

Number	Symbol	Entity Name	Code	Description
9	Tab					Tab
10	New Line	
	
	New Line
32	Space	 	 	Space
33	!		!	Exclamation mark
34	"	"	"	Quotation mark
35	#		#	Number sign
36	\$		$	Dollar sign
37	%		%	Percent sign
38	&	&	&	Ampersand
39	'		'	Apostrophe
40	((Opening/Left Parenthesis
41))	Closing/Right Parenthesis
42	*		*	Asterisk
43	+		+	Plus sign
44	,		,	Comma
45	–		-	Hyphen
46	.		.	Period
47	/		/	Slash
48	0		0	Digit 0
49	1		1	Digit 1
50	2		2	Digit 2

51	3		3	Digit 3
52	4		4	Digit 4
53	5		5	Digit 5
54	6		6	Digit 6
55	7		7	Digit 7
56	8		8	Digit 8
57	9		9	Digit 9
58	:		:	Colon
59	;		;	Semicolon
60	<	<	<	Less-than
61	=		=	Equals sign
62	>	>	>	Greater than
63	?		?	Question mark
64	@		@	At sign
65	A		A	Uppercase A
66	B		B	Uppercase B
67	C		C	Uppercase C
68	D		D	Uppercase D
69	E		E	Uppercase E
70	F		F	Uppercase F
71	G		G	Uppercase G
72	H		H	Uppercase H

73	I		I	Uppercase I
74	J		J	Uppercase J
75	K		K	Uppercase K
76	L		L	Uppercase L
77	M		M	Uppercase M
78	N		N	Uppercase N
79	O		O	Uppercase O
80	P		P	Uppercase P
81	Q		Q	Uppercase Q
82	R		R	Uppercase R
83	S		S	Uppercase S
84	T		T	Uppercase T
85	U		U	Uppercase U
86	V		V	Uppercase V
87	W		W	Uppercase W
88	X		X	Uppercase X
89	Y		Y	Uppercase Y
90	Z		Z	Uppercase Z
91	[[Opening/Left square bracket
92	\		\	Backslash
93]]	Closing/Right square bracket
94	^		^	Caret

95	_		_	Underscore
96	`		`	Grave accent
97	a		a	Lowercase a
98	b		b	Lowercase b
99	c		c	Lowercase c
100	d		d	Lowercase d
101	e		e	Lowercase e
102	f		f	Lowercase f
103	g		g	Lowercase g
104	h		h	Lowercase h
105	i		i	Lowercase i
106	j		j	Lowercase j
107	k		k	Lowercase k
108	l		l	Lowercase l
109	m		m	Lowercase m
110	n		n	Lowercase n
111	o		o	Lowercase o
112	p		p	Lowercase p
113	q		q	Lowercase q
114	r		r	Lowercase r
115	s		s	Lowercase s
116	t		t	Lowercase t

117	u		u	Lowercase u
118	v		v	Lowercase v
119	w		w	Lowercase w
120	x		x	Lowercase x
121	y		y	Lowercase y
122	z		z	Lowercase z
123	{		{	Opening/Left curly brace
124			|	Vertical bar
125	}		}	Closing/Right curly brace
126	~		~	Tilde
128	€		€	Euro sign
130	,		‚	Punctuation mark
131	f		ƒ	Florin sign
132	„		„	Quotation mark
133	...		…	Horizontal ellipsis
134	†		†	Dagger
135	‡		‡	Double dagger
136	^		ˆ	Circumflex
137	‰		‰	Per-mille
138	Š		Š	Latin capital letter s with caron
139	‘		‹	Single left angle quotation
140	Œ		Œ	Uppercase ligature OE

