

NAME

koi8-u – Ukrainian character set encoded in octal, decimal, and hexadecimal

DESCRIPTION

RFC 2310 defines an 8-bit character set, KOI8-U. KOI8-U encodes the characters used in Ukrainian and Byelorussian.

KOI8-U characters

The following table displays the characters in KOI8-U that are printable and unlisted in the **ascii(7)** manual page.

| Oct | Dec | Hex | Char | Description |
|-----|-----|-----|------|---|
| 200 | 128 | 80 | | BOX DRAWINGS LIGHT HORIZONTAL |
| 201 | 129 | 81 | | BOX DRAWINGS LIGHT VERTICAL |
| 202 | 130 | 82 | | BOX DRAWINGS LIGHT DOWN AND RIGHT |
| 203 | 131 | 83 | | BOX DRAWINGS LIGHT DOWN AND LEFT |
| 204 | 132 | 84 | | BOX DRAWINGS LIGHT UP AND RIGHT |
| 205 | 133 | 85 | | BOX DRAWINGS LIGHT UP AND LEFT |
| 206 | 134 | 86 | | BOX DRAWINGS LIGHT VERTICAL AND RIGHT |
| 207 | 135 | 87 | | BOX DRAWINGS LIGHT VERTICAL AND LEFT |
| 210 | 136 | 88 | | BOX DRAWINGS LIGHT DOWN AND HORIZONTAL |
| 211 | 137 | 89 | | BOX DRAWINGS LIGHT UP AND HORIZONTAL |
| 212 | 138 | 8A | | BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL |
| 213 | 139 | 8B | | UPPER HALF BLOCK |
| 214 | 140 | 8C | | LOWER HALF BLOCK |
| 215 | 141 | 8D | | FULL BLOCK |
| 216 | 142 | 8E | | LEFT HALF BLOCK |
| 217 | 143 | 8F | | RIGHT HALF BLOCK |
| 220 | 144 | 90 | | LIGHT SHADE |
| 221 | 145 | 91 | | MEDIUM SHADE |
| 222 | 146 | 92 | | DARK SHADE |
| 223 | 147 | 93 | ∫ | TOP HALF INTEGRAL |
| 224 | 148 | 94 | | BLACK SQUARE |
| 225 | 149 | 95 | | BULLET OPERATOR |
| 226 | 150 | 96 | √ | SQUARE ROOT |
| 227 | 151 | 97 | ≈ | ALMOST EQUAL TO |
| 230 | 152 | 98 | ≤ | LESS-THAN OR EQUAL TO |
| 231 | 153 | 99 | ≥ | GREATER-THAN OR EQUAL TO |
| 232 | 154 | 9A | | NO-BREAK SPACE |
| 233 | 155 | 9B | ∫ | BOTTOM HALF INTEGRAL |
| 234 | 156 | 9C | ° | DEGREE SIGN |
| 235 | 157 | 9D | ² | SUPERSCRIP TWO |
| 236 | 158 | 9E | · | MIDDLE DOT |
| 237 | 159 | 9F | ÷ | DIVISION SIGN |
| 240 | 160 | A0 | | BOX DRAWINGS DOUBLE HORIZONTAL |
| 241 | 161 | A1 | | BOX DRAWINGS DOUBLE VERTICAL |
| 242 | 162 | A2 | | BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE |
| 243 | 163 | A3 | | CYRILLIC SMALL LETTER IO |
| 244 | 164 | A4 | | CYRILLIC SMALL LETTER UKRAINIAN IE |
| 245 | 165 | A5 | | BOX DRAWINGS DOUBLE DOWN AND RIGHT |
| 246 | 166 | A6 | | CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I |
| 247 | 167 | A7 | | CYRILLIC SMALL LETTER YI (Ukrainian) |
| 250 | 168 | A8 | | BOX DRAWINGS DOUBLE DOWN AND LEFT |
| 251 | 169 | A9 | | BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE |

