

C0 Controls and Basic Latin

Range: 0000–007F

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 3.0*.

Disclaimer

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts.

For a complete understanding of the use of the characters contained in this excerpt file, please consult the appropriate sections of *The Unicode Standard, Version 3.0* (ISBN 0-201-61633-5), as well as the Unicode Technical Reports and the Unicode Character Database, which are available online.

See <http://www.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.html> and <http://www.unicode.org/unicode/reports>

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

Fonts

The fonts used in these charts were provided to the Unicode Consortium by a number of different font designers

See <http://www.unicode.org/unicode/uni2book/u2fonts.html> for a list.

Terms of Use

These charts are provided as a convenient online reference to the character contents of the Unicode Standard, Version 3.0. Proper Unicode support requires considerably more than just providing glyphs for characters, and requires consulting the Unicode Standard and the Unicode Technical Reports.

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




















See <http://www.unicode.org/pending/pending.html> and <http://www.unicode.org/unicode/alloc/Pipeline.html>.






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	000	001	002	003	004	005	006	007
0	NUL 0000	DLE 0010	SP 0020	0 0030	@ 0040	P 0050	` 0060	p 0070
1	SOH 0001	DC1 0011	! 0021	1 0031	A 0041	Q 0051	a 0061	q 0071
2	STX 0002	DC2 0012	" 0022	2 0032	B 0042	R 0052	b 0062	r 0072
3	ETX 0003	DC3 0013	# 0023	3 0033	C 0043	S 0053	c 0063	s 0073
4	EOT 0004	DC4 0014	\$ 0024	4 0034	D 0044	T 0054	d 0064	t 0074
5	ENQ 0005	NAK 0015	% 0025	5 0035	E 0045	U 0055	e 0065	u 0075
6	ACK 0006	SYN 0016	& 0026	6 0036	F 0046	V 0056	f 0066	v 0076
7	BEL 0007	ETB 0017	' 0027	7 0037	G 0047	W 0057	g 0067	w 0077
8	BS 0008	CAN 0018	(0028	8 0038	H 0048	X 0058	h 0068	x 0078
9	HT 0009	EM 0019	) 0029	9 0039	I 0049	Y 0059	i 0069	y 0079
A	LF 000A	SUB 001A	* 002A	: 003A	J 004A	Z 005A	j 006A	z 007A
B	VT 000B	ESC 001B	+ 002B	; 003B	K 004B	[005B	k 006B	{ 007B
C	FF 000C	FS 001C	, 002C	< 003C	L 004C	\ 005C	l 006C	| 007C
D	CR 000D	GS 001D	- 002D	= 003D	M 004D	] 005D	m 006D	} 007D
E	SO 000E	RS 001E	. 002E	> 003E	N 004E	^ 005E	n 006E	~ 007E
F	SI 000F	US 001F	/ 002F	? 003F	O 004F	_ 005F	o 006F	DEL 007F









C0 controls

Alias names are those for ISO 6429.

0000		<control> = NULL
0001		<control> = START OF HEADING
0002		<control> = START OF TEXT
0003		<control> = END OF TEXT
0004		<control> = END OF TRANSMISSION
0005		<control> = ENQUIRY
0006		<control> = ACKNOWLEDGE
0007		<control> = BELL
0008		<control> = BACKSPACE
0009		<control> = HORIZONTAL TABULATION
000A		<control> = LINE FEED
000B		<control> = VERTICAL TABULATION
000C		<control> = FORM FEED
000D		<control> = CARRIAGE RETURN
000E		<control> = SHIFT OUT
000F		<control> = SHIFT IN
0010		<control> = DATA LINK ESCAPE
0011		<control> = DEVICE CONTROL ONE
0012		<control> = DEVICE CONTROL TWO
0013		<control> = DEVICE CONTROL THREE
0014		<control> = DEVICE CONTROL FOUR
0015		<control> = NEGATIVE ACKNOWLEDGE
0016		<control> = SYNCHRONOUS IDLE
0017		<control> = END OF TRANSMISSION BLOCK
0018		<control> = CANCEL
0019		<control> = END OF MEDIUM
001A		<control> = SUBSTITUTE → FFFD  replacement character


001B		<control> = ESCAPE
001C		<control> = FILE SEPARATOR
001D		<control> = GROUP SEPARATOR
001E		<control> = RECORD SEPARATOR
001F		<control> = UNIT SEPARATOR

