿ 04EE | ÿ 04EF |
| Ÿ 04F0 | ÿ 04F1 | Ý 04F2 | ý 04F3 | Č 04F4 | č 04F5 | Г 04F6 | г 04F7 | БІ 04F8 | бі 04F9 |
| ƒ 04FA | ƒ 04FB | Ɔ 04FC | ɔ 04FD | Ж 04FE | ж 04FF | | | | |

SMARTYAO

表 8: UTF-8 Cyrillic 补充字符 16 进制编码 Cyrillic added character hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| д | д | ђ | ђ | ѐ | ѐ | ѓ | ѓ | Ѡ | P9 |
| 0500 | 0501 | 0502 | 0503 | 0504 | 0505 | 0506 | 0507 | 0508 | 0509 |
| Ѣ | Ѣ | Ѧ | Ѧ | Ѩ | Ѩ | Ѭ | Ѭ | Ѫ | Q3 |
| 050A | 050B | 050C | 050D | 050E | 050F | 0510 | 0511 | 0512 | 0513 |
| Ѭ | Ѭ | Ѱ | Ѱ | Ѳ | Ѳ | Ѵ | Ѵ | Ѳ | QD |
| 0514 | 0515 | 0516 | 0517 | 0518 | 0519 | 051A | 051B | 051C | 051D |
| Ѵ | Ѵ | Ѷ | Ѷ | Ѹ | Ѹ | Ѻ | Ѻ | Ѷ | R7 |
| 051E | 051F | 0520 | 0521 | 0522 | 0523 | 0524 | 0525 | 0526 | 0527 |
| Ѹ | Ѹ | Ѽ | Ѽ | Ѿ | Ѿ | Ѽ | Ѽ | | |
| 0528 | 0529 | 052A | 052B | 052C | 052D | 052E | 052F | | |

SMARTYAO

表 9: UTF-8 常用标点符号 16 进制编码 General Punctuation hexadecimal code

| | | | | | | | | | |
|------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|-----------|
| 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| 200A | 200B | 200C | 200D | 200E | 200F | - 2010 | - 2011 | - 2012 | - 2013 |
| — 2014 | — 2015 | 2016 | = 2017 | ‘ 2018 | ’ 2019 | , 201A | ‘ 201B | “ 201C | ” 201D |
| ” 201E | ” 201F | † 2020 | ‡ 2021 | • 2022 | ▶ 2023 | · 2024 | .. 2025 | … 2026 | · 2027 |
| 2028 | 2029 | 202A | 202B | 202C | 202D | 202E | 202F | ‰ 2030 | ‰ 2031 |
| ’ 2032 | ” 2033 | ” 2034 | \ 2035 | ” 2036 | ” 2037 | ^ 2038 | < 2039 | > 203A | * 203B |
| !! 203C | ? 203D | - 203E | ~ 203F | ^ 2040 | ∧ 2041 | ** 2042 | - 2043 | / 2044 | E 2045 |
| } 2046 | ?? 2047 | ?! 2048 | !? 2049 | 7 204A | ¶ 204B | ◀ 204C | ▶ 204D | * 204E | ∴ 204F |
| ⌒ 2050 | * 2051 | % 2052 | ~ 2053 | ⌒ 2054 | * 2055 | ∴ 2056 | ” 2057 | ∴ 2058 | ∴ 2059 |
| ∴ 205A | ∴ 205B | ∴ 205C | ∴ 205D | ∴ 205E | | | | | |

表 10: UTF-8 货币符号 16 进制编码 Currency Symbols hexadecimal code

| | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| € 20A0 | ¢ 20A1 | ₠ 20A2 | ₡ 20A3 | £ 20A4 | ₪ 20A5 | ₹ 20A6 | ₺ 20A7 | ₴ 20A8 | ₵ 20A9 |
| ₶ 20AA | ₷ 20AB | ₸ 20AC | ₹ 20AD | ₺ 20AE | ₳ 20AF | ₴ 20B0 | ₵ 20B1 | ₶ 20B2 | ₷ 20B3 |
| ₸ 20B4 | ₹ 20B5 | ₺ 20B6 | ₳ 20B7 | ₴ 20B8 | ₵ 20B9 | ₶ 20BA | ₷ 20BB | ₸ 20BC | ₹ 20BD |
| ₺ 20BE | ₳ 20BF | | | | | | | | |

