# Character sets

# ANSI character set and equivalent Unicode and HTML characters

| ANSI | MACROMAN | DIFFERENCES | WGL4 | SYMBOL | WINGDINGS | WINGDINGS 2 |
|------|----------|-------------|------|--------|-----------|-------------|

The ANSI set of 217 characters, also known as Windows-1252, was the standard for the core fonts supplied with US versions of Microsoft Windows up to and including Windows 95 and Windows NT 4. During the lifetime of those two products, Microsoft added the euro currency symbol bringing the number of characters to 218, and introduced a new core set of Pan-European fonts containing the WGL4 (Windows Glyph List 4) character set, with 652 characters.

If you use an old, non-Unicode version of Windows that was designed for a non-Latin alphabet such as Arabic, Cyrillic, Greek, Hebrew or Thai to view a document that has been typed using the ANSI character set, then characters from these languages may replace some of those in the 128–255 range; this problem has mostly been resolved now that Unicode is widely used, because it provides a unique numeric identifier for each character. There were similar problems when transferring ANSI documents to DOS or Macintosh computers, because DOS and MacRoman arrange characters differently in the 128–255 range.

ANSI characters 32 to 127 correspond to those in the 7-bit ASCII character set, which forms the Basic Latin Unicode character range. Characters 160–255 correspond to those in the Latin-1 Supplement Unicode character range. Positions 128–159 in Latin-1 Supplement are reserved for controls, but most of them are used for printable characters in ANSI; the Unicode equivalents are noted in the table below. Entries in the "Entity" column are character entity references that can be used in HTML and should be interpreted correctly by Web browsers that support HTML 4.0.

The characters that appear in the first column of the following table are generated from Unicode numeric character references, and so they should appear correctly in any Web browser that supports Unicode and that has suitable fonts available, regardless of the operating system.

| Character | ANSI Number | Unicode Number | ANSI Hex | Unicode Hex | HTML 4.0 Entity | Unicode Name | Unicode Range |
|-----------|-------------|----------------|----------|-------------|-----------------|--------------|---------------|
| ' ' | 32 | 32 | 0x20 | U+0020 | | space | Basic Latin |
| ! | 33 | 33 | 0x21 | U+0021 | | exclamation mark | Basic Latin |
| " | 34 | 34 | 0x22 | U+0022 | &quot; | quotation mark | Basic Latin |
| # | 35 | 35 | 0x23 | U+0023 | | number sign | Basic Latin |
| $ | 36 | 36 | 0x24 | U+0024 | | dollar sign | Basic Latin |
| % | 37 | 37 | 0x25 | U+0025 | | percent sign | Basic Latin |
| | 38 | 38 | 0x26 | U+0026 | &amp; | ampersand | Basic Latin |

| & | | | | | | | |
|---|---|---|---|---|---|---|---|
| ' | 39 | 39 | 0x27 | U+0027 | | apostrophe | Basic Latin |
| ( | 40 | 40 | 0x28 | U+0028 | | left parenthesis | Basic Latin |
| ) | 41 | 41 | 0x29 | U+0029 | | right parenthesis | Basic Latin |
| * | 42 | 42 | 0x2A | U+002A | | asterisk | Basic Latin |
| + | 43 | 43 | 0x2B | U+002B | | plus sign | Basic Latin |
| , | 44 | 44 | 0x2C | U+002C | | comma | Basic Latin |
| - | 45 | 45 | 0x2D | U+002D | | hyphen-minus | Basic Latin |
| . | 46 | 46 | 0x2E | U+002E | | full stop | Basic Latin |
| / | 47 | 47 | 0x2F | U+002F | | solidus | Basic Latin |
| 0 | 48 | 48 | 0x30 | U+0030 | | digit zero | Basic Latin |
| 1 | 49 | 49 | 0x31 | U+0031 | | digit one | Basic Latin |
| 2 | 50 | 50 | 0x32 | U+0032 | | digit two | Basic Latin |
| 3 | 51 | 51 | 0x33 | U+0033 | | digit three | Basic Latin |
| 4 | 52 | 52 | 0x34 | U+0034 | | digit four | Basic Latin |
| 5 | 53 | 53 | 0x35 | U+0035 | | digit five | Basic Latin |
| 6 | 54 | 54 | 0x36 | U+0036 | | digit six | Basic Latin |
| 7 | 55 | 55 | 0x37 | U+0037 | | digit seven | Basic Latin |
| 8 | 56 | 56 | 0x38 | U+0038 | | digit eight | Basic Latin |
| 9 | 57 | 57 | 0x39 | U+0039 | | digit nine | Basic Latin |
| : | 58 | 58 | 0x3A | U+003A | | colon | Basic Latin |
| ; | 59 | 59 | 0x3B | U+003B | | semicolon | Basic Latin |
| < | 60 | 60 | 0x3C | U+003C | &lt; | less-than sign | Basic Latin |
| = | 61 | 61 | 0x3D | U+003D | | equals sign | Basic Latin |

