ASCII Table

R rapidtables.com/code/text/ascii-table.html

ASCII (American Standard Code for Information Interchange) character code chart with decimal,hex,binary,HTML and description:

Dec	Hex	Binary	HTML	Char	Description
0	00	00000000	& #0;	NUL	Null
1	01	00000001	& #1;	SOH	Start of Header
2	02	00000010	& #2;	STX	Start of Text
3	03	00000011	& #3;	ETX	End of Text
4	04	00000100	 ;	EOT	End of Transmission
5	05	00000101	& #5;	ENQ	Enquiry
6	06	00000110	&# 6;	ACK	Acknowledge
7	07	00000111	& #7;	BEL	Bell
8	80	00001000	&#8;</td><td>BS</td><td>Backspace</td></tr><tr><td>9</td><td>09</td><td>00001001</td><td>&#9;</td><td>HT</td><td>Horizontal Tab</td></tr><tr><td>10</td><td>0A</td><td>00001010</td><td>&#10;</td><td>LF</td><td>Line Feed</td></tr><tr><td>11</td><td>0B</td><td>00001011</td><td></td><td>VT</td><td>Vertical Tab</td></tr><tr><td>12</td><td>0C</td><td>00001100</td><td>&#12;</td><td>FF</td><td>Form Feed</td></tr><tr><td>13</td><td>0D</td><td>00001101</td><td>&#13;</td><td>CR</td><td>Carriage Return</td></tr><tr><td>14</td><td>0E</td><td>00001110</td><td>&#14;</td><td>SO</td><td>Shift Out</td></tr><tr><td>15</td><td>0F</td><td>00001111</td><td>&#15;</td><td>SI</td><td>Shift In</td></tr><tr><td>16</td><td>10</td><td>00010000</td><td>&#16;</td><td>DLE</td><td>Data Link Escape</td></tr><tr><td>17</td><td>11</td><td>00010001</td><td>&#17;</td><td>DC1</td><td>Device Control 1</td></tr><tr><td>18</td><td>12</td><td>00010010</td><td>&#18;</td><td>DC2</td><td>Device Control 2</td></tr><tr><td>19</td><td>13</td><td>00010011</td><td>&#19;</td><td>DC3</td><td>Device Control 3</td></tr><tr><td>20</td><td>14</td><td>00010100</td><td>&#20;</td><td>DC4</td><td>Device Control 4</td></tr><tr><td>21</td><td>15</td><td>00010101</td><td></td><td>NAK</td><td>Negative Acknowledge</td></tr></tbody></table>		