SMARTYAO

表 11: UTF-8 字母式符号 16 进制编码 Letterlike Symbols hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| ‰ | ‱ | © | °C | ¢ | ‡ | ‰ | £ | ₹ | °F |
| 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 |
| ƒ | ℥ | ₪ | ₹ | ₺ | ₻ | ₼ | ₽ | ₾ | ₿ |
| 210A | 210B | 210C | 210D | 210E | 210F | 2110 | 2111 | 2112 | 2113 |
| Ⓜ | ℕ | № | Ⓟ | Ⓠ | Ⓡ | Ⓢ | Ⓣ | Ⓤ | ℝ |
| 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 211A | 211B | 211C | 211D |
| ℞ | ℙ | ℚ | TEL | ™ | ℵ | ℶ | ℷ | Ω | ⓪ |
| 211E | 211F | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 |
| ℘ | γ | Κ | Å | ℘ | ℙ | e | e | ℘ | ℙ |
| 2128 | 2129 | 212A | 212B | 212C | 212D | 212E | 212F | 2130 | 2131 |
| Ⓛ | ℳ | σ | κ | Ⓛ | λ | γ | i | Ⓞ | FAX |
| 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 213A | 213B |
| π | γ | Γ | Π | Σ | Ϡ | Ⓛ | Ⓛ | Ⓛ | D |
| 213C | 213D | 213E | 213F | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 |
| d | e | i | j | ℙ | ℙ | ℙ | ‰ | Ⓛ | ∞ |
| 2146 | 2147 | 2148 | 2149 | 214A | 214B | 214C | 214D | 214E | 214F |

表 12: UTF-8 箭头 16 进制编码 Arrows hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| ← | ↑ | → | ↓ | ↔ | ↕ | ↖ | ↗ | ↘ | ↙ |
| 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 |
| ↔ | ↕ | ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ |
| 219A | 219B | 219C | 219D | 219E | 219F | 21A0 | 21A1 | 21A2 | 21A3 |
| ↔ | ↑ | → | ↓ | ↕ | ↖ | ↗ | ↘ | ↙ | ↚ |
| 21A4 | 21A5 | 21A6 | 21A7 | 21A8 | 21A9 | 21AA | 21AB | 21AC | 21AD |
| ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ | ↞ | ↟ |
| 21AE | 21AF | 21B0 | 21B1 | 21B2 | 21B3 | 21B4 | 21B5 | 21B6 | 21B7 |
| ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ | ↞ | ↟ |
| 21B8 | 21B9 | 21BA | 21BB | 21BC | 21BD | 21BE | 21BF | 21C0 | 21C1 |
| ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ | ↞ | ↟ |
| 21C2 | 21C3 | 21C4 | 21C5 | 21C6 | 21C7 | 21C8 | 21C9 | 21CA | 21CB |
| ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ | ↞ | ↟ |
| 21CC | 21CD | 21CE | 21CF | 21D0 | 21D1 | 21D2 | 21D3 | 21D4 | 21D5 |
| ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ | ↞ | ↟ |
| 21D6 | 21D7 | 21D8 | 21D9 | 21DA | 21DB | 21DC | 21DD | 21DE | 21DF |
| ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ | ↞ | ↟ |
| 21E0 | 21E1 | 21E2 | 21E3 | 21E4 | 21E5 | 21E6 | 21E7 | 21E8 | 21E9 |
| ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ | ↞ | ↟ |
| 21EA | 21EB | 21EC | 21ED | 21EE | 21EF | 21F0 | 21F1 | 21F2 | 21F3 |
| ↖ | ↗ | ↘ | ↙ | ↚ | ↛ | ↜ | ↝ | ↞ | ↟ |
| 21F4 | 21F5 | 21F6 | 21F7 | 21F8 | 21F9 | 21FA | 21FB | 21FC | 21FD |
| → | ↔ | | | | | | | | |
| 21FE | 21FF | | | | | | | | |