142	Ž		Ž	Latin capital letter z with caron
145	'		‘	Opening single quotation mark
146	'		’	Closing single quotation mark
147	"		“	Opening double quotation mark
148	"		”	Closing double quotation mark
149	•		•	Bullet
150	–		–	En dash
151	—		—	Em dash
152	~		˜	Tilde
153	™		™	Trademark
154	š		š	Latin small letter s with caron
155	›		›	Single right angle quotation
156	œ		œ	Lowercase ligature OE
158	ž		ž	Latin small letter z with caron
159	ÿ		Ÿ	Latin capital letter y with diaeresis
160	Non-breaking space	 	 	Non-breaking space
161	¡	¡	¡	Inverted exclamation mark
162	¢	¢	¢	Cent
163	£	£	£	Pound
164	¤	¤	¤	Currency
165	¥	¥	¥	Yen
166	¦	¦	¦	Broken vertical bar

167	§	§	§	Section
168	¨	¨	¨	Spacing diaeresis
169	©	©	©	Copyright
170	ª	ª	ª	Feminine ordinal indicator
171	«	«	«	Opening/Left angle quotation mark
172	¬	¬	¬	Negation
173	Soft hyphen	­	­	Soft hyphen
174	®	®	®	Registered trademark
175	ˆ	¯	¯	Spacing macron
176	°	°	°	Degree
177	±	±	±	Plus or minus
178	²	²	²	Superscript 2
179	³	³	³	Superscript 3
180	´	´	´	Spacing acute
181	μ	µ	µ	Micro
182	¶	¶	¶	Paragraph
182	·	˙	·	Dot
184	¸	¸	¸	Spacing cedilla
185	¹	¹	¹	Superscript 1
186	º	º	º	Masculine ordinal indicator
187	»	»	»	Closing/Right angle quotation mark
188	¼	¼	¼	Fraction 1/4

189	½	½	½	Fraction 1/2
190	¾	¾	¾	Fraction 3/4
191	¿	¿	¿	Inverted question mark
192	À	À	À	Capital a with grave accent
193	Á	Á	Á	Capital a with acute accent
194	Â	Â	Â	Capital a with circumflex accent
195	Ã	Ã	Ã	Capital a with tilde
196	Ä	Ä	Ä	Capital a with umlaut
197	Å	Å	Å	Capital a with ring
198	Æ	Æ	Æ	Capital ae
199	Ç	Ç	Ç	Capital c with cedilla
200	È	È	È	Capital e with grave accent
201	É	É	É	Capital e with acute accent
202	Ê	Ê	Ê	Capital e with circumflex accent
203	Ë	Ë	Ë	Capital e with umlaut
204	Ì	Ì	Ì	Capital i with grave accent
205	Í	Í	Í	Capital i with acute accent
206	Î	Î	Î	Capital i with circumflex accent
207	Ï	Ï	Ï	Capital i with umlaut
208	Ð	Ð	Ð	Capital eth (Icelandic)
209	Ñ	Ñ	Ñ	Capital n with tilde
210	Ò	Ò	Ò	Capital o with grave accent

211	Ó	Ó	Ó	Capital o with accute accent
212	Ô	Ô	Ô	Capital o with circumflex accent
213	Õ	Õ	Õ	Capital o with tilde
214	Ö	Ö	Ö	Capital o with umlaut
215	×	×	×	Multiplication
216	Ø	Ø	Ø	Capital o with slash
217	Ù	Ù	Ù	Capital u with grave accent
218	Ú	Ú	Ú	Capital u with acute accent
219	Û	Û	Û	Capital u with circumflex accent
220	Ü	Ü	Ü	Capital u with umlaut
221	Ý	Ý	Ý	Capital y with acute accent
222	Þ	Þ	Þ	Capital thorn (Icelandic)
223	ß	ß	ß	Lowercase sharp s (German)
224	à	à	à	Lowercase a with grave accent
225	á	á	á	Lowercase a with acute accent
226	â	â	â	Lowercase a with circumflex accent
227	ã	ã	ã	Lowercase a with tilde
228	ä	ä	ä	Lowercase a with umlaut
229	å	å	å	Lowercase a with ring
230	æ	æ	æ	Lowercase ae
231	ç	ç	ç	Lowercase c with cedilla
232	è	è	è	Lowercase e with grave accent

