

HYPHEN-MINUS	_	-
uni002D FULL STOP		
uni002E SOLIDUS	-	/
uni002F	/	•
DIGIT ZERO uni0030	0	0
DIGIT ONE uni0031	1	1
DIGIT TWO uni0032	2	2
DIGIT THREE uni0033	3	3
DIGIT FOUR uni0034	4	4
DIGIT FIVE uni0035	5	5
DIGIT SIX uni0036	6	6
DIGIT SEVEN uni0037	7	7
DIGIT EIGHT uni0038	8	8
DIGIT NINE uni0039	9	9
COLON uni003A	:	:
SEMICOLON uni003B	ı. J	;
LESS-THAN SIGN uni003C	<	<
EQUALS SIGN uni003D	=	=
GREATER-THAN SIGN uni003E	>	>
QUESTION MARK uni003F	?	?
COMMERCIAL AT uni0040	(a)	@
LATIN CAPITAL LETTER A uni0041	Α	Α
LATIN CAPITAL LETTER B uni0042	В	В
LATINI CADITAL LETTER C	С	<u></u>
LATIN CAPITAL LETTER C uni0043		С
LATIN CAPITAL LETTER D uni0044	_ D	D _
LATIN CAPITAL LETTER E uni0045	Е	Е
LATIN CAPITAL LETTER F uni0046	F	F
LATIN CAPITAL LETTER G uni0047	G	G

LATIN CAPITAL LETTER H uni0048	Н	Н
LATIN CAPITAL LETTER I uni0049		I
LATIN CAPITAL LETTER J uni004A	J	J
LATIN CAPITAL LETTER K uni004B	K	K
LATIN CAPITAL LETTER L uni004C	L	L
LATIN CAPITAL LETTER M uni004D	M	M
LATIN CAPITAL LETTER N uni004E	Ν	N
LATIN CAPITAL LETTER O uni004F	0	0
LATIN CAPITAL LETTER P uni0050	P	Р
LATIN CAPITAL LETTER Q uni0051	Q	Q
LATIN CAPITAL LETTER R	R	R
uni0052 LATIN CAPITAL LETTER S	S	S
uni0053 LATIN CAPITAL LETTER T	Т	Т
uni0054 LATIN CAPITAL LETTER U	IJ	U
		$\sim$
uni0055 LATIN CAPITAL LETTER V	V	V
uni0055 LATIN CAPITAL LETTER V uni0056 LATIN CAPITAL LETTER W	V	V
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X	V W	V W
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y	V	V
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z	V	V W
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET	V W X Y	V W X Y
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET uni005B  REVERSE SOLIDUS	V W X Y	V W X Y
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET uni005B  REVERSE SOLIDUS uni005C  RIGHT SQUARE BRACKET	V W X Y	V W X Y Z [
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET uni005B  REVERSE SOLIDUS uni005C  RIGHT SQUARE BRACKET uni005D  CIRCUMFLEX ACCENT	V W X Y	V W X Y Z
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET uni005B  REVERSE SOLIDUS uni005C  RIGHT SQUARE BRACKET uni005D  CIRCUMFLEX ACCENT uni005E  LOW LINE	V W X Y	V W X Y Z [ \
uni0055  LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET uni005B  REVERSE SOLIDUS uni005C  RIGHT SQUARE BRACKET uni005D  CIRCUMFLEX ACCENT uni005F  LOW LINE uni005F  GRAVE ACCENT	V W X Y	V W X Y Z [ \
LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET uni005B  REVERSE SOLIDUS uni005C  RIGHT SQUARE BRACKET uni005D  CIRCUMFLEX ACCENT uni005F  GRAVE ACCENT uni0060  LATIN SMALL LETTER A	V W X Y	V W X Y Z [ \
LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET uni005B  REVERSE SOLIDUS uni005C  RIGHT SQUARE BRACKET uni005D  CIRCUMFLEX ACCENT uni005E  LOW LINE uni005F  GRAVE ACCENT uni0060  LATIN SMALL LETTER A uni0061	V W X Y Z [ \	V W X Y Z [ \
LATIN CAPITAL LETTER V uni0056  LATIN CAPITAL LETTER W uni0057  LATIN CAPITAL LETTER X uni0058  LATIN CAPITAL LETTER Y uni0059  LATIN CAPITAL LETTER Z uni005A  LEFT SQUARE BRACKET uni005B  REVERSE SOLIDUS uni005C  RIGHT SQUARE BRACKET uni005D  CIRCUMFLEX ACCENT uni005F  GRAVE ACCENT uni0060  LATIN SMALL LETTER A uni0061	V W X Y Z [ \	V W X Y Z [ \ ] ^