表 13: UTF-8 数学运算符 16 进制编码 Mathematical Operators hexadecimal code























| | | | | | | | | | |
|----------------------|----------------------------|----------------------|---------------------------|---------------------------|----------------------|------------------------|---------------------------|---------------------------|---------------------------|
| \forall 2200 | \complement 2201 | ∂ 2202 | \exists 2203 | \nexists 2204 | \emptyset 2205 | Δ 2206 | ∇ 2207 | \in 2208 | \notin 2209 |
| ϵ 220A | \ni 220B | \pounds 220C | \ni 220D | \blacksquare 220E | \sqcap 220F | \sqcup 2210 | Σ 2211 | $-$ 2212 | \mp 2213 |
| \dagger 2214 | $/$ 2215 | \backslash 2216 | $*$ 2217 | \circ 2218 | \cdot 2219 | $\sqrt{\quad}$ 221A | $\sqrt[3]{\quad}$ 221B | $\sqrt[n]{\quad}$ 221C | \propto 221D |
| ∞ 221E | \perp 221F | \angle 2220 | \sphericalangle 2221 | \sphericalangle 2222 | $ $ 2223 | \dagger 2224 | $//$ 2225 | $\#$ 2226 | \wedge 2227 |
| \vee 2228 | \cap 2229 | \cup 222A | \int 222B | \iint 222C | \iiint 222D | \oint 222E | \oint 222F | \oint 2230 | \oint 2231 |
| \oint 2232 | \oint 2233 | \therefore 2234 | \because 2235 | \therefore 2236 | \because 2237 | \therefore 2238 | \because 2239 | \because 223A | \div 223B |
| \sim 223C | \curvearrowright 223D | ∞ 223E | \cup 223F | \cup 2240 | $+$ 2241 | \approx 2242 | \approx 2243 | \neq 2244 | \equiv 2245 |
| \neq 2246 | \neq 2247 | \approx 2248 | \neq 2249 | \equiv 224A | \equiv 224B | \cong 224C | \times 224D | \sphericalangle 224E | \sphericalangle 224F |
| \doteq 2250 | \doteq 2251 | \doteq 2252 | \doteq 2253 | \doteq 2254 | \doteq 2255 | \doteq 2256 | \doteq 2257 | \doteq 2258 | \doteq 2259 |
| \doteq 225A | \doteq 225B | \doteq 225C | \doteq 225D | \doteq 225E | \doteq 225F | \neq 2260 | \equiv 2261 | \neq 2262 | \equiv 2263 |
| \leq 2264 | \geq 2265 | \leq 2266 | \geq 2267 | \leq 2268 | \geq 2269 | \ll 226A | \gg 226B | \lessgtr 226C | \neq 226D |
| \lessgtr 226E | \lessgtr 226F | \lessgtr 2270 | \lessgtr 2271 | \leq 2272 | \geq 2273 | \lessgtr 2274 | \lessgtr 2275 | \leq 2276 | \geq 2277 |
| \lessgtr 2278 | \lessgtr 2279 | \lessgtr 227A | \lessgtr 227B | \lessgtr 227C | \lessgtr 227D | \lessgtr 227E | \lessgtr 227F | \lessgtr 2280 | \lessgtr 2281 |
| \subset 2282 | \supset 2283 | \subsetneq 2284 | \supsetneq 2285 | \subseteq 2286 | \supseteq 2287 | \subsetneq 2288 | \supsetneq 2289 | \subsetneq 228A | \supsetneq 228B |
| \subsetneq 228C | \supsetneq 228D | \subsetneq 228E | \subsetneq 228F | \subsetneq 2290 | \subsetneq 2291 | \subsetneq 2292 | \subsetneq 2293 | \subsetneq 2294 | \oplus 2295 |
| \ominus 2296 | \otimes 2297 | \otimes 2298 | \odot 2299 | \odot 229A | \odot 229B | \ominus 229C | \ominus 229D | \oplus 229E | \oplus 229F |
| \boxtimes 22A0 | \boxtimes 22A1 | \vdash 22A2 | \dashv 22A3 | \top 22A4 | \perp 22A5 | \vdash 22A6 | \vdash 22A7 | \vDash 22A8 | \vDash 22A9 |
| \vDash 22AA | \vDash 22AB | \vDash 22AC | \vDash 22AD | \vDash 22AE | \vDash 22AF | \exists 22B0 | \exists 22B1 | \forall 22B2 | \forall 22B3 |

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| ∇ | ∇ | ↔ | ↔ | ↔ | ÷ | ⊤ | ≠ | ≠ | ∇ |
| 22B4 | 22B5 | 22B6 | 22B7 | 22B8 | 22B9 | 22BA | 22BB | 22BC | 22BD |
| ⊥ | ∠ | ∧ | ∨ | ∩ | ∪ | ◇ | · | ★ | ※ |
| 22BE | 22BF | 22C0 | 22C1 | 22C2 | 22C3 | 22C4 | 22C5 | 22C6 | 22C7 |
| × | × | × | × | × | ≈ | ∨ | ∧ | ⊆ | ⊇ |
| 22C8 | 22C9 | 22CA | 22CB | 22CC | 22CD | 22CE | 22CF | 22D0 | 22D1 |
| ⌈ | ⌋ | ⌈ | ⌋ | < | > | « | » | ≡ | ≡ |
| 22D2 | 22D3 | 22D4 | 22D5 | 22D6 | 22D7 | 22D8 | 22D9 | 22DA | 22DB |
| ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ |
| 22DC | 22DD | 22DE | 22DF | 22E0 | 22E1 | 22E2 | 22E3 | 22E4 | 22E5 |
| ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ |
| 22E6 | 22E7 | 22E8 | 22E9 | 22EA | 22EB | 22EC | 22ED | 22EE | 22EF |
| ⋄ | ⋄ | € | € | € | € | € | € | € | € |
| 22F0 | 22F1 | 22F2 | 22F3 | 22F4 | 22F5 | 22F6 | 22F7 | 22F8 | 22F9 |
| ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | ⋄ | | | | |
| 22FA | 22FB | 22FC | 22FD | 22FE | 22FF | | | | |