ASCII

0020		SPACE <ul style="list-style-type: none"> • sometimes considered a control code • other space characters: 2000  –200A  → 00A0  no-break space → 200B  zero width space → 3000  ideographic space → FEFF  zero width no-break space
0021	!	EXCLAMATION MARK <ul style="list-style-type: none"> = factorial = bang → 00A1 ¡ inverted exclamation mark → 01C3 ! latin letter retroflex click → 203C !! double exclamation mark → 203D ? interrobang → 2762  heavy exclamation mark ornament
0022	"	QUOTATION MARK <ul style="list-style-type: none"> • neutral (vertical), used as opening or closing quotation mark • preferred characters in English for paired quotation marks are 201C “ & 201D ” → 02BA " modifier letter double prime → 030B ¨ combining double acute accent → 030E ̆ combining double vertical line above → 2033 " double prime → 3003 " ditto mark
0023	#	NUMBER SIGN <ul style="list-style-type: none"> = pound sign, hash, crosshatch, octothorpe
0024	\$	DOLLAR SIGN <ul style="list-style-type: none"> = milreis, escudo • glyph may have one or two vertical bars • other currency symbol characters: 20A0 ₣ –20AF ₤ → 00A4 ₤ currency sign
0025	%	PERCENT SIGN <ul style="list-style-type: none"> → 066A % arabic percent sign → 2030 ‰ per mille sign → 2031 ‰ per ten thousand sign
0026	&	AMPERSAND

0027	'	APOSTROPHE = APOSTROPHE-QUOTE = APL quote • neutral (vertical) glyph having mixed usage • preferred character for apostrophe is 2019 `	0035	5	DIGIT FIVE
		• preferred characters in English for paired quotation marks are 2018 ` & 2019 `	0036	6	DIGIT SIX
		→ 02B9 ` modifier letter prime	0037	7	DIGIT SEVEN
		→ 02BC ` modifier letter apostrophe	0038	8	DIGIT EIGHT
		→ 02C8 ` modifier letter vertical line	0039	9	DIGIT NINE
		→ 0301 ˆ combining acute accent	003A	:	COLON → 0589 : armenian full stop → 2236 : ratio
		→ 2032 ` prime	003B	;	SEMICOLON → 037E ; greek question mark → 061B ؛ arabic semicolon
0028	(	LEFT PARENTHESIS = OPENING PARENTHESIS	003C	<	LESS-THAN SIGN → 2039 < single left-pointing angle quotation mark → 2329 ‹ left-pointing angle bracket → 3008 ‹ left angle bracket
0029	)	RIGHT PARENTHESIS = CLOSING PARENTHESIS • see discussion on semantics of paired bracketing characters	003D	=	EQUALS SIGN • other related characters: 2241 ≠ –2263 ≡ → 2260 ≠ not equal to → 2261 ≡ identical to
002A	*	ASTERISK = star (on phone keypads) → 066D * arabic five pointed star → 2217 * asterisk operator → 2731 * heavy asterisk	003E	>	GREATER-THAN SIGN → 203A > single right-pointing angle quotation mark → 232A › right-pointing angle bracket → 3009 › right angle bracket
002B	+	PLUS SIGN	003F	?	QUESTION MARK → 00BF ٫ inverted question mark → 037E ; greek question mark → 061F ؟ arabic question mark → 203D ʔ interrobang → 2048 ?! question exclamation mark → 2049 !? exclamation question mark
002C	,	COMMA = decimal separator → 060C ٫ arabic comma → 201A ٫ single low-9 quotation mark → 3001 ٫ ideographic comma	0040	@	COMMERCIAL AT
002D	-	HYPHEN-MINUS = hyphen or minus sign • used for either hyphen or minus sign → 2010 - hyphen → 2011 ̄ non-breaking hyphen → 2012 – figure dash → 2013 – en dash → 2212 – minus sign	0041	A	LATIN CAPITAL LETTER A
002E	.	FULL STOP = PERIOD = dot, decimal point • may be rendered as a raised decimal point in old style numbers → 06D4 ٫ arabic full stop → 3002 ٫ ideographic full stop	0042	B	LATIN CAPITAL LETTER B → 212C ℬ script capital b
002F	/	SOLIDUS = SLASH = virgule, shilling (British) → 01C0 ɿ latin letter dental click → 0338 ƒ combining long solidus overlay → 2044 ⁄ fraction slash → 2215 ⁄ division slash	0043	C	LATIN CAPITAL LETTER C → 2102 Ɔ double-struck capital c → 212D Ɔ black-letter capital c
0030	0	DIGIT ZERO	0044	D	LATIN CAPITAL LETTER D
0031	1	DIGIT ONE	0045	E	LATIN CAPITAL LETTER E → 2107 Ǝ euler constant → 2130 Ǝ script capital e
0032	2	DIGIT TWO	0046	F	LATIN CAPITAL LETTER F → 2131 ƒ script capital f → 2132 ƒ turned capital f
0033	3	DIGIT THREE	0047	G	LATIN CAPITAL LETTER G
0034	4	DIGIT FOUR	0048	H	LATIN CAPITAL LETTER H → 210B Ƨ script capital h → 210C Ƨ black-letter capital h → 210D Ƨ double-struck capital h