22 16 000101110 SYN Synchronize 23 17 00010111 ETB End of Transmission Blo 24 18 00011001 CAN Cancel 25 19 00011001 EM End of Medium 26 1A 00011010 SUB Substitute 27 1B 00011101 ESC Escape 28 1C 00011101 FS File Separator 29 1D 00011111 RS Record Separator 30 1E 00011111 US Unit Separator 31 1F 00011111 US Unit Separator 32 20 00100001 space Space 33 21 00100001 ! ! exclamation mark 34 22 00100101 # # number<	Dec	Hex	Binary	HTML	Char	Description
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 00011110 RS Record Separator 30 1E 00011111 US Unit Separator 31 1F 00011111 US Unit Separator 32 20 00100000 space Space 33 21 00100001 ! ! exclamation mark 34 22 00100010 " " double quote 35 23 0010010 # # number 36 24 0010010 % % percent <tr< td=""><td>22</td><td>16</td><td>00010110</td><td>&#22;</td><td>SYN</td><td>Synchronize</td></tr<>	22	16	00010110	& #22;	SYN	Synchronize
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 00011110 RS Record Separator 30 1E 00011111 US Unit Separator 31 1F 00011111 US Unit Separator 32 20 00100000 space Space 33 21 00100001 ! ! exclamation mark 34 22 00100010 " " double quote 35 23 0010010 # # number 36 24 0010010 % % percent 38 26 0010011 & & ampersand <tr< td=""><td>23</td><td>17</td><td>00010111</td><td>&#23;</td><td>ETB</td><td>End of Transmission Block</td></tr<>	23	17	00010111	& #23;	ETB	End of Transmission Block
26 1A 00011010 SUB Substitute 27 1B 00011011 ESC Escape 28 1C 00011100 FS File Separator 29 1D 00011110 GS Group Separator 30 1E 00011111 RS Record Separator 31 1F 00011111 US Unit Separator 32 20 00100000 space Space 33 21 00100001 ! ! exclamation mark 34 22 00100010 " " double quote 35 23 0010010 # # number 36 24 0010010 % % percent 38 26 0010011 ' ' single quote 40 28 0010100 ((left parenthesis	24	18	00011000	& #24;	CAN	Cancel
27 1B 00011011 ESC Escape 28 1C 00011100 FS File Separator 29 1D 00011110 RS Record Separator 30 1E 00011111 US Unit Separator 31 1F 00011111 US Unit Separator 32 20 00100000 space Space 33 21 00100001 ! ! exclamation mark 34 22 00100010 " " double quote 35 23 00100101 # # number 36 24 00100100 \$ \$ dollar 37 25 00100101 % % percent 38 26 00100111 ' ' single quote 40 28 00101000 ((left parenthesis <	25	19	00011001	& #25;	EM	End of Medium
28 1C 00011100 FS File Separator 29 1D 00011101 GS Group Separator 30 1E 00011110 RS Record Separator 31 1F 00011111 US Unit Separator 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 00101000 ((left parenthesis 41 29 00101001)) right parenthesis <td>26</td> <td>1A</td> <td>00011010</td> <td>&#26;</td> <td>SUB</td> <td>Substitute</td>	26	1A	00011010	& #26;	SUB	Substitute
29 1D 00011101 GS Group Separator 30 1E 00011110 RS Record Separator 31 1F 00010111 US Unit Separator 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 ((left parenthesis 41 29 00101001)) right parenthesis 42 2A 00101011 * * asterisk <	27	1B	00011011	& #27;	ESC	Escape
30 1E 00011110 RS Record Separator 31 1F 00011111 US Unit Separator 32 20 00100000 space Space 33 21 00100010 ! ! exclamation mark 34 22 00100011 # # number 35 23 0010011 # # number 36 24 00100100 \$ \$ dollar 37 25 00100110 % % percent 38 26 00100110 & & ampersand 39 27 00100111 ' ' single quote 40 28 00101000 ((left parenthesis 41 29 00101001)) right parenthesis 42 2A 0010101 * * asterisk 43 2B 00101011 + + plus 44 2C 00101100 , , comma 45 2D 00101101 - - minus 46 2E 00101110 . . period	28	1C	00011100	& #28;	FS	File Separator
31 1F 00011111 US Unit Separator 32 20 00100000 space Space 33 21 00100010 ! ! 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 00101011 + + plus 43 2B 00101101 , , comma 44 </td <td>29</td> <td>1D</td> <td>00011101</td> <td>&#29;</td> <td>GS</td> <td>Group Separator</td>	29	1D	00011101	& #29;	GS	Group Separator
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 0010101 * * asterisk 43 2B 0010110 , , comma 44 2C 0010110 - - minus 46	30	1E	00011110	& #30;	RS	Record Separator
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 0010101 * * asterisk 43 2B 0010101 + + plus 44 2C 0010110 , , comma 45 2D 00101101 - - minus 46 2E 00101110 . . period	31	1F	00011111		US	Unit Separator
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	32	20	00100000	& #32;	space	Space
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 0010101 + + plus 44 2C 00101100 , , comma 45 2D 00101101 - - minus 46 2E 00101110 . . period	33	21	00100001	& #33;	!	exclamation mark
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	34	22	00100010	& #34;	"	double quote
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	35	23	00100011	& #35;	#	number
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	36	24	00100100	& #36;	\$	dollar
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	37	25	00100101	& #37;	%	percent
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	38	26	00100110	& #38;	&	ampersand
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	39	27	00100111	& #39;	1	single quote
42 2A 00101010 * * asterisk 43 2B 00101011 + + plus 44 2C 00101100 , , comma 45 2D 00101101 - - minus 46 2E 00101110 . . period	40	28	00101000	& #40;	(left parenthesis
43 2B 00101011 + + plus 44 2C 00101100 , , comma 45 2D 00101101 - - minus 46 2E 00101110 . . period	41	29	00101001))	right parenthesis
44 2C 00101100 , , comma 45 2D 00101101 - - minus 46 2E 00101110 . . period	42	2A	00101010	*	*	asterisk
45 2D 00101101 - - minus 46 2E 00101110 . . period	43	2B	00101011	& #43;	+	plus
46 2E 00101110 . . period	44	2C	00101100	& #44;	,	comma
, ,	45	2D	00101101	& #45;	-	minus
47 2F 00101111 / / slash	46	2E	00101110	& #46;		period
	47	2F	00101111	/	/	slash
48 30 00110000 0 0 zero	48	30	00110000	& #48;	0	zero