LATIN SMALL LETTER D uni0064	d	d
LATIN SMALL LETTER E uni0065	е	е
LATIN SMALL LETTER F uni0066	f	f
LATIN SMALL LETTER G uni0067	g	g
LATIN SMALL LETTER H uni0068	h	h
LATIN SMALL LETTER I uni0069	i	i
LATIN SMALL LETTER J uni006A	j	j
LATIN SMALL LETTER K uni006B	k	k
LATIN SMALL LETTER L uni006C		l
LATIN SMALL LETTER M uni006D	m	m
LATIN SMALL LETTER N uni006E	n	n
LATIN SMALL LETTER O uni006F	0	0
LATIN SMALL LETTER P uni0070	р	p
LATIN SMALL LETTER Q uni0071	q	q
LATIN SMALL LETTER R uni0072	r	r
LATIN SMALL LETTER S uni0073	S	S
LATIN SMALL LETTER T uni0074	t	t
LATIN SMALL LETTER U uni0075	U	u
LATIN SMALL LETTER V uni0076	V	V
LATIN SMALL LETTER W uni0077	W	W
LATIN SMALL LETTER X uni0078	X	X
LATIN SMALL LETTER Y uni0079	У	у
LATIN SMALL LETTER Z uni007A	Z	Z
LEFT CURLY BRACKET uni007B	{	{
VERTICAL LINE uni007C		
RIGHT CURLY BRACKET uni007D	}	}
TILDE uni007E	~	~

NO-BREAK SPACE

uni00A0		
INVERTED EXCLAMATION MARK uni00A1	i	i
CENT SIGN uni00A2	¢	¢
POUND SIGN uni00A3	£	£
CURRENCY SIGN uni00A4	¤	D
YEN SIGN uni00A5	¥	¥
BROKEN BAR uni00A6	I	I I
SECTION SIGN uni00A7	§	§
DIAERESIS uni00A8		
COPYRIGHT SIGN uni00A9	©	©
FEMININE ORDINAL INDICATOR uni00AA	<u>a</u>	а
LEFT-POINTING DOUBLE ANGLE QUOTATION MARK uni00AB	«	<b>«</b>
NOT SIGN uni00AC	$\neg$	٦
REGISTERED SIGN uni00AE	R	®
MACRON uni00AF	-	-
DEGREE SIGN uni00B0	0	0
PLUS-MINUS SIGN uni00B1	$\pm$	±
SUPERSCRIPT TWO uni00B2	2	2
SUPERSCRIPT THREE uni00B3	3	3
ACUTE ACCENT uni00B4	/	,
MICRO SIGN uni00B5	μ	μ
PILCROW SIGN uni00B6	1	¶
MIDDLE DOT uni00B7		•
CEDILLA uni00B8	٥	5
SUPERSCRIPT ONE uni00B9	1	1
MASCULINE ORDINAL INDICATOR uni00BA	Ō	0
RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK uni00BB	>>	<b>»</b>