| | | | |
|-----|-----|----|---|
| 252 | 170 | AA | BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE |
| 253 | 171 | AB | BOX DRAWINGS DOUBLE UP AND RIGHT |
| 254 | 172 | AC | BOX DRAWINGS UP SINGLE AND LEFT DOUBLE |
| 255 | 173 | AD | CYRILLIC SMALL LETTER GHE WITH UPTURN |
| 256 | 174 | AE | BOX DRAWINGS DOUBLE UP AND LEFT |
| 257 | 175 | AF | BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE |
| 260 | 176 | B0 | BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE |
| 261 | 177 | B1 | BOX DRAWINGS DOUBLE VERTICAL AND RIGHT |
| 262 | 178 | B2 | BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE |
| 263 | 179 | B3 | CYRILLIC CAPITAL LETTER IO |
| 264 | 180 | B4 | CYRILLIC CAPITAL LETTER UKRAINIAN IE |
| 265 | 181 | B5 | BOX DRAWINGS DOUBLE VERTICAL AND LEFT |
| 266 | 182 | B6 | CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I |
| 267 | 183 | B7 | CYRILLIC CAPITAL LETTER YI (Ukrainian) |
| 270 | 184 | B8 | BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL |
| 271 | 185 | B9 | BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE |
| 272 | 186 | BA | BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE |
| 273 | 187 | BB | BOX DRAWINGS DOUBLE UP AND HORIZONTAL |
| 274 | 188 | BC | BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE |
| 275 | 189 | BD | CYRILLIC CAPITAL LETTER GHE WITH UPTURN |
| 276 | 190 | BE | BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL |
| 277 | 191 | BF | © COPYRIGHT SIGN |
| 300 | 192 | C0 | CYRILLIC SMALL LETTER YU |
| 301 | 193 | C1 | CYRILLIC SMALL LETTER A |
| 302 | 194 | C2 | CYRILLIC SMALL LETTER BE |
| 303 | 195 | C3 | CYRILLIC SMALL LETTER TSE |
| 304 | 196 | C4 | CYRILLIC SMALL LETTER DE |
| 305 | 197 | C5 | CYRILLIC SMALL LETTER IE |
| 306 | 198 | C6 | CYRILLIC SMALL LETTER EF |
| 307 | 199 | C7 | CYRILLIC SMALL LETTER GHE |
| 310 | 200 | C8 | CYRILLIC SMALL LETTER HA |
| 311 | 201 | C9 | CYRILLIC SMALL LETTER I |
| 312 | 202 | CA | CYRILLIC SMALL LETTER SHORT I |
| 313 | 203 | CB | CYRILLIC SMALL LETTER KA |
| 314 | 204 | CC | CYRILLIC SMALL LETTER EL |
| 315 | 205 | CD | CYRILLIC SMALL LETTER EM |
| 316 | 206 | CE | CYRILLIC SMALL LETTER EN |
| 317 | 207 | CF | CYRILLIC SMALL LETTER O |
| 320 | 208 | D0 | CYRILLIC SMALL LETTER PE |
| 321 | 209 | D1 | CYRILLIC SMALL LETTER YA |
| 322 | 210 | D2 | CYRILLIC SMALL LETTER ER |
| 323 | 211 | D3 | CYRILLIC SMALL LETTER ES |
| 324 | 212 | D4 | CYRILLIC SMALL LETTER TE |
| 325 | 213 | D5 | CYRILLIC SMALL LETTER U |
| 326 | 214 | D6 | CYRILLIC SMALL LETTER ZHE |
| 327 | 215 | D7 | CYRILLIC SMALL LETTER VE |
| 330 | 216 | D8 | CYRILLIC SMALL LETTER SOFT SIGN |
| 331 | 217 | D9 | CYRILLIC SMALL LETTER YERU |
| 332 | 218 | DA | CYRILLIC SMALL LETTER ZE |
| 333 | 219 | DB | CYRILLIC SMALL LETTER SHA |
| 334 | 220 | DC | CYRILLIC SMALL LETTER E |

| | | | |
|-----|-----|----|-----------------------------------|
| 335 | 221 | DD | CYRILLIC SMALL LETTER SHCHA |
| 336 | 222 | DE | CYRILLIC SMALL LETTER CHE |
| 337 | 223 | DF | CYRILLIC SMALL LETTER HARD SIGN |
| 340 | 224 | E0 | CYRILLIC CAPITAL LETTER YU |
| 341 | 225 | E1 | CYRILLIC CAPITAL LETTER A |
| 342 | 226 | E2 | CYRILLIC CAPITAL LETTER BE |
| 343 | 227 | E3 | CYRILLIC CAPITAL LETTER TSE |
| 344 | 228 | E4 | CYRILLIC CAPITAL LETTER DE |
| 345 | 229 | E5 | CYRILLIC CAPITAL LETTER IE |
| 346 | 230 | E6 | CYRILLIC CAPITAL LETTER EF |
| 347 | 231 | E7 | CYRILLIC CAPITAL LETTER GHE |
| 350 | 232 | E8 | CYRILLIC CAPITAL LETTER HA |
| 351 | 233 | E9 | CYRILLIC CAPITAL LETTER I |
| 352 | 234 | EA | CYRILLIC CAPITAL LETTER SHORT I |
| 353 | 235 | EB | CYRILLIC CAPITAL LETTER KA |
| 354 | 236 | EC | CYRILLIC CAPITAL LETTER EL |
| 355 | 237 | ED | CYRILLIC CAPITAL LETTER EM |
| 356 | 238 | EE | CYRILLIC CAPITAL LETTER EN |
| 357 | 239 | EF | CYRILLIC CAPITAL LETTER O |
| 360 | 240 | F0 | CYRILLIC CAPITAL LETTER PE |
| 361 | 241 | F1 | CYRILLIC CAPITAL LETTER YA |
| 362 | 242 | F2 | CYRILLIC CAPITAL LETTER ER |
| 363 | 243 | F3 | CYRILLIC CAPITAL LETTER ES |
| 364 | 244 | F4 | CYRILLIC CAPITAL LETTER TE |
| 365 | 245 | F5 | CYRILLIC CAPITAL LETTER U |
| 366 | 246 | F6 | CYRILLIC CAPITAL LETTER ZHE |
| 367 | 247 | F7 | CYRILLIC CAPITAL LETTER VE |
| 370 | 248 | F8 | CYRILLIC CAPITAL LETTER SOFT SIGN |
| 371 | 249 | F9 | CYRILLIC CAPITAL LETTER YERU |
| 372 | 250 | FA | CYRILLIC CAPITAL LETTER ZE |
| 373 | 251 | FB | CYRILLIC CAPITAL LETTER SHA |
| 374 | 252 | FC | CYRILLIC CAPITAL LETTER E |
| 375 | 253 | FD | CYRILLIC CAPITAL LETTER SHCHA |
| 376 | 254 | FE | CYRILLIC CAPITAL LETTER CHE |
| 377 | 255 | FF | CYRILLIC CAPITAL LETTER HARD SIGN |

NOTES

The differences from KOI8-R are in the hex positions A4, A6, A7, AD, B4, B6, B7, and BD.

SEE ALSO

ascii(7), **charsets(7)**, **cp1251(7)**, **iso_8859-5(7)**, **koi8-r(7)**, **utf-8(7)**