Dec	Hex	Binary	HTML	Char	Description
49	31	00110001	& #49;	1	one
50	32	00110010	& #50;	2	two
51	33	00110011	& #51;	3	three
52	34	00110100	& #52;	4	four
53	35	00110101	& #53;	5	five
54	36	00110110	& #54;	6	six
55	37	00110111	& #55;	7	seven
56	38	00111000	& #56;	8	eight
57	39	00111001	& #57;	9	nine
58	3A	00111010	& #58;	•	colon
59	3B	00111011	& #59;	,	semicolon
60	3C	00111100	& #60;	<	less than
61	3D	00111101	& #61;	=	equality sign
62	3E	00111110	& #62;	>	greater than
63	3F	00111111	& #63;	?	question mark
64	40	01000000	& #64;	@	at sign
65	41	01000001	& #65;	Α	
66	42	01000010	& #66;	В	
67	43	01000011	& #67;	С	
68	44	01000100	& #68;	D	
69	45	01000101	& #69;	Е	
70	46	01000110	& #70;	F	
71	47	01000111	G	G	
72	48	01001000	& #72;	Н	
73	49	01001001	& #73;	I	
74	4A	01001010	& #74;	J	
75	4B	01001011	& #75;	K	

Dec	Hex	Binary	HTML	Char	Description
76	4C	01001100	& #76;	L	
77	4D	01001101	& #77;	M	
78	4E	01001110	& #78;	N	
79	4F	01001111	& #79;	Ο	
80	50	01010000	& #80;	Р	
81	51	01010001	& #81;	Q	
82	52	01010010	& #82;	R	
83	53	01010011	& #83;	S	
84	54	01010100	& #84;	Т	
85	55	01010101	& #85;	U	
86	56	01010110	& #86;	V	
87	57	01010111	& #87;	W	
88	58	01011000	& #88;	Χ	
89	59	01011001	& #89;	Υ	
90	5A	01011010	& #90;	Z	
91	5B	01011011	& #91;	[left square bracket
92	5C	01011100	& #92;	\	backslash
93	5D	01011101	& #93;]	right square bracket
94	5E	01011110	& #94;	٨	caret / circumflex
95	5F	01011111	& #95;	_	underscore
96	60	01100000	& #96;	•	grave / accent
97	61	01100001	& #97;	а	
98	62	01100010	& #98;	b	
99	63	01100011	& #99;	С	
100	64	01100100	& #100;	d	
101	65	01100101	e	е	
102	66	01100110	& #102;	f	

Dec	Hex	Binary	HTML	Char	Description
103	67	01100111	& #103;	g	
104	68	01101000	h	h	
105	69	01101001	& #105;	i	
106	6A	01101010	& #106;	j	
107	6B	01101011	& #107;	k	
108	6C	01101100	& #108;	I	
109	6D	01101101	& #109;	m	
110	6E	01101110	n	n	
111	6F	01101111	o	0	
112	70	01110000	p	р	
113	71	01110001	q	q	
114	72	01110010	r	r	
115	73	01110011	s	S	
116	74	01110100	t	t	
117	75	01110101	u	u	
118	76	01110110	v	٧	
119	77	01110111	w	W	
120	78	01111000	& #120;	Х	
121	79	01111001	y	у	
122	7A	01111010	& #122;	Z	
123	7B	01111011	{	{	left curly bracket
124	7C	01111100			vertical bar
125	7D	01111101	& #125;	}	right curly bracket
126	7E	01111110	& #126;	~	tilde
127	7F	01111111	& #127;	DEL	delete

<u>ASCII,Hex,Dec,Bin,Base64 converter</u> ►

Extended ASCII table

Dec	Hex	Binary	HTML	Char
128	80	10000000	-	_
129	81	10000001	-	^
130	82	10000010	-	†
131	83	10000011	-	ŧ
132	84	10000100	-	8
133	85	10000101	-	•
134	86	10000110	-	₩,
135	87	10000111	-	耄
136	88	10001000	-	5
137	89	10001001	-	7
138	8A	10001010	-	.
139	8B	10001011	-	左
140	8C	10001100	-	ŝ
141	8D	10001101	-	
142	8E	10001110	-	×
143	8F	10001111	-	÷
144	90	10010000	-	
145	91	10010001	-	ទ័
146	92	10010010	-	
147	93	10010011	-	And And
148	94	10010100	-	*† *
149	95	10010101	-	ł
150	96	10010110	-	•
151	97	10010111	-	\$ 6
152	98	10011000	-	*
153	99	10011001	-	×