表 14: UTF-8 制表符 16 进制编码 Box Drawings hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| — | — | | | --- | --- | ⋮ | ⋮ | ---- | ---- |
| 2500 | 2501 | 2502 | 2503 | 2504 | 2505 | 2506 | 2507 | 2508 | 2509 |
| ⋮ | ⋮ | ┌ | ┌ | ┌ | ┌ | ┐ | ┐ | ┐ | ┐ |
| 250A | 250B | 250C | 250D | 250E | 250F | 2510 | 2511 | 2512 | 2513 |
| └ | └ | └ | └ | ┘ | ┘ | ┘ | ┘ | ┌ | ┌ |
| 2514 | 2515 | 2516 | 2517 | 2518 | 2519 | 251A | 251B | 251C | 251D |
| ┐ | ┐ | ┐ | ┐ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ |
| 251E | 251F | 2520 | 2521 | 2522 | 2523 | 2524 | 2525 | 2526 | 2527 |
| ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ |
| 2528 | 2529 | 252A | 252B | 252C | 252D | 252E | 252F | 2530 | 2531 |
| ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ |
| 2532 | 2533 | 2534 | 2535 | 2536 | 2537 | 2538 | 2539 | 253A | 253B |
| + | + | + | + | + | + | + | + | + | + |
| 253C | 253D | 253E | 253F | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 |
| + | + | + | + | + | + | -- | -- | | |
| 2546 | 2547 | 2548 | 2549 | 254A | 254B | 254C | 254D | 254E | 254F |
| — | | ┌ | ┌ | ┌ | ┌ | ┐ | ┐ | ┐ | ┐ |
| 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2557 | 2558 | 2559 |
| └ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | ┘ |
| 255A | 255B | 255C | 255D | 255E | 255F | 2560 | 2561 | 2562 | 2563 |
| ┘ | ┘ | ┘ | ┘ | ┘ | ┘ | + | + | + | ┌ |
| 2564 | 2565 | 2566 | 2567 | 2568 | 2569 | 256A | 256B | 256C | 256D |
| ↖ | ↗ | ↘ | ↙ | ↘ | ✕ | - | | - | |
| 256E | 256F | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 | 2576 | 2577 |
| - | | - | | - | | - | | | |
| 2578 | 2579 | 257A | 257B | 257C | 257D | 257E | 257F | | |

表 15: UTF-8 方块元素 16 进制编码 Block Elements hexadecimal code

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| 2580 | 2581 | 2582 | 2583 | 2584 | 2585 | 2586 | 2587 | 2588 | 2589 |
|  |  |  |  |  |  |  |  |  |  |
| 258A | 258B | 258C | 258D | 258E | 258F | 2590 | 2591 | 2592 | 2593 |
|  |  | | | | | | | | |
| 2594 | 2595 | | | | | | | | |

SMARTYAO

表 16: UTF-8 几何图形 16 进制编码 Geometric Shapes hexadecimal code
























































































































































































































































































































| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| 25A0 | 25A1 | 25A2 | 25A3 | 25A4 | 25A5 | 25A6 | 25A7 | 25A8 | 25A9 |
|  |  |  |  |  |  |  |  |  |  |
| 25AA | 25AB | 25AC | 25AD | 25AE | 25AF | 25B0 | 25B1 | 25B2 | 25B3 |
|  |  |  |  |  |  |  |  |  |  |
| 25B4 | 25B5 | 25B6 | 25B7 | 25B8 | 25B9 | 25BA | 25BB | 25BC | 25BD |
|  |  |  |  |  |  |  |  |  |  |
| 25BE | 25BF | 25C0 | 25C1 | 25C2 | 25C3 | 25C4 | 25C5 | 25C6 | 25C7 |
|  |  |  |  |  |  |  |  |  |  |
| 25C8 | 25C9 | 25CA | 25CB | 25CC | 25CD | 25CE | 25CF | 25D0 | 25D1 |
|  |  |  |  |  |  |  |  |  |  |
| 25D2 | 25D3 | 25D4 | 25D5 | 25D6 | 25D7 | 25D8 | 25D9 | 25DA | 25DB |
|  |  |  |  |  |  |  |  |  |  |
| 25DC | 25DD | 25DE | 25DF | 25E0 | 25E1 | 25E2 | 25E3 | 25E4 | 25E5 |
|  |  |  |  |  |  |  |  |  |  |
| 25E6 | 25E7 | 25E8 | 25E9 | 25EA | 25EB | 25EC | 25ED | 25EE | 25EF |
|  |  |  |  |  |  |  |  |  |  |
| 25F0 | 25F1 | 25F2 | 25F3 | 25F4 | 25F5 | 25F6 | 25F7 | 25F8 | 25F9 |
|  |  |  |  |  |  |  |  |  |  |
| 25FA | 25FB | 25FC | 25FD | 25FE | 25FF | | | | |