1/4	1/4	VULGAR FRACTION ONE QUARTER
1/2	1/	uni00BC
1/2	1/2	VULGAR FRACTION ONE HALF uni00BD
3/4	3/4	VULGAR FRACTION THREE QUARTERS uni00BE
خ	غ	INVERTED QUESTION MARK uni00BF
À	À	LATIN CAPITAL LETTER A WITH GRAVE uni00C0
Á	Á	LATIN CAPITAL LETTER A WITH ACUTE uni00C1
Â	Â	LATIN CAPITAL LETTER A WITH CIRCUMFLEX uni00C2
Ã	Ã	LATIN CAPITAL LETTER A WITH TILDE uni00C3
Ä	Ä	LATIN CAPITAL LETTER A WITH DIAERESIS uni00C4
Å	Å	LATIN CAPITAL LETTER A WITH RING ABOVE uni00C5
Æ	Æ	LATIN CAPITAL LETTER AE uni00C6
Ç	Ç	LATIN CAPITAL LETTER C WITH CEDILLA uni00C7
È	È	LATIN CAPITAL LETTER E WITH GRAVE uni00C8
É	É	LATIN CAPITAL LETTER E WITH ACUTE uni00C9
Ê	Ê	LATIN CAPITAL LETTER E WITH CIRCUMFLEX uni00CA
Ë	Ë	LATIN CAPITAL LETTER E WITH DIAERESIS uni00CB
Ì	Ì	LATIN CAPITAL LETTER I WITH GRAVE uni00CC
ĺ	ĺ	LATIN CAPITAL LETTER I WITH ACUTE uni00CD
Î	Î	LATIN CAPITAL LETTER I WITH CIRCUMFLEX uni00CE
Ϊ	Ϊ	LATIN CAPITAL LETTER I WITH DIAERESIS uni00CF
Đ	Đ	LATIN CAPITAL LETTER ETH uni00D0
Ñ	Ñ	LATIN CAPITAL LETTER N WITH TILDE uni00D1
Ò	Ò	LATIN CAPITAL LETTER O WITH GRAVE uni00D2
Ó	Ó	LATIN CAPITAL LETTER O WITH ACUTE uni00D3
Ô	Ô	ATIN CAPITAL LETTER O WITH CIRCUMFLEX uni00D4
Õ	Õ	LATIN CAPITAL LETTER O WITH TILDE uni00D5
Ö	Ö	LATIN CAPITAL LETTER O WITH DIAERESIS uni00D6

MULTIPLICATION SIGN

uni00D7	X	×
LATIN CAPITAL LETTER O WITH STROKE uni00D8	Ø	Ø
LATIN CAPITAL LETTER U WITH GRAVE uni00D9	Ù	Ù
LATIN CAPITAL LETTER U WITH ACUTE uni00DA	Ú	Ú
LATIN CAPITAL LETTER U WITH CIRCUMFLEX uni00DB	Û	Û
LATIN CAPITAL LETTER U WITH DIAERESIS uni00DC	Ü	Ü
LATIN CAPITAL LETTER Y WITH ACUTE uni00DD	Ý	Ý
LATIN CAPITAL LETTER THORN uni00DE	Þ	Þ
LATIN SMALL LETTER SHARP S uni00DF	ß	ß
LATIN SMALL LETTER A WITH GRAVE uni00E0	à	à
LATIN SMALL LETTER A WITH ACUTE uni00E1	á	á
LATIN SMALL LETTER A WITH CIRCUMFLEX uni00E2	â	â
LATIN SMALL LETTER A WITH TILDE uni00E3	ã	ã
LATIN SMALL LETTER A WITH DIAERESIS uni00E4	ä	ä
LATIN SMALL LETTER A WITH RING ABOVE uni00E5	å	å
	å	å æ
uni00E5  LATIN SMALL LETTER AE	<u> </u>	-
uni00E5  LATIN SMALL LETTER AE  uni00E6  LATIN SMALL LETTER C WITH CEDILLA	æ	æ
uni00E5  LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE	æ	æ
uni00E5  LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE uni00E8  LATIN SMALL LETTER E WITH ACUTE	æ	æç
uni00E5  LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE uni00E8  LATIN SMALL LETTER E WITH ACUTE uni00E9  LATIN SMALL LETTER E WITH CIRCUMFLEX	æçèéé	æ ç è
uni00E5  LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE uni00E8  LATIN SMALL LETTER E WITH ACUTE uni00E9  LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA  LATIN SMALL LETTER E WITH DIAERESIS	æ ç è é	æ ç è é ë ï
LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE uni00E8  LATIN SMALL LETTER E WITH ACUTE uni00E9  LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA  LATIN SMALL LETTER E WITH DIAERESIS uni00EB  LATIN SMALL LETTER I WITH GRAVE	æ ç è é ë	æ ç è é ê ï í
LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE uni00E8  LATIN SMALL LETTER E WITH ACUTE uni00E9  LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA  LATIN SMALL LETTER E WITH DIAERESIS uni00EB  LATIN SMALL LETTER I WITH GRAVE uni00EC  LATIN SMALL LETTER I WITH ACUTE	æ ç è é ë	æ ç è é ë ï
LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE uni00E8  LATIN SMALL LETTER E WITH ACUTE uni00E9  LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA  LATIN SMALL LETTER E WITH DIAERESIS uni00EB  LATIN SMALL LETTER I WITH GRAVE uni00EC  LATIN SMALL LETTER I WITH ACUTE uni00ED  LATIN SMALL LETTER I WITH ACUTE uni00ED	æ ç è é e ë i i i i i i i i i i i i i i i i i i	æ ç è é ê ë i í í i i
LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE uni00E8  LATIN SMALL LETTER E WITH ACUTE uni00E9  LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA  LATIN SMALL LETTER E WITH DIAERESIS uni00EB  LATIN SMALL LETTER I WITH GRAVE uni00EC  LATIN SMALL LETTER I WITH ACUTE uni00ED  LATIN SMALL LETTER I WITH CIRCUMFLEX uni00EE	æ ç è é ë ï í í í í í í í í í í í í í í í í í í	æ ç è é ë i í i ð
LATIN SMALL LETTER AE uni00E6  LATIN SMALL LETTER C WITH CEDILLA uni00E7  LATIN SMALL LETTER E WITH GRAVE uni00E8  LATIN SMALL LETTER E WITH ACUTE uni00E9  LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA  LATIN SMALL LETTER E WITH DIAERESIS uni00EB  LATIN SMALL LETTER I WITH GRAVE uni00EC  LATIN SMALL LETTER I WITH ACUTE uni00ED  LATIN SMALL LETTER I WITH CIRCUMFLEX uni00EE  LATIN SMALL LETTER I WITH DIAERESIS uni00EF  LATIN SMALL LETTER I WITH DIAERESIS uni00EF	æ ç è é e ë i i i i i i i i i i i i i i i i i i	æ ç è é ê ë i í í i i