0049	I	LATIN CAPITAL LETTER I	005F	_	LOW LINE
		• Turkish and Azerbaijani use 0131 ı for lowercase			= SPACING UNDERSCORE
		→ 0130 İ latin capital letter i with dot above			• this is a spacing character
		→ 0406 І cyrillic capital letter byelorussian-ukrainian i			→ 02CD ¯ modifier letter low macron
		→ 04C0 І cyrillic letter palochka			→ 0331 ◌̣ combining macron below
		→ 2110 ℐ script capital i			→ 0332 ◌̅ combining low line
		→ 2111 Ɔ black-letter capital i			→ 2017 = double low line
		→ 2160 I roman numeral one	0060	`	GRAVE ACCENT
004A	J	LATIN CAPITAL LETTER J			• this is a spacing character
004B	K	LATIN CAPITAL LETTER K			→ 02CB ` modifier letter grave accent
		→ 212A K kelvin sign			→ 0300 ˆ combining grave accent
004C	L	LATIN CAPITAL LETTER L			→ 2035 ` reversed prime
		→ 2112 ℒ script capital l	0061	a	LATIN SMALL LETTER A
004D	M	LATIN CAPITAL LETTER M	0062	b	LATIN SMALL LETTER B
		→ 2133 ™ script capital m	0063	c	LATIN SMALL LETTER C
004E	N	LATIN CAPITAL LETTER N	0064	d	LATIN SMALL LETTER D
		→ 2115 Ñ double-struck capital n	0065	e	LATIN SMALL LETTER E
004F	O	LATIN CAPITAL LETTER O			→ 212E e estimated symbol
0050	P	LATIN CAPITAL LETTER P			→ 212F e script small e
		→ 2119 ₪ double-struck capital p	0066	f	LATIN SMALL LETTER F
0051	Q	LATIN CAPITAL LETTER Q	0067	g	LATIN SMALL LETTER G
		→ 211A Q double-struck capital q			→ 0261 g latin small letter script g
0052	R	LATIN CAPITAL LETTER R			→ 210A ḡ script small g
		→ 211B ℞ script capital r	0068	h	LATIN SMALL LETTER H
		→ 211C Ɔ black-letter capital r			→ 04BB h cyrillic small letter shha
		→ 211D ℝ double-struck capital r			→ 210E ħ planck constant
0053	S	LATIN CAPITAL LETTER S	0069	i	LATIN SMALL LETTER I
0054	T	LATIN CAPITAL LETTER T			• Turkish and Azerbaijani use 0130 İ for uppercase
0055	U	LATIN CAPITAL LETTER U			→ 0131 ı latin small letter dotless i
0056	V	LATIN CAPITAL LETTER V	006A	j	LATIN SMALL LETTER J
0057	W	LATIN CAPITAL LETTER W	006B	k	LATIN SMALL LETTER K
0058	X	LATIN CAPITAL LETTER X	006C	l	LATIN SMALL LETTER L
0059	Y	LATIN CAPITAL LETTER Y			→ 2113 ℓ script small l
005A	Z	LATIN CAPITAL LETTER Z	006D	m	LATIN SMALL LETTER M
		→ 2124 ℤ double-struck capital z	006E	n	LATIN SMALL LETTER N
		→ 2128 Ɔ black-letter capital z			→ 207F ⁿ superscript latin small letter n
005B	[	LEFT SQUARE BRACKET	006F	o	LATIN SMALL LETTER O
		= OPENING SQUARE BRACKET			→ 2134 o script small o
		• other bracket characters:	0070	p	LATIN SMALL LETTER P
		3008 ⟨–301B ⌞	0071	q	LATIN SMALL LETTER Q
005C	\	REVERSE SOLIDUS	0072	r	LATIN SMALL LETTER R
		= BACKSLASH	0073	s	LATIN SMALL LETTER S
		→ 2216 \ set minus	0074	t	LATIN SMALL LETTER T
005D	]	RIGHT SQUARE BRACKET	0075	u	LATIN SMALL LETTER U
		= CLOSING SQUARE BRACKET	0076	v	LATIN SMALL LETTER V
005E	^	CIRCUMFLEX ACCENT	0077	w	LATIN SMALL LETTER W
		• this is a spacing character	0078	x	LATIN SMALL LETTER X
		→ 02C4 ^ modifier letter up arrowhead	0079	y	LATIN SMALL LETTER Y
		→ 02C6 ^ modifier letter circumflex accent	007A	z	LATIN SMALL LETTER Z
		→ 0302 ˆ combining circumflex accent			→ 01B6 z latin small letter z with stroke
		→ 2303 ^ up arrowhead	007B	{	LEFT CURLY BRACKET
					= OPENING CURLY BRACKET
					= opening brace

- 007C | VERTICAL LINE
= VERTICAL BAR
• used in pairs to indicate absolute value
→ 01C0 | latin letter dental click
→ 2223 | divides
→ 2758 | light vertical bar
- 007D } RIGHT CURLY BRACKET
= CLOSING CURLY BRACKET
= closing brace
- 007E ~ TILDE
• this is a spacing character
→ 02DC ~ small tilde
→ 0303 º combining tilde
→ 223C ~ tilde operator
→ FF5E ~ fullwidth tilde
- 007F  <control>
= DELETE