| > | 62 | 62 | 0x3E | U+003E | &gt; | greater-than sign | Basic Latin |
|---|----|----|------|--------|------|-------------------|-------------|
| ? | 63 | 63 | 0x3F | U+003F | | question mark | Basic Latin |
| @ | 64 | 64 | 0x40 | U+0040 | | commercial at | Basic Latin |
| A | 65 | 65 | 0x41 | U+0041 | | Latin capital letter A | Basic Latin |
| B | 66 | 66 | 0x42 | U+0042 | | Latin capital letter B | Basic Latin |
| C | 67 | 67 | 0x43 | U+0043 | | Latin capital letter C | Basic Latin |
| D | 68 | 68 | 0x44 | U+0044 | | Latin capital letter D | Basic Latin |
| E | 69 | 69 | 0x45 | U+0045 | | Latin capital letter E | Basic Latin |
| F | 70 | 70 | 0x46 | U+0046 | | Latin capital letter F | Basic Latin |
| G | 71 | 71 | 0x47 | U+0047 | | Latin capital letter G | Basic Latin |
| H | 72 | 72 | 0x48 | U+0048 | | Latin capital letter H | Basic Latin |
| I | 73 | 73 | 0x49 | U+0049 | | Latin capital letter I | Basic Latin |
| J | 74 | 74 | 0x4A | U+004A | | Latin capital letter J | Basic Latin |
| K | 75 | 75 | 0x4B | U+004B | | Latin capital letter K | Basic Latin |
| L | 76 | 76 | 0x4C | U+004C | | Latin capital letter L | Basic Latin |
| M | 77 | 77 | 0x4D | U+004D | | Latin capital letter M | Basic Latin |
| N | 78 | 78 | 0x4E | U+004E | | Latin capital letter N | Basic Latin |
| O | 79 | 79 | 0x4F | U+004F | | Latin capital letter O | Basic Latin |
| P | 80 | 80 | 0x50 | U+0050 | | Latin capital letter P | Basic Latin |
| Q | 81 | 81 | 0x51 | U+0051 | | Latin capital letter Q | Basic Latin |
| R | 82 | 82 | 0x52 | U+0052 | | Latin capital letter R | Basic Latin |
| S | 83 | 83 | 0x53 | U+0053 | | Latin capital letter S | Basic Latin |
| T | 84 | 84 | 0x54 | U+0054 | | Latin capital letter T | Basic Latin |
| U | 85 | 85 | 0x55 | U+0055 | | Latin capital letter U | Basic Latin |