表 17: UTF-8 杂项符号 16 进制编码 Miscellaneous Symbols hexadecimal code

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| 2600 | 2601 | 2602 | 2603 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 |
|  |  |  |  |  |  |  |  |  | X |
| 260A | 260B | 260C | 260D | 260E | 260F | 2610 | 2611 | 2612 | 2613 |
|  |  |  |  |  |  |  |  |  |  |
| 2614 | 2615 | 2616 | 2617 | 2618 | 2619 | 261A | 261B | 261C | 261D |
|  |  |  | Z |  |  |  | ♀ | † | ♣ |
| 261E | 261F | 2620 | 2621 | 2622 | 2623 | 2624 | 2625 | 2626 | 2627 |
| † | ‡ | ☾ | ☉ | ☉ | ♁ | ☺ | ☹ | ☺ | ☺ |
| 2628 | 2629 | 262A | 262B | 262C | 262D | 262E | 262F | 2630 | 2631 |
| ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| 2632 | 2633 | 2634 | 2635 | 2636 | 2637 | 2638 | 2639 | 263A | 263B |
| ☼ | ☾ | ☾ | ♀ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ |
| 263C | 263D | 263E | 263F | 2640 | 2641 | 2642 | 2643 | 2644 | 2645 |
| ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
| 2646 | 2647 | 2648 | 2649 | 264A | 264B | 264C | 264D | 264E | 264F |
|  |  |  |  |  |  |  |  |  |  |
| 2650 | 2651 | 2652 | 2653 | 2654 | 2655 | 2656 | 2657 | 2658 | 2659 |
|  |  |  |  |  |  |  |  |  |  |
| 265A | 265B | 265C | 265D | 265E | 265F | 2660 | 2661 | 2662 | 2663 |
|  |  |  |  |  |  |  |  |  |  |
| 2664 | 2665 | 2666 | 2667 | 2668 | 2669 | 266A | 266B | 266C | 266D |
| ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
| 266E | 266F | 2670 | 2671 | 2672 | 2673 | 2674 | 2675 | 2676 | 2677 |
|  |  |  |  |  |  |  |  |  |  |
| 2678 | 2679 | 267A | 267B | 267C | 267D | 267E | 267F | 2680 | 2681 |
|  |  |  |  |  |  |  |  |  |  |
| 2682 | 2683 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 268A | 268B |
|  |  |  |  |  |  |  |  |  |  |
| 268C | 268D | 268E | 268F | 2690 | 2691 | 2692 | 2693 | 2694 | 2695 |
|  |  |  |  |  |  |  |  |  |  |
| 2696 | 2697 | 2698 | 2699 | 269A | 269B | 269C | 269D | 269E | 269F |
|  |  |  |  |  |  |  |  |  |  |
| 26A0 | 26A1 | 26A2 | 26A3 | 26A4 | 26A5 | 26A6 | 26A7 | 26A8 | 26A9 |
|  |  |  |  |  |  |  |  |  |  |
| 26AA | 26AB | 26AC | 26AD | 26AE | 26AF | 26B0 | 26B1 | 26B2 | 26B3 |
|  |  |  |  |  |  |  |  |  |  |
| 26B4 | 26B5 | 26B6 | 26B7 | 26B8 | 26B9 | 26BA | 26BB | 26BC | 26BD |
|  |  |  |  |  |  |  |  |  |  |
| 26BE | 26BF | 26C0 | 26C1 | 26C2 | 26C3 | 26C4 | 26C5 | 26C6 | 26C7 |
|  |  |  |  |  |  |  |  |  |  |
| 26C8 | 26C9 | 26CA | 26CB | 26CC | 26CD | 26CE | 26CF | 26D0 | 26D1 |
|  |  |  |  |  |  |  |  |  |  |