233	é	é	é	Lowercase e with acute accent
234	ê	ê	ê	Lowercase e with circumflex accent
235	ë	ë	ë	Lowercase e with umlaut
236	ì	ì	ì	Lowercase i with grave accent
237	í	í	í	Lowercase i with acute accent
238	î	î	î	Lowercase i with circumflex accent
239	ï	ï	ï	Lowercase i with umlaut
240	ð	ð	ð	Lowercase eth (Icelandic)
241	ñ	ñ	ñ	Lowercase n with tilde
242	ò	ò	ò	Lowercase o with grave accent
243	ó	ó	ó	Lowercase o with acute accent
244	ô	ô	ô	Lowercase o with circumflex accent
245	õ	õ	õ	Lowercase o with tilde
246	ö	ö	ö	Lowercase o with umlaut
247	÷	÷	÷	Divide
248	ø	ø	ø	Lowercase o with slash
249	ù	ù	ù	Lowercase u with grave accent
250	ú	ú	ú	Lowercase u with acute accent
251	û	û	û	Lowercase u with circumflex accent
252	ü	ü	ü	Lowercase u with umlaut
253	ý	ý	ý	Lowercase y with acute accent
254	þ	þ	þ	Lowercase thorn (Icelandic)

255	ÿ	ÿ	ÿ	Lowercase y with umlaut
256	Ā	Ā	Ā	Latin capital letter a with macron
257	ā	ā	ā	Latin small letter a with macron
258	Ă	Ă	Ă	Latin capital letter a with breve
259	ă	ă	ă	Latin small letter a with breve
260	Ą	Ą	Ą	Latin capital letter a with ogonek
261	ą	ą	ą	Latin small letter a with ogonek
262	Ć	Ć	Ć	Latin capital letter c with acute
263	ć	ć	ć	Latin small letter c with acute
264	Ĉ	Ĉ	Ĉ	Latin capital letter c with circumflex
265	ĉ	ĉ	ĉ	Latin small letter c with circumflex
266	Č	Ċ	Ċ	Latin capital letter c with dot above
267	č	ċ	ċ	Latin small letter c with dot above
268	Č	Č	Č	Latin capital letter c with caron
269	č	č	č	Latin small letter c with caron
270	Ď	Ď	Ď	Latin capital letter d with caron
271	ď	ď	ď	Latin small letter d with caron
272	Đ	Đ	Đ	Latin capital letter d with stroke
273	đ	đ	đ	Latin small letter d with stroke
274	Ē	Ē	Ē	Latin capital letter e with macron
275	ē	ē	ē	Latin small letter e with macron
276	Ĕ	&Ebreve;	Ĕ	Latin capital letter e with breve

277	ě	&ebreve;	ĕ	Latin small letter e with breve
278	Ě	Ė	Ė	Latin capital letter e with dot above
279	é	ė	ė	Latin small letter e with dot above
280	Ė	Ę	Ę	Latin capital letter e with ogonek
281	ė	ę	ę	Latin small letter e with ogonek
282	Ě	Ě	Ě	Latin capital letter e with caron
283	ě	ě	ě	Latin small letter e with caron
284	Ĝ	Ĝ	Ĝ	Latin capital letter g with circumflex
285	ĝ	ĝ	ĝ	Latin small letter g with circumflex
286	Ĝ	Ğ	Ğ	Latin capital letter g with breve
287	ĝ	ğ	ğ	Latin small letter g with breve
288	Ġ	Ġ	Ġ	Latin capital letter g with dot above
289	ġ	ġ	ġ	Latin small letter g with dot above
290	Ġ	Ģ	Ģ	Latin capital letter g with cedilla
291	ġ	&gcedil;	ģ	Latin small letter g with cedilla
292	Ĥ	Ĥ	Ĥ	Latin capital letter h with circumflex
293	ĥ	ĥ	ĥ	Latin small letter h with circumflex
294	Ħ	Ħ	Ħ	Latin capital letter h with stroke
295	ħ	ħ	ħ	Latin small letter h with stroke
296	Ĩ	Ĩ	Ĩ	Latin capital letter I with tilde
297	ĩ	ĩ	ĩ	Latin small letter I with tilde
298	Ī	Ī	Ī	Latin capital letter I with macron