Dec	Hex	Binary	HTML	Char
			1111111	Cital
154	9A	10011010	-	≢ = "
155	9B	10011011	-	=
156	9C	10011100	-	
157	9D	10011101	-	
158	9E	10011110	-	
159	9F	10011111	-	E
160	A0	10100000	& #160;	
161	A1	10100001	¡	i
162	A2	10100010	& #162;	¢
163	А3	10100011	& #163;	£
164	A4	10100100	¤	¤
165	A5	10100101	& #165;	¥
166	A6	10100110	& #166;	l I
167	A7	10100111	& #167;	§
168	A8	10101000	& #168;	
169	A9	10101001	& #169;	©
170	AA	10101010	& #170;	а
171	AB	10101011	«	«
172	AC	10101100	& #172;	٦
173	AD	10101101	­	
174	AE	10101110	®	®
175	AF	10101111	¯	_
176	В0	10110000	& #176;	0
177	B1	10110001	±	±
178	B2	10110010	& #178;	2
179	ВЗ	10110011	& #179;	3
180	B4	10110100	& #180;	,

Dec	Hex	Binary	HTML	Char
181	B5	10110101	µ	μ
182	B6	10110110	& #182;	¶
183	B7	10110111	·	
184	B8	10111000	¸	5
185	В9	10111001	& #185;	1
186	ВА	10111010	& #186;	0
187	ВВ	10111011	& #187;	»
188	ВС	10111100	& #188;	1/4
189	BD	10111101	& #189;	1/2
190	BE	10111110	& #190;	3/4
191	BF	10111111	¿	Ś
192	C0	11000000	& #192;	À
193	C1	11000001	& #193;	Á
194	C2	11000010	Â	Â
195	C3	11000011	& #195;	Ã
196	C4	11000100	& #196;	Ä
197	C5	11000101	& #197;	Å
198	C6	11000110	& #198;	Æ
199	C7	11000111	& #199;	Ç
200	C8	11001000	& #200;	È
201	C9	11001001	& #201;	É
202	CA	11001010	& #202;	Ê
203	СВ	11001011	& #203;	Ë
204	CC	11001100	& #204;	Ì
205	CD	11001101	& #205;	ĺ
206	CE	11001110	& #206;	î
207	CF	11001111	& #207;	Ϊ

Dec	Hex	Binary	HTML	Char
208	D0	11010000	& #208;	Ð
209	D1	11010001	& #209;	Ñ
210	D2	11010010	& #210;	Ò
211	D3	11010011	Ó	Ó
212	D4	11010100	& #212;	Ô
213	D5	11010101	& #213;	Õ
214	D6	11010110	Ö	Ö
215	D7	11010111	& #215;	×
216	D8	11011000	& #216;	Ø
217	D9	11011001	Ù	Ù
218	DA	11011010	& #218;	Ú
219	DB	11011011	& #219;	Û
220	DC	11011100	& #220;	Ü
221	DD	11011101	Ý	Ý
222	DE	11011110	& #222;	Þ
223	DF	11011111	& #223;	ß
224	E0	11100000	& #224;	à
225	E1	11100001	& #225;	á
226	E2	11100010	& #226;	â
227	E3	11100011	& #227;	ã
228	E4	11100100	& #228;	ä
229	E5	11100101	& #229;	å
230	E6	11100110	& #230;	æ
231	E7	11100111	& #231;	Ç
232	E8	11101000	& #232;	è
233	E9	11101001	& #233;	é
234	EA	11101010	& #234;	ê

Dec	Hex	Binary	HTML	Char
235	EB	11101011	& #235;	ë
236	EC	11101100	& #236;	ì
237	ED	11101101	& #237;	ĺ
238	EE	11101110	& #238;	î
239	EF	11101111	& #239;	ï
240	F0	11110000	& #240;	ð
241	F1	11110001	ñ	ñ
242	F2	11110010	& #242;	Ò
243	F3	11110011	& #243;	Ó
244	F4	11110100	& #244;	ô
245	F5	11110101	& #245;	õ
246	F6	11110110	& #246;	Ö
247	F7	11110111	& #247;	÷
248	F8	11111000	& #248;	Ø
249	F9	11111001	& #249;	ù
250	FA	11111010	& #250;	ú
251	FB	11111011	& #251;	û
252	FC	11111100	& #252;	ü
253	FD	11111101	& #253;	ý
254	FE	11111110	& #254;	þ
255	FF	11111111	& #255;	ÿ

What is ASCII code

ASCII (American Standard Code for Information Interchange) is a 7-bit characters code, with values from 0 to 127. The ASCII code is a subset of UTF-8 code. The ASCII code includes control characters and printable characters: digits, uppercase letters and lowercase letters.

ASCII vs Unicode