| V | 86 | 86 | 0x56 | U+0056 | | Latin capital letter V | Basic Latin |
|---|----|----|------|--------|--|------------------------|-------------|
| W | 87 | 87 | 0x57 | U+0057 | | Latin capital letter W | Basic Latin |
| X | 88 | 88 | 0x58 | U+0058 | | Latin capital letter X | Basic Latin |
| Y | 89 | 89 | 0x59 | U+0059 | | Latin capital letter Y | Basic Latin |
| Z | 90 | 90 | 0x5A | U+005A | | Latin capital letter Z | Basic Latin |
| [ | 91 | 91 | 0x5B | U+005B | | left square bracket | Basic Latin |
| \ | 92 | 92 | 0x5C | U+005C | | reverse solidus | Basic Latin |
| ] | 93 | 93 | 0x5D | U+005D | | right square bracket | Basic Latin |
| ^ | 94 | 94 | 0x5E | U+005E | | circumflex accent | Basic Latin |
| _ | 95 | 95 | 0x5F | U+005F | | low line | Basic Latin |
| ` | 96 | 96 | 0x60 | U+0060 | | grave accent | Basic Latin |
| a | 97 | 97 | 0x61 | U+0061 | | Latin small letter a | Basic Latin |
| b | 98 | 98 | 0x62 | U+0062 | | Latin small letter b | Basic Latin |
| c | 99 | 99 | 0x63 | U+0063 | | Latin small letter c | Basic Latin |
| d | 100 | 100 | 0x64 | U+0064 | | Latin small letter d | Basic Latin |
| e | 101 | 101 | 0x65 | U+0065 | | Latin small letter e | Basic Latin |
| f | 102 | 102 | 0x66 | U+0066 | | Latin small letter f | Basic Latin |
| g | 103 | 103 | 0x67 | U+0067 | | Latin small letter g | Basic Latin |
| h | 104 | 104 | 0x68 | U+0068 | | Latin small letter h | Basic Latin |
| i | 105 | 105 | 0x69 | U+0069 | | Latin small letter i | Basic Latin |
| j | 106 | 106 | 0x6A | U+006A | | Latin small letter j | Basic Latin |
| k | 107 | 107 | 0x6B | U+006B | | Latin small letter k | Basic Latin |
| l | 108 | 108 | 0x6C | U+006C | | Latin small letter l | Basic Latin |
| m | 109 | 109 | 0x6D | U+006D | | Latin small letter m | Basic Latin |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| n | 110 | 110 | 0x6E | U+006E | | Latin small letter n | Basic Latin |
| o | 111 | 111 | 0x6F | U+006F | | Latin small letter o | Basic Latin |
| p | 112 | 112 | 0x70 | U+0070 | | Latin small letter p | Basic Latin |
| q | 113 | 113 | 0x71 | U+0071 | | Latin small letter q | Basic Latin |
| r | 114 | 114 | 0x72 | U+0072 | | Latin small letter r | Basic Latin |
| s | 115 | 115 | 0x73 | U+0073 | | Latin small letter s | Basic Latin |
| t | 116 | 116 | 0x74 | U+0074 | | Latin small letter t | Basic Latin |
| u | 117 | 117 | 0x75 | U+0075 | | Latin small letter u | Basic Latin |
| v | 118 | 118 | 0x76 | U+0076 | | Latin small letter v | Basic Latin |
| w | 119 | 119 | 0x77 | U+0077 | | Latin small letter w | Basic Latin |
| x | 120 | 120 | 0x78 | U+0078 | | Latin small letter x | Basic Latin |
| y | 121 | 121 | 0x79 | U+0079 | | Latin small letter y | Basic Latin |
| z | 122 | 122 | 0x7A | U+007A | | Latin small letter z | Basic Latin |
| { | 123 | 123 | 0x7B | U+007B | | left curly bracket | Basic Latin |
| | | 124 | 124 | 0x7C | U+007C | | vertical line | Basic Latin |
| } | 125 | 125 | 0x7D | U+007D | | right curly bracket | Basic Latin |
| ~ | 126 | 126 | 0x7E | U+007E | | tilde | Basic Latin |
| | 127 | 127 | 0x7F | U+007F | | (not used) | |
| € | 128 | 8364 | 0x80 | U+20AC | &euro; | euro sign | Currency Symbols |
| | 129 | 129 | 0x81 | U+0081 | | (not used) | |
| ‚ | 130 | 8218 | 0x82 | U+201A | &sbquo; | single low-9 quotation mark | General Punctuation |
| ƒ | 131 | 402 | 0x83 | U+0192 | &fnof; | Latin small letter f with hook | Latin Extended-B |
| „ | 132 | 8222 | 0x84 | U+201E | &bdquo; | double low-9 quotation mark | General Punctuation |

