

# ASCII Table

ASCII control characters

Dec	Hex	Binary	Char-acter	Description
0	00	00000000	NUL	null
1	01	00000001	SOH	start of header
2	02	00000010	STX	start of text
3	03	00000011	ETX	end of text
4	04	00000100	EOT	end of transmission
5	05	00000101	ENQ	enquiry
6	06	00000110	ACK	acknowledge
7	07	00000111	BEL	bell
8	08	00001000	BS	backspace
9	09	00001001	HT	horizontal tab
10	0A	00001010	LF	line feed
11	0B	00001011	VT	vertical tab
12	0C	00001100	FF	form feed
13	0D	00001101	CR	enter / carriage return
14	0E	00001110	SO	shift out
15	0F	00001111	SI	shift in
16	10	00010000	DLE	data link escape

Dec	Hex	Binary	Char-acter	Description
17	11	00010001	DC1	device control 1
18	12	00010010	DC2	device control 2
19	13	00010011	DC3	device control 3
20	14	00010100	DC4	device control 4
21	15	00010101	NAK	negative acknowledge
22	16	00010110	SYN	synchronize
23	17	00010111	ETB	end of trans. block
24	18	00011000	CAN	cancel
25	19	00011001	EM	end of medium
26	1A	00011010	SUB	substitute
27	1B	00011011	ESC	escape
28	1C	00011100	FS	file separator
29	1D	00011101	GS	group separator
30	1E	00011110	RS	record separator
31	1F	00011111	US	unit separator
127	7F	01111111	DEL	delete

ASCII printable characters

Dec	Hex	Binary	Char-acter	Description
32	20	00100000	Space	space
33	21	00100001	!	exclamation mark
34	22	00100010	"	double quote
35	23	00100011	#	number
36	24	00100100	\$	dollar
37	25	00100101	%	percent
38	26	00100110	&	ampersand
39	27	00100111	'	single quote
40	28	00101000	(	left parenthesis
41	29	00101001	)	right parenthesis
42	2A	00101010	*	asterisk
43	2B	00101011	+	plus
44	2C	00101100	,	comma
45	2D	00101101	-	minus
46	2E	00101110	.	period
47	2F	00101111	/	slash
48	30	00110000	0	zero
49	31	00110001	1	one
50	32	00110010	2	two

Dec	Hex	Binary	Char-acter	Description
51	33	00110011	3	three
52	34	00110100	4	four
53	35	00110101	5	five
54	36	00110110	6	six
55	37	00110111	7	seven
56	38	00111000	8	eight
57	39	00111001	9	nine
58	3A	00111010	:	colon
59	3B	00111011	;	semicolon
60	3C	00111100	<	less than
61	3D	00111101	=	equality sign
62	3E	00111110	>	greater than
63	3F	00111111	?	question mark
64	40	01000000	@	at sign
65	41	01000001	A	
66	42	01000010	B	
67	43	01000011	C	
68	44	01000100	D	
69	45	01000101	E	

Dec	Hex	Binary	Char- acter	Description
70	46	01000110	F	
71	47	01000111	G	
72	48	01001000	H	
73	49	01001001	I	
74	4A	01001010	J	
75	4B	01001011	K	
76	4C	01001100	L	
77	4D	01001101	M	
78	4E	01001110	N	
79	4F	01001111	O	
80	50	01010000	P	
81	51	01010001	Q	
82	52	01010010	R	
83	53	01010011	S	
84	54	01010100	T	
85	55	01010101	U	
86	56	01010110	V	
87	57	01010111	W	
88	58	01011000	X	

Dec	Hex	Binary	Char-acter	Description
89	59	01011001	Y	
90	5A	01011010	Z	
91	5B	01011011	[	left square bracket
92	5C	01011100	\	backslash
93	5D	01011101	]	right square bracket
94	5E	01011110	^	caret / circumflex
95	5F	01011111	_	underscore
96	60	01100000	`	grave / accent
97	61	01100001	a	
98	62	01100010	b	
99	63	01100011	c	
100	64	01100100	d	
101	65	01100101	e	
102	66	01100110	f	
103	67	01100111	g	
104	68	01101000	h	
105	69	01101001	i	
106	6A	01101010	j	
107	6B	01101011	k	

Dec	Hex	Binary	Char- acter	Description
108	6C	01101100	l	
109	6D	01101101	m	
110	6E	01101110	n	
111	6F	01101111	o	
112	70	01110000	p	
113	71	01110001	q	
114	72	01110010	r	
115	73	01110011	s	
116	74	01110100	t	
117	75	01110101	u	
118	76	01110110	v	
119	77	01110111	w	
120	78	01111000	x	
121	79	01111001	y	
122	7A	01111010	z	
123	7B	01111011	{	left curly bracket
124	7C	01111100		vertical bar
125	7D	01111101	}	right curly bracket
126	7E	01111110	~	tilde

Dec	Hex	Binary	Char-acter	Description
127	7F	01111111	DEL	delete

#### Extended ASCII characters

Dec	Hex	Binary	Char-acter	Description
128	80	10000000	?	
129	81	10000001	?	
130	82	10000010	?	
131	83	10000011	?	
132	84	10000100	?	
133	85	10000101	?	
134	86	10000110	?	
135	87	10000111	?	
136	88	10001000	^	
137	89	10001001	?	
138	8A	10001010	?	
139	8B	10001011	?	
140	8C	10001100	?	
141	8D	10001101	?	
142	8E	10001110	?	