LATIN SMALL LETTER O WITH ACUTE uni00F3	ó	ó
	ô	ô
LATIN SMALL LETTER O WITH CIRCUMFLEX uni00F4		
LATIN SMALL LETTER O WITH TILDE	õ	õ
LATIN SMALL LETTER O WITH DIAERESIS uni00F6	Ö	ö
DIVISION SIGN uni00F7	÷	÷
LATIN SMALL LETTER O WITH STROKE uni00F8	Ø	Ø
233. 5		
LATIN SMALL LETTER U WITH GRAVE uni00F9	ù	ù
LATIN SMALL LETTER U WITH ACUTE uni00FA	Ú	ú
LATIN SMALL LETTER U WITH CIRCUMFLEX uni00FB	û	û
LATIN SMALL LETTER U WITH DIAERESIS uni00FC	ü	ü
LATIN SMALL LETTER Y WITH ACUTE uni00FD	ý	ý
LATIN SMALL LETTER THORN uni00FE	þ	þ
LATIN SMALL LETTER Y WITH DIAERESIS uni00FF	ÿ	ÿ
LATIN SMALL LETTER DOTLESS I uni0131	I	I
LATIN CAPITAL LETTER L WITH STROKE uni0141	Ł	Ł
LATIN SMALL LETTER L WITH STROKE uni0142	ł	+
LATIN CAPITAL LIGATURE OE uni0152	Œ	Œ
LATIN SMALL LIGATURE OE uni0153	œ	œ
LATIN CAPITAL LETTER S WITH CARON uni0160	Š	Š
LATIN SMALL LETTER S WITH CARON uni0161	Š	š
LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178	Ÿ	Ϋ
	×	Ž
LATIN CAPITAL LETTER Z WITH CARON uni017D	Z	
LATIN SMALL LETTER Z WITH CARON uni017E	Ž	Ž
LATIN SMALL LETTER F WITH HOOK uni0192	f	f
LATIN CAPITAL LETTER A WITH DOUBLE GRAVE uni0200	Ä	Ä
LATIN SMALL LETTER A WITH DOUBLE GRAVE uni0201	ä	ä