| | | | | | | |
|---|---|---|---|---|---|---|
| … | 133 | 8230 | 0x85 | U+2026 | &hellip; | horizontal ellipsis | General Punctuation |
| † | 134 | 8224 | 0x86 | U+2020 | &dagger; | dagger | General Punctuation |
| ‡ | 135 | 8225 | 0x87 | U+2021 | &Dagger; | double dagger | General Punctuation |
| ˆ | 136 | 710 | 0x88 | U+02C6 | &circ; | modifier letter circumflex accent | Spacing Modifier Letters |
| ‰ | 137 | 8240 | 0x89 | U+2030 | &permil; | per mille sign | General Punctuation |
| Š | 138 | 352 | 0x8A | U+0160 | &Scaron; | Latin capital letter S with caron | Latin Extended-A |
| ‹ | 139 | 8249 | 0x8B | U+2039 | &lsaquo; | single left-pointing angle quotation mark | General Punctuation |
| Œ | 140 | 338 | 0x8C | U+0152 | &OElig; | Latin capital ligature OE | Latin Extended-A |
| | 141 | 141 | 0x8D | U+008D | | (not used) | |
| Ž | 142 | 381 | 0x8E | U+017D | | Latin capital letter Z with caron | Latin Extended-A |
| | 143 | 143 | 0x8F | U+008F | | (not used) | |
| | 144 | 144 | 0x90 | U+0090 | | (not used) | |
| ' | 145 | 8216 | 0x91 | U+2018 | &lsquo; | left single quotation mark | General Punctuation |
| ' | 146 | 8217 | 0x92 | U+2019 | &rsquo; | right single quotation mark | General Punctuation |
| " | 147 | 8220 | 0x93 | U+201C | &ldquo; | left double quotation mark | General Punctuation |
| " | 148 | 8221 | 0x94 | U+201D | &rdquo; | right double quotation mark | General Punctuation |
| • | 149 | 8226 | 0x95 | U+2022 | &bull; | bullet | General Punctuation |
| – | 150 | 8211 | 0x96 | U+2013 | &ndash; | en dash | General Punctuation |
| — | 151 | 8212 | 0x97 | U+2014 | &mdash; | em dash | General Punctuation |
| ~ | 152 | 732 | 0x98 | U+02DC | &tilde; | small tilde | Spacing Modifier |

| | | | | | | Letters |
|---|---|---|---|---|---|---|
| ™ | 153 | 8482 | 0x99 | U+2122 | &trade; | trade mark sign | Letterlike Symbols |
| š | 154 | 353 | 0x9A | U+0161 | &scaron; | Latin small letter s with caron | Latin Extended-A |
| › | 155 | 8250 | 0x9B | U+203A | &rsaquo; | single right-pointing angle quotation mark | General Punctuation |
| œ | 156 | 339 | 0x9C | U+0153 | &oelig; | Latin small ligature oe | Latin Extended-A |
| | 157 | 157 | 0x9D | U+009D | | (not used) | |
| ž | 158 | 382 | 0x9E | U+017E | | Latin small letter z with caron | Latin Extended-A |
| Ÿ | 159 | 376 | 0x9F | U+0178 | &Yuml; | Latin capital letter Y with diaeresis | Latin Extended-A |
| | 160 | 160 | 0xA0 | U+00A0 |   | no-break space | Latin-1 Supplement |
| ¡ | 161 | 161 | 0xA1 | U+00A1 | &iexcl; | inverted exclamation mark | Latin-1 Supplement |
| ¢ | 162 | 162 | 0xA2 | U+00A2 | &cent; | cent sign | Latin-1 Supplement |
| £ | 163 | 163 | 0xA3 | U+00A3 | &pound; | pound sign | Latin-1 Supplement |
| ¤ | 164 | 164 | 0xA4 | U+00A4 | &curren; | currency sign | Latin-1 Supplement |
| ¥ | 165 | 165 | 0xA5 | U+00A5 | &yen; | yen sign | Latin-1 Supplement |
| ¦ | 166 | 166 | 0xA6 | U+00A6 | &brvbar; | broken bar | Latin-1 Supplement |
| § | 167 | 167 | 0xA7 | U+00A7 | &sect; | section sign | Latin-1 Supplement |
| ¨ | 168 | 168 | 0xA8 | U+00A8 | &uml; | diaeresis | Latin-1 Supplement |
| © | 169 | 169 | 0xA9 | U+00A9 | &copy; | copyright sign | Latin-1 Supplement |
| a | 170 | 170 | 0xAA | U+00AA | &ordf; | feminine ordinal indicator | Latin-1 Supplement |
| « | 171 | 171 | 0xAB | U+00AB | &laquo; | left-pointing double angle quotation mark | Latin-1 Supplement |