299	ī	ī	ī	Latin small letter i with macron
300	İ	&lbreve;	Ĭ	Latin capital letter I with breve
301	ı	&ibreve;	ĭ	Latin small letter i with breve
302	ł	&logon;	Į	Latin capital letter l with ogonek
303	ł	į	į	Latin small letter l with ogonek
304	İ	&ldot;	İ	Latin capital letter I with dot above
305	l	ı ı	ı	Latin small letter dotless l
306	lj	&lJlig;	Ĳ	Latin capital ligature ij
307	ij	ĳ	ĳ	Latin small ligature ij
308	Ĵ	Ĵ	Ĵ	Latin capital letter j with circumflex
309	ĵ	ĵ	ĵ	Latin small letter j with circumflex
310	ķ	Ķ	Ķ	Latin capital letter k with cedilla
311	ķ	ķ	ķ	Latin small letter k with cedilla
312	ƙ	ĸ	ĸ	Latin small letter kra
313	Ĺ	Ĺ	Ĺ	Latin capital letter l with acute
314	ĺ	ĺ	ĺ	Latin small letter l with acute
315	Ľ	Ļ	Ļ	Latin capital letter l with cedilla
316	ļ	ļ	ļ	Latin small letter l with cedilla
317	Ĺ	Ľ	Ľ	Latin capital letter l with caron
318	ĺ	ľ	ľ	Latin small letter l with caron
319	Ł	Ŀ	Ŀ	Latin capital letter l with middle dot
320	ł	ŀ	ŀ	Latin small letter l with middle dot

321	Ł	Ł	Ł	Latin capital letter l with stroke
322	ł	ł	ł	Latin small letter l with stroke
323	Ń	Ń	Ń	Latin capital letter n with acute
324	ń	ń	ń	Latin small letter n with acute
325	Ñ	Ņ	Ņ	Latin capital letter n with cedilla
326	ñ	ņ	ņ	Latin small letter n with cedilla
327	Ň	Ň	Ň	Latin capital letter n with caron
328	ň	ň	ň	Latin small letter n with caron
329	’n	ŉ	ŉ	Latin small letter n preceded by apostrophe
330	Ŋ	Ŋ	Ŋ	Latin capital letter eng
331	ŋ	ŋ	ŋ	Latin small letter eng
332	Ō	Ō	Ō	Latin capital letter o with macron
333	ō	ō	ō	Latin small letter o with macron
334	Ȫ	&Obreve;	Ŏ	Latin capital letter o with breve
335	ȯ	&obreve;	ŏ	Latin small letter o with breve
336	Ő	Ő	Ő	Latin capital letter o with double acute
337	ő	ő	ő	Latin small letter o with double acute
338	Œ	Œ	Œ	Uppercase ligature OE
339	œ	œ	œ	Lowercase ligature OE
340	Ŕ	Ŕ	Ŕ	Latin capital letter r with acute
341	ŕ	ŕ	ŕ	Latin small letter r with acute