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
|  26D2 |  26D3 |  26D4 |  26D5 |  26D6 |  26D7 |  26D8 |  26D9 |  26DA |  26DB |
|  26DC |  26DD |  26DE |  26DF |  26E0 |  26E1 |  26E2 |  26E3 |  26E4 |  26E5 |
|  26E6 |  26E7 |  26E8 |  26E9 |  26EA |  26EB |  26EC |  26ED |  26EE |  26EF |
|  26F0 |  26F1 |  26F2 |  26F3 |  26F4 |  26F5 |  26F6 |  26F7 |  26F8 |  26F9 |
|  26FA |  26FB |  26FC |  26FD |  26FE |  26FF | | | | |




















SMARTYAO































































表 18: UTF-8 印刷符号 16 进制编码 Dingbats hexadecimal code

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | |
| 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 |
| | | | | | | | | | |
| 270A | 270B | 270C | 270D | 270E | 270F | 2710 | 2711 | 2712 | 2713 |
| | | | | | | | | | |
| 2714 | 2715 | 2716 | 2717 | 2718 | 2719 | 271A | 271B | 271C | 271D |
| | | | | | | | | | |
| 271E | 271F | 2720 | 2721 | 2722 | 2723 | 2724 | 2725 | 2726 | 2727 |
| | | | | | | | | | |
| 2728 | 2729 | 272A | 272B | 272C | 272D | 272E | 272F | 2730 | 2731 |
| | | | | | | | | | |
| 2732 | 2733 | 2734 | 2735 | 2736 | 2737 | 2738 | 2739 | 273A | 273B |
| | | | | | | | | | |
| 273C | 273D | 273E | 273F | 2740 | 2741 | 2742 | 2743 | 2744 | 2745 |
| | | | | | | | | | |
| 2746 | 2747 | 2748 | 2749 | 274A | 274B | 274C | 274D | 274E | 274F |
| | | | | | | | | | |
| 2750 | 2751 | 2752 | 2753 | 2754 | 2755 | 2756 | 2757 | 2758 | 2759 |
| | | | | | | | | | |
| 275A | 275B | 275C | 275D | 275E | 275F | 2760 | 2761 | 2762 | 2763 |
| | | | | | | | | | |
| 2764 | 2765 | 2766 | 2767 | 2768 | 2769 | 276A | 276B | 276C | 276D |
| | | | | | | | | | |
| 276E | 276F | 2770 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 | 2777 |
| | | | | | | | | | |
| 2778 | 2779 | 277A | 277B | 277C | 277D | 277E | 277F | 2780 | 2781 |
| | | | | | | | | | |
| 2782 | 2783 | 2784 | 2785 | 2786 | 2787 | 2788 | 2789 | 278A | 278B |
| | | | | | | | | | |
| 278C | 278D | 278E | 278F | 2790 | 2791 | 2792 | 2793 | 2794 | 2795 |
| | | | | | | | | | |
| 2796 | 2797 | 2798 | 2799 | 279A | 279B | 279C | 279D | 279E | 279F |
| | | | | | | | | | |
| 27A0 | 27A1 | 27A2 | 27A3 | 27A4 | 27A5 | 27A6 | 27A7 | 27A8 | 27A9 |
| | | | | | | | | | |
| 27AA | 27AB | 27AC | 27AD | 27AE | 27AF | 27B0 | 27B1 | 27B2 | 27B3 |
| | | | | | | | | | |
| 27B4 | 27B5 | 27B6 | 27B7 | 27B8 | 27B9 | 27BA | 27BB | 27BC | 27BD |
| | | | | | | | | | |
| 27BE | 27BF | | | | | | | | |