| ¬ | 172 | 172 | 0xAC | U+00AC | &not; | not sign | Latin-1 Supplement |
|---|---|---|---|---|---|---|---|
|  | 173 | 173 | 0xAD | U+00AD | &shy; | soft hyphen | Latin-1 Supplement |
| ® | 174 | 174 | 0xAE | U+00AE | &reg; | registered sign | Latin-1 Supplement |
| ¯ | 175 | 175 | 0xAF | U+00AF | &macr; | macron | Latin-1 Supplement |
| ° | 176 | 176 | 0xB0 | U+00B0 | &deg; | degree sign | Latin-1 Supplement |
| ± | 177 | 177 | 0xB1 | U+00B1 | &plusmn; | plus-minus sign | Latin-1 Supplement |
| 2 | 178 | 178 | 0xB2 | U+00B2 | &sup2; | superscript two | Latin-1 Supplement |
| 3 | 179 | 179 | 0xB3 | U+00B3 | &sup3; | superscript three | Latin-1 Supplement |
| ´ | 180 | 180 | 0xB4 | U+00B4 | &acute; | acute accent | Latin-1 Supplement |
| $\mu$ | 181 | 181 | 0xB5 | U+00B5 | &micro; | micro sign | Latin-1 Supplement |
| ¶ | 182 | 182 | 0xB6 | U+00B6 | &para; | pilcrow sign | Latin-1 Supplement |
| · | 183 | 183 | 0xB7 | U+00B7 | &middot; | middle dot | Latin-1 Supplement |
| ¸ | 184 | 184 | 0xB8 | U+00B8 | &cedil; | cedilla | Latin-1 Supplement |
| 1 | 185 | 185 | 0xB9 | U+00B9 | &sup1; | superscript one | Latin-1 Supplement |
| º | 186 | 186 | 0xBA | U+00BA | &ordm; | masculine ordinal indicator | Latin-1 Supplement |
| » | 187 | 187 | 0xBB | U+00BB | &raquo; | right-pointing double angle quotation mark | Latin-1 Supplement |
| ¼ | 188 | 188 | 0xBC | U+00BC | &frac14; | vulgar fraction one quarter | Latin-1 Supplement |
| ½ | 189 | 189 | 0xBD | U+00BD | &frac12; | vulgar fraction one half | Latin-1 Supplement |
| ¾ | 190 | 190 | 0xBE | U+00BE | &frac34; | vulgar fraction three quarters | Latin-1 Supplement |
| ¿ | 191 | 191 | 0xBF | U+00BF | &iquest; | inverted question mark | Latin-1 Supplement |