342	Ŕ	Ŗ	Ŗ	Latin capital letter r with cedilla
343	ŕ	ŗ	ŗ	Latin small letter r with cedilla
344	Ř	Ř	Ř	Latin capital letter r with caron
345	ř	ř	ř	Latin small letter r with caron
346	Ŝ	Ś	Ś	Latin capital letter s with acute
347	ŝ	ś	ś	Latin small letter s with acute
348	Ŝ	Ŝ	Ŝ	Latin capital letter s with circumflex
349	ŝ	ŝ	ŝ	Latin small letter s with circumflex
350	Ş	Ş	Ş	Latin capital letter s with cedilla
351	ş	ş	ş	Latin small letter s with cedilla
352	Š	Š	Š	Uppercase S with caron
353	š	š	š	Lowercase S with caron
354	Ţ	Ţ	Ţ	Latin capital letter t with cedilla
355	ţ	ţ	ţ	Latin small letter t with cedilla
356	Ť	Ť	Ť	Latin capital letter t with caron
357	ť	ť	ť	Latin small letter t with caron
358	Ƨ	Ŧ	Ŧ	Latin capital letter t with stroke
359	Ƨ	ŧ	ŧ	Latin small letter t with stroke
360	Ŭ	Ũ	Ũ	Latin capital letter u with tilde
361	ũ	ũ	ũ	Latin small letter u with tilde
362	Ū	Ū	Ū	Latin capital letter u with macron
363	ū	ū	ū	Latin small letter u with macron

364	Ů	Ŭ	Ŭ	Latin capital letter u with breve
365	ů	ŭ	ŭ	Latin small letter u with breve
366	Ů	Ů	Ů	Latin capital letter u with ring above
367	ů	ů	ů	Latin small letter u with ring above
368	Ů	Ű	Ű	Latin capital letter u with double acute
369	ů	ű	ű	Latin small letter u with double acute
370	Ů	Ų	Ų	Latin capital letter u with ogonek
371	ů	ų	ų	Latin small letter u with ogonek
372	Ů	Ŵ	Ŵ	Latin capital letter w with circumflex
373	Ů	ŵ	ŵ	Latin small letter w with circumflex
374	Ů	Ŷ	Ŷ	Latin capital letter y with circumflex
375	Ů	ŷ	ŷ	Latin small letter y with circumflex
376	Ů	Ÿ	Ÿ	Capital Y with diaeres
402	f	ƒ	ƒ	Lowercase with hook
710	^	ˆ	ˆ	Circumflex accent
732	~	˜	˜	Tilde
913	A	Α	Α	Alpha
914	B	Β	Β	Beta
915	Γ	Γ	Γ	Gamma
916	Δ	Δ	Δ	Delta
917	E	Ε	Ε	Epsilon

918	Ζ	Ζ	Ζ	Zeta
919	Η	Η	Η	Eta
920	Θ	Θ	Θ	Theta
921	Ι	&lota;	Ι	Iota
922	Κ	Κ	Κ	Kappa
923	Λ	Λ	Λ	Lambda
924	Μ	Μ	Μ	Mu
925	Ν	Ν	Ν	Nu
926	Ξ	Ξ	Ξ	Xi
927	Ο	Ο	Ο	Omicron
928	Π	Π	Π	Pi
929	Ρ	Ρ	Ρ	Rho
931	Σ	Σ	Σ	Sigma
932	Τ	Τ	Τ	Tau
933	Υ	Υ	Υ	Upsilon
934	Φ	Φ	Φ	Phi
935	Χ	Χ	Χ	Chi
936	Ψ	Ψ	Ψ	Psi
937	Ω	Ω	Ω	Omega
945	α	α	α	alpha
946	β	β	β	beta
947	γ	γ	γ	gamma

948	δ	δ	δ	delta
949	ε	ε	ε	epsilon
950	ζ	ζ	ζ	zeta
951	η	η	η	eta
952	θ	θ	θ	theta
953	ι	ι	ι	iota
954	κ	κ	κ	kappa
955	λ	λ	λ	lambda
956	μ	μ	μ	mu
957	ν	ν	ν	nu
958	ξ	ξ	ξ	xi
959	ο	ο	ο	omicron
960	π	π	π	pi
961	ρ	ρ	ρ	rho
962	ς	ς	ς	sigmaf
963	σ	σ	σ	sigma
964	τ	τ	τ	tau
965	υ	υ	υ	upsilon
966	φ	φ	φ	phi
967	χ	χ	χ	chi
968	ψ	ψ	ψ	psi
969	ω	ω	ω	omega