表 19: UTF-8 表情符号 16 进制编码 Emoji hexadecimal code

| | | | | | | | | | |
|---|---|---|---|---|---|--|---|---|---|
|  1F600 |  1F601 |  1F602 |  1F603 |  1F604 |  1F605 |  1F606 |  1F607 |  1F608 |  1F609 |
|  1F60A |  1F60B |  1F60C |  1F60D |  1F60E |  1F60F |  1F610 |  1F611 |  1F612 |  1F613 |
|  1F614 |  1F615 |  1F616 |  1F617 |  1F618 |  1F619 |  1F61A |  1F61B |  1F61C |  1F61D |
|  1F61E |  1F61F |  1F620 |  1F621 |  1F622 |  1F623 |  1F624 |  1F625 |  1F626 |  1F627 |
|  1F628 |  1F629 |  1F62A |  1F62B |  1F62C |  1F62D |  1F62E |  1F62F |  1F630 |  1F631 |
|  1F632 |  1F633 |  1F634 |  1F635 |  1F636 |  1F637 |  1F638 |  1F639 |  1F63A |  1F63B |
|  1F63C |  1F63D |  1F63E |  1F63F |  1F640 |  1F641 |  1F642 |  1F643 |  1F644 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  1F300 |  1F301 |  1F302 |  1F303 |  1F304 |  1F305 |  1F306 |  1F307 |  1F308 |  1F309 |
|  1F30A |  1F30B |  1F30C |  1F30D |  1F30E |  1F30F |  1F310 |  1F311 |  1F312 |  1F313 |
|  1F314 |  1F315 |  1F316 |  1F317 |  1F318 |  1F319 |  1F31A |  1F31B |  1F31C |  1F31D |
|  1F31E |  1F31F |  1F320 |  1F321 |  1F322 |  1F323 |  1F324 |  1F325 |  1F326 |  1F327 |
|  1F328 |  1F329 |  1F32A |  1F32B |  1F32C |  1F32D |  1F32E |  1F32F |  1F330 |  1F331 |
|  1F332 |  1F333 |  1F334 |  1F335 |  1F336 |  1F337 |  1F338 |  1F339 |  1F33A |  1F33B |
|  1F33C |  1F33D |  1F33E |  1F33F |  1F340 |  1F341 |  1F342 |  1F343 |  1F344 |  1F345 |
|  1F346 |  1F347 |  1F348 |  1F349 |  1F34A |  1F34B |  1F34C |  1F34D |  1F34E |  1F34F |
|  1F350 |  1F351 |  1F352 |  1F353 |  1F354 |  1F355 |  1F356 |  1F357 |  1F358 |  1F359 |
|  1F35A |  1F35B |  1F35C |  1F35D |  1F35E |  1F35F |  1F360 |  1F361 |  1F362 |  1F363 |
|  1F364 |  1F365 |  1F366 |  1F367 |  1F368 |  1F369 |  1F36A |  1F36B |  1F36C |  1F36D |
|  1F36E |  1F36F |  1F370 |  1F371 |  1F372 |  1F373 |  1F374 |  1F375 |  1F376 |  1F377 |
|  1F378 |  1F379 |  1F37A |  1F37B |  1F37C |  1F37D |  1F37E |  1F37F |  1F380 |  1F381 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  1F382 |  1F383 |  1F384 |  1F385 |  1F386 |  1F387 |  1F388 |  1F389 |  1F38A |  1F38B |
|  1F38C |  1F38D |  1F38E |  1F38F |  1F390 |  1F391 |  1F392 |  1F393 |  1F394 |  1F395 |
|  1F396 |  1F397 |  1F398 |  1F399 |  1F39A |  1F39B |  1F39C |  1F39D |  1F39E |  1F39F |
|  1F3A0 |  1F3A1 |  1F3A2 |  1F3A3 |  1F3A4 |  1F3A5 |  1F3A6 |  1F3A7 |  1F3A8 |  1F3A9 |
|  1F3AA |  1F3AB |  1F3AC |  1F3AD |  1F3AE |  1F3AF |  1F3B0 |  1F3B1 |  1F3B2 |  1F3B3 |
|  1F3B4 |  1F3B5 |  1F3B6 |  1F3B7 |  1F3B8 |  1F3B9 |  1F3BA |  1F3BB |  1F3BC |  1F3BD |
|  1F3BE |  1F3BF |  1F3C0 |  1F3C1 |  1F3C2 |  1F3C3 |  1F3C4 |  1F3C5 |  1F3C6 |  1F3C7 |
|  1F3C8 |  1F3C9 |  1F3CA |  1F3CB |  1F3CC |  1F3CD |  1F3CE |  1F3CF |  1F3D0 |  1F3D1 |
|  1F3D2 |  1F3D3 |  1F3D4 |  1F3D5 |  1F3D6 |  1F3D7 |  1F3D8 |  1F3D9 |  1F3DA |  1F3DB |
|  1F3DC |  1F3DD |  1F3DE |  1F3DF |  1F3E0 |  1F3E1 |  1F3E2 |  1F3E3 |  1F3E4 |  1F3E5 |
|  1F3E6 |  1F3E7 |  1F3E8 |  1F3E9 |  1F3EA |  1F3EB |  1F3EC |  1F3ED |  1F3EE |  1F3EF |
|  1F3F0 |  1F3F1 |  1F3F2 |  1F3F3 |  1F3F4 |  1F3F5 |  1F3F6 |  1F3F7 |  1F3F8 |  1F3F9 |
|  1F3FA |  1F3FB |  1F3FC |  1F3FD |  1F3FE |  1F3FF |  1F400 |  1F401 |  1F402 |  1F403 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  1F404 |  1F405 |  1F406 |  1F407 |  1F408 |  1F409 |  1F40A |  1F40B |  1F40C |  1F40D |
|  1F40E |  1F40F |  1F410 |  1F411 |  1F412 |  1F413 |  1F414 |  1F415 |  1F416 |  1F417 |
|  1F418 |  1F419 |  1F41A |  1F41B |  1F41C |  1F41D |  1F41E |  1F41F |  1F420 |  1F421 |
|  1F422 |  1F423 |  1F424 |  1F425 |  1F426 |  1F427 |  1F428 |  1F429 |  1F42A |  1F42B |
|  1F42C |  1F42D |  1F42E |  1F42F |  1F430 |  1F431 |  1F432 |  1F433 |  1F434 |  1F435 |
|  1F436 |  1F437 |  1F438 |  1F439 |  1F43A |  1F43B |  1F43C |  1F43D |  1F43E |  1F43F |
|  1F440 |  1F441 |  1F442 |  1F443 |  1F444 |  1F445 |  1F446 |  1F447 |  1F448 |  1F449 |
|  1F44A |  1F44B |  1F44C |  1F44D |  1F44E |  1F44F |  1F450 |  1F451 |  1F452 |  1F453 |