| À | 192 | 192 | 0xC0 | U+00C0 | &Agrave; | Latin capital letter A with grave | Latin-1 Supplement |
|---|-----|-----|------|--------|----------|-----------------------------------|--------------------|
| Á | 193 | 193 | 0xC1 | U+00C1 | &Aacute; | Latin capital letter A with acute | Latin-1 Supplement |
| Â | 194 | 194 | 0xC2 | U+00C2 | &Acirc; | Latin capital letter A with circumflex | Latin-1 Supplement |
| Ã | 195 | 195 | 0xC3 | U+00C3 | &Atilde; | Latin capital letter A with tilde | Latin-1 Supplement |
| Ä | 196 | 196 | 0xC4 | U+00C4 | &Auml; | Latin capital letter A with diaeresis | Latin-1 Supplement |
| Å | 197 | 197 | 0xC5 | U+00C5 | &Aring; | Latin capital letter A with ring above | Latin-1 Supplement |
| Æ | 198 | 198 | 0xC6 | U+00C6 | &AElig; | Latin capital letter AE | Latin-1 Supplement |
| Ç | 199 | 199 | 0xC7 | U+00C7 | &Ccedil; | Latin capital letter C with cedilla | Latin-1 Supplement |
| È | 200 | 200 | 0xC8 | U+00C8 | &Egrave; | Latin capital letter E with grave | Latin-1 Supplement |
| É | 201 | 201 | 0xC9 | U+00C9 | &Eacute; | Latin capital letter E with acute | Latin-1 Supplement |
| Ê | 202 | 202 | 0xCA | U+00CA | &Ecirc; | Latin capital letter E with circumflex | Latin-1 Supplement |
| Ë | 203 | 203 | 0xCB | U+00CB | &Euml; | Latin capital letter E with diaeresis | Latin-1 Supplement |
| Ì | 204 | 204 | 0xCC | U+00CC | &Igrave; | Latin capital letter I with grave | Latin-1 Supplement |
| Í | 205 | 205 | 0xCD | U+00CD | &Iacute; | Latin capital letter I with acute | Latin-1 Supplement |
| Î | 206 | 206 | 0xCE | U+00CE | &Icirc; | Latin capital letter I with circumflex | Latin-1 Supplement |
| Ï | 207 | 207 | 0xCF | U+00CF | &Iuml; | Latin capital letter I with diaeresis | Latin-1 Supplement |
| Ð | 208 | 208 | 0xD0 | U+00D0 | &ETH; | Latin capital letter Eth | Latin-1 Supplement |
| Ñ | 209 | 209 | 0xD1 | U+00D1 | &Ntilde; | Latin capital letter N with tilde | Latin-1 Supplement |
| Ò | 210 | 210 | 0xD2 | U+00D2 | &Ograve; | Latin capital letter O with grave | Latin-1 Supplement |
| Ó | 211 | 211 | 0xD3 | U+00D3 | &Oacute; | Latin capital letter O | Latin-1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | with acute | Supplement |
| Ô | 212 | 212 | 0xD4 | U+00D4 | &Ocirc; | Latin capital letter O with circumflex | Latin-1 Supplement |
| Õ | 213 | 213 | 0xD5 | U+00D5 | &Otilde; | Latin capital letter O with tilde | Latin-1 Supplement |
| Ö | 214 | 214 | 0xD6 | U+00D6 | &Ouml; | Latin capital letter O with diaeresis | Latin-1 Supplement |
| × | 215 | 215 | 0xD7 | U+00D7 | &times; | multiplication sign | Latin-1 Supplement |
| Ø | 216 | 216 | 0xD8 | U+00D8 | &Oslash; | Latin capital letter O with stroke | Latin-1 Supplement |
| Ù | 217 | 217 | 0xD9 | U+00D9 | &Ugrave; | Latin capital letter U with grave | Latin-1 Supplement |
| Ú | 218 | 218 | 0xDA | U+00DA | &Uacute; | Latin capital letter U with acute | Latin-1 Supplement |
| Û | 219 | 219 | 0xDB | U+00DB | &Ucirc; | Latin capital letter U with circumflex | Latin-1 Supplement |
| Ü | 220 | 220 | 0xDC | U+00DC | &Uuml; | Latin capital letter U with diaeresis | Latin-1 Supplement |
| Ý | 221 | 221 | 0xDD | U+00DD | &Yacute; | Latin capital letter Y with acute | Latin-1 Supplement |
| Þ | 222 | 222 | 0xDE | U+00DE | &THORN; | Latin capital letter Thorn | Latin-1 Supplement |
| ß | 223 | 223 | 0xDF | U+00DF | &szlig; | Latin small letter sharp s | Latin-1 Supplement |
| à | 224 | 224 | 0xE0 | U+00E0 | &agrave; | Latin small letter a with grave | Latin-1 Supplement |
| á | 225 | 225 | 0xE1 | U+00E1 | &aacute; | Latin small letter a with acute | Latin-1 Supplement |
| â | 226 | 226 | 0xE2 | U+00E2 | &acirc; | Latin small letter a with circumflex | Latin-1 Supplement |
| ã | 227 | 227 | 0xE3 | U+00E3 | &atilde; | Latin small letter a with tilde | Latin-1 Supplement |
| ä | 228 | 228 | 0xE4 | U+00E4 | &auml; | Latin small letter a with diaeresis | Latin-1 Supplement |
| å | 229 | 229 | 0xE5 | U+00E5 | &aring; | Latin small letter a with ring above | Latin-1 Supplement |
| æ | 230 | 230 | 0xE6 | U+00E6 | &aelig; | Latin small letter ae | Latin-1 Supplement |