Â	Â	LATIN CAPITAL LETTER A WITH INVERTED BREVE uni0202
â	â	LATIN SMALL LETTER A WITH INVERTED BREVE uni0203
Ë	Ë	LATIN CAPITAL LETTER E WITH DOUBLE GRAVE
		uni0204
ë	ë	LATIN SMALL LETTER E WITH DOUBLE GRAVE uni0205
Ê	Ê	LATIN CAPITAL LETTER E WITH INVERTED BREVE uni0206
ê	ê	LATIN SMALL LETTER E WITH INVERTED BREVE uni0207
Ï	Ï	LATIN CAPITAL LETTER I WITH DOUBLE GRAVE uni0208
ĩ	]	LATIN SMALL LETTER I WITH DOUBLE GRAVE uni0209
Î	Î	LATIN CAPITAL LETTER I WITH INVERTED BREVE uni020A
î	Î	LATIN SMALL LETTER I WITH INVERTED BREVE uni020B
Ő	Ö	LATIN CAPITAL LETTER O WITH DOUBLE GRAVE uni020C
ő	Ö	LATIN SMALL LETTER O WITH DOUBLE GRAVE uni020D
Ô	Ô	LATIN CAPITAL LETTER O WITH INVERTED BREVE uni020E
ô	ô	LATIN SMALL LETTER O WITH INVERTED BREVE uni020F
Ř	Ř	LATIN CAPITAL LETTER R WITH DOUBLE GRAVE uni0210
r	r	LATIN SMALL LETTER R WITH DOUBLE GRAVE uni0211
Ŕ	Ŕ	LATIN CAPITAL LETTER R WITH INVERTED BREVE uni0212
r	r	LATIN SMALL LETTER R WITH INVERTED BREVE uni0213
Ü	Ü	LATIN CAPITAL LETTER U WITH DOUBLE GRAVE uni0214
ù	ű	LATIN SMALL LETTER U WITH DOUBLE GRAVE uni0215
Û	Û	LATIN CAPITAL LETTER U WITH INVERTED BREVE uni0216
û	û	LATIN SMALL LETTER U WITH INVERTED BREVE uni0217
Ş	Ş	LATIN CAPITAL LETTER S WITH COMMA BELOW uni0218
ş	Ş	LATIN SMALL LETTER S WITH COMMA BELOW uni0219
Ţ	Ţ	LATIN CAPITAL LETTER T WITH COMMA BELOW uni021A
ţ	ţ	LATIN SMALL LETTER T WITH COMMA BELOW uni021B
^	^	MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6

CARON

uni02C7	V	•
BREVE	V	U
uni02D8 DOT ABOVE uni02D9		•
RING ABOVE	0	0
uni02DA OGONEK	۲.	
uni02DB SMALL TILDE uni02DC	~	~
DOUBLE ACUTE ACCENT	//	"
COMBINING DOUBLE GRAVE ACCENT uni030F		
COMBINING INVERTED BREVE uni0311		
COMBINING COMMA BELOW uni0326		
GREEK CAPITAL LETTER OMEGA uni03A9	Ω	Ω
GREEK SMALL LETTER PI uni03C0	π	π
EN DASH uni2013	-	_
EM DASH uni2014	—	_
LEFT SINGLE QUOTATION MARK uni2018	1	1
RIGHT SINGLE QUOTATION MARK uni2019	7	,
SINGLE LOW-9 QUOTATION MARK uni201A	7	,
LEFT DOUBLE QUOTATION MARK uni201C	11	11
RIGHT DOUBLE QUOTATION MARK uni201D	"	"
DOUBLE LOW-9 QUOTATION MARK uni201E	"	"
DAGGER uni2020	†	†
DOUBLE DAGGER uni2021	‡	‡
BULLET uni2022	•	•
HORIZONTAL ELLIPSIS uni2026	0/	
PER MILLE SIGN uni2030	%0	<b>‰</b>
SINGLE LEFT-POINTING ANGLE QUOTATION MARK uni2039	<	<b>〈</b>
SINGLE RIGHT-POINTING ANGLE QUOTATION MARK uni203A FRACTION SLASH	>	>



