Dec	Hex	Binary	Char-acter	Description
143	8F	10001111	?	
144	90	10010000	?	
145	91	10010001	?	
146	92	10010010	?	
147	93	10010011	?	
148	94	10010100	?	
149	95	10010101	?	
150	96	10010110	?	
151	97	10010111	?	
152	98	10011000	~	
153	99	10011001	?	
154	9A	10011010	?	
155	9B	10011011	?	
156	9C	10011100	?	
157	9D	10011101	?	
158	9E	10011110	?	
159	9F	10011111	?	
160	A0	10100000		space
161	A1	10100001	i	

Dec	Hex	Binary	Char-acter	Description
162	A2	10100010	¢	cent
163	A3	10100011	£	pound
164	A4	10100100	¤	currency sign
165	A5	10100101	¥	yen, yuan
166	A6	10100110	¦	broken bar
167	A7	10100111	§	section sign
168	A8	10101000	¨	
169	A9	10101001	©	copyright
170	AA	10101010	ª	ordinal indicator
171	AB	10101011	«	
172	AC	10101100	¬	
173	AD	10101101		
174	AE	10101110	®	registered trademark
175	AF	10101111	¯	
176	B0	10110000	°	degree
177	B1	10110001	±	plus-minus
178	B2	10110010	²	
179	B3	10110011	³	
180	B4	10110100	´	

Dec	Hex	Binary	Char-acter	Description
181	B5	10110101	μ	mu
182	B6	10110110	¶	pilcrow
183	B7	10110111	·	
184	B8	10111000	,	
185	B9	10111001	¹	
186	BA	10111010	º	ordinal indicator
187	BB	10111011	»	
188	BC	10111100	¼	
189	BD	10111101	½	
190	BE	10111110	¾	
191	BF	10111111	¿	inverted question mark
192	C0	11000000	À	
193	C1	11000001	Á	
194	C2	11000010	Â	
195	C3	11000011	Ã	
196	C4	11000100	Ä	
197	C5	11000101	Å	
198	C6	11000110	Æ	
199	C7	11000111	Ç	

Dec	Hex	Binary	Char-acter	Description
200	C8	11001000	È	
201	C9	11001001	É	
202	CA	11001010	Ê	
203	CB	11001011	Ë	
204	CC	11001100	Ì	
205	CD	11001101	Í	
206	CE	11001110	Î	
207	CF	11001111	Ï	
208	D0	11010000	Ð	
209	D1	11010001	Ñ	
210	D2	11010010	Ò	
211	D3	11010011	Ó	
212	D4	11010100	Ô	
213	D5	11010101	Õ	
214	D6	11010110	Ö	
215	D7	11010111	×	multiplication sign
216	D8	11011000	Ø	
217	D9	11011001	Ù	
218	DA	11011010	Ú	

Dec	Hex	Binary	Char- acter	Description
219	DB	11011011	Û	
220	DC	11011100	Ü	
221	DD	11011101	Ý	
222	DE	11011110	Þ	
223	DF	11011111	ß	
224	E0	11100000	à	
225	E1	11100001	á	
226	E2	11100010	â	
227	E3	11100011	ã	
228	E4	11100100	ä	
229	E5	11100101	å	
230	E6	11100110	æ	
231	E7	11100111	ç	
232	E8	11101000	è	
233	E9	11101001	é	
234	EA	11101010	ê	
235	EB	11101011	ë	
236	EC	11101100	ì	
237	ED	11101101	í	

Dec	Hex	Binary	Char- acter	Description
238	EE	11101110	ê	
239	EF	11101111	ë	
240	F0	11110000	ð	
241	F1	11110001	ñ	
242	F2	11110010	ò	
243	F3	11110011	ó	
244	F4	11110100	ô	
245	F5	11110101	õ	
246	F6	11110110	ö	
247	F7	11110111	÷	obelus
248	F8	11111000	ø	
249	F9	11111001	ù	
250	FA	11111010	ú	
251	FB	11111011	û	
252	FC	11111100	ü	
253	FD	11111101	ý	
254	FE	11111110	þ	
255	FF	11111111	ÿ	