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1F454 | 1F455 | 1F456 | 1F457 | 1F458 | 1F459 | 1F45A | 1F45B | 1F45C | 1F45D |
| 1F45E | 1F45F | 1F460 | 1F461 | 1F462 | 1F463 | 1F464 | 1F465 | 1F466 | 1F467 |
| 1F468 | 1F469 | 1F46A | 1F46B | 1F46C | 1F46D | 1F46E | 1F46F | 1F470 | 1F471 |
| 1F472 | 1F473 | 1F474 | 1F475 | 1F476 | 1F477 | 1F478 | 1F479 | 1F47A | 1F47B |
| 1F47C | 1F47D | 1F47E | 1F47F | 1F480 | 1F481 | 1F482 | 1F483 | 1F484 | 1F485 |
| 1F486 | 1F487 | 1F488 | 1F489 | 1F48A | 1F48B | 1F48C | 1F48D | 1F48E | 1F48F |
| 1F490 | 1F491 | 1F492 | 1F493 | 1F494 | 1F495 | 1F496 | 1F497 | 1F498 | 1F499 |
| 1F49A | 1F49B | 1F49C | 1F49D | 1F49E | 1F49F | 1F4A0 | 1F4A1 | 1F4A2 | 1F4A3 |
| 1F4A4 | 1F4A5 | 1F4A6 | 1F4A7 | 1F4A8 | 1F4A9 | 1F4AA | 1F4AB | 1F4AC | 1F4AD |
| 1F4AE | 1F4AF | 1F4B0 | 1F4B1 | 1F4B2 | 1F4B3 | 1F4B4 | 1F4B5 | 1F4B6 | 1F4B7 |
| 1F4B8 | 1F4B9 | 1F4BA | 1F4BB | 1F4BC | 1F4BD | 1F4BE | 1F4BF | 1F4C0 | 1F4C1 |
| 1F4C2 | 1F4C3 | 1F4C4 | 1F4C5 | 1F4C6 | 1F4C7 | 1F4C8 | 1F4C9 | 1F4CA | 1F4CB |
| 1F4CC | 1F4CD | 1F4CE | 1F4CF | 1F4D0 | 1F4D1 | 1F4D2 | 1F4D3 | 1F4D4 | 1F4D5 |
| 1F4D6 | 1F4D7 | 1F4D8 | 1F4D9 | 1F4DA | 1F4DB | 1F4DC | 1F4DD | 1F4DE | 1F4DF |
| 1F4E0 | 1F4E1 | 1F4E2 | 1F4E3 | 1F4E4 | 1F4E5 | 1F4E6 | 1F4E7 | 1F4E8 | 1F4E9 |
| 1F4EA | 1F4EB | 1F4EC | 1F4ED | 1F4EE | 1F4EF | 1F4F0 | 1F4F1 | 1F4F2 | 1F4F3 |
| 1F4F4 | 1F4F5 | 1F4F6 | 1F4F7 | 1F4F8 | 1F4F9 | 1F4FA | 1F4FB | 1F4FC | 1F4FD |
| 1F4FE | 1F4FF | 1F500 | 1F501 | 1F502 | 1F503 | 1F504 | 1F505 | 1F506 | 1F507 |