| ç | 231 | 231 | 0xE7 | U+00E7 | &ccedil; | Latin small letter c with cedilla | Latin-1 Supplement |
|---|---|---|---|---|---|---|---|
| è | 232 | 232 | 0xE8 | U+00E8 | &egrave; | Latin small letter e with grave | Latin-1 Supplement |
| é | 233 | 233 | 0xE9 | U+00E9 | &eacute; | Latin small letter e with acute | Latin-1 Supplement |
| ê | 234 | 234 | 0xEA | U+00EA | &ecirc; | Latin small letter e with circumflex | Latin-1 Supplement |
| ë | 235 | 235 | 0xEB | U+00EB | &euml; | Latin small letter e with diaeresis | Latin-1 Supplement |
| ì | 236 | 236 | 0xEC | U+00EC | &igrave; | Latin small letter i with grave | Latin-1 Supplement |
| í | 237 | 237 | 0xED | U+00ED | &iacute; | Latin small letter i with acute | Latin-1 Supplement |
| î | 238 | 238 | 0xEE | U+00EE | &icirc; | Latin small letter i with circumflex | Latin-1 Supplement |
| ï | 239 | 239 | 0xEF | U+00EF | &iuml; | Latin small letter i with diaeresis | Latin-1 Supplement |
| ð | 240 | 240 | 0xF0 | U+00F0 | &eth; | Latin small letter eth | Latin-1 Supplement |
| ñ | 241 | 241 | 0xF1 | U+00F1 | &ntilde; | Latin small letter n with tilde | Latin-1 Supplement |
| ò | 242 | 242 | 0xF2 | U+00F2 | &ograve; | Latin small letter o with grave | Latin-1 Supplement |
| ó | 243 | 243 | 0xF3 | U+00F3 | &oacute; | Latin small letter o with acute | Latin-1 Supplement |
| ô | 244 | 244 | 0xF4 | U+00F4 | &ocirc; | Latin small letter o with circumflex | Latin-1 Supplement |
| õ | 245 | 245 | 0xF5 | U+00F5 | &otilde; | Latin small letter o with tilde | Latin-1 Supplement |
| ö | 246 | 246 | 0xF6 | U+00F6 | &ouml; | Latin small letter o with diaeresis | Latin-1 Supplement |
| ÷ | 247 | 247 | 0xF7 | U+00F7 | &divide; | division sign | Latin-1 Supplement |
| ø | 248 | 248 | 0xF8 | U+00F8 | &oslash; | Latin small letter o with stroke | Latin-1 Supplement |
| ù | 249 | 249 | 0xF9 | U+00F9 | &ugrave; | Latin small letter u with grave | Latin-1 Supplement |
| | 250 | 250 | 0xFA | U+00FA | &uacute; | Latin small letter u | Latin-1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ú | | | | | with acute | Supplement |
| û | 251 | 251 | 0xFB | U+00FB | &ucirc; | Latin small letter with circumflex | Latin-1 Supplement |
| ü | 252 | 252 | 0xFC | U+00FC | &uuml; | Latin small letter u with diaeresis | Latin-1 Supplement |
| ý | 253 | 253 | 0xFD | U+00FD | &yacute; | Latin small letter y with acute | Latin-1 Supplement |
| þ | 254 | 254 | 0xFE | U+00FE | &thorn; | Latin small letter thorn | Latin-1 Supplement |
| ÿ | 255 | 255 | 0xFF | U+00FF | &yuml; | Latin small letter y with diaeresis | Latin-1 Supplement |

## Problems with non-Latin scripts

If you use old, pre-Unicode Arabic, Greek, Hebrew, Russian or Thai versions of Microsoft Windows to view a file that uses Latin script and includes accented characters, then the accented characters may be replaced or omitted. For example:



US Windows            Russian Windows         Thai Windows

This happens because the characters for these non-Latin scripts are coded to the same numbers as the accented Latin characters in the ANSI character set; this problem has largely been resolved now that Unicode has become widely used, because it provides a unique numeric identifier for each character.

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Send comments or questions to Alan Wood

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