977	θ	ϑ	ϑ	Theta symbol
978	Υ	ϒ	ϒ	Upsilon symbol
982	ϖ	ϖ	ϖ	Pi symbol
8194	En space	 	 	En space
8195	Em space	 	 	Em space
8201	Thin space	 	 	Thin space
8204	Zero width non-joiner	‌	‌	Zero width non-joiner
8205	Zero width joiner	‍	‍	Zero width joiner
8206	Left-to-right mark	&lm;	‎	Left-to-right mark
8207	Right-to-left mark	‏	‏	Right-to-left mark
8211	–	–	–	En dash
8212	—	—	—	Em dash
8216	‘	‘	‘	Left single quotation mark
8217	’	’	’	Right single quotation mark
8218	‚	‚	‚	Single low-9 quotation mark
8220	“	“	“	Left double quotation mark
8221	”	”	”	Right double quotation mark
8222	„	„	„	Double low-9 quotation mark
8224	†	†	†	Dagger
8225	‡	‡	‡	Double dagger
8226	•	•	•	Bullet
8230	...	…	…	Horizontal ellipsis

8240	‰	‰	‰	Per mille
8242	'	′	′	Minutes (Degrees)
8243	"	″	″	Seconds (Degrees)
8249	◁	&lquo;	‹	Single left angle quotation
8250	▷	&rquo;	›	Single right angle quotation
8254	—	‾	‾	Overline
8364	€	€	€	Euro
8482	™	™	™	Trademark
8592	←	←	←	Left arrow
8593	↑	↑	↑	Up arrow
8594	→	→	→	Right arrow
8595	↓	↓	↓	Down arrow
8596	↔	↔	↔	Left right arrow
8629	↵	↵	↵	Carriage return arrow
8704	∀	∀	∀	For all
8706	∂	∂	∂	Part
8707	∃	∃	∃	Exist
8709	∅	∅	∅	Empty
8711	∇	∇	∇	Nabla
8712	∈	∈	∈	Is in
8713	∉	∉	∉	Not in
8715	∋	∋	∋	Ni

8719	\prod	∏	∏	Product
8721	\sum	∑	∑	Sum
8722	$-$	−	−	Minus
8727	$*$	∗	∗	Asterisk (Lowast)
8730	$\sqrt{}$	√	√	Square root
8733	\propto	∝	∝	Proportional to
8734	∞	∞	∞	Infinity
8736	\angle	∠	∠	Angle
8743	\wedge	∧	∧	And
8744	\vee	∨	∨	Or
8745	\cap	∩	∩	Cap
8746	\cup	∪	∪	Cup
8747	\int	∫	∫	Integral
8756	\therefore	∴	∴	Therefore
8764	\sim	∼	∼	Similar to
8773	\cong	≅	≅	Congurent to
8776	\approx	≈	≈	Almost equal
8800	\neq	&neq;	≠	Not equal
8801	\equiv	≡	≡	Equivalent
8804	\leq	≤	≤	Less or equal
8805	\geq	≥	≥	Greater or equal
8834	\subset	⊂	⊂	Subset of

8835	\supset	⊃	⊃	Superset of
8836	$\not\subset$	⊅	⊄	Not subset of
8838	\subseteq	⊆	⊆	Subset or equal
8839	\supseteq	⊇	⊇	Superset or equal
8853	\oplus	⊕	⊕	Circled plus
8855	\otimes	⊗	⊗	Circled times
8869	\perp	⊥	⊥	Perpendicular
8901	\cdot	⋅	⋅	Dot operator
8968	\lceil	⌈	⌈	Left ceiling
8969	\rceil	⌉	⌉	Right ceiling
8970	\lfloor	⌊	⌊	Left floor
8971	\rfloor	⌋	⌋	Right floor
9674	\diamond	◊	◊	Lozenge
9824	\spadesuit	♠	♠	Spade
9827	\clubsuit	♣	♣	Club
9829	\heartsuit	♥	♥	Heart
9830	\diamondsuit	♦	♦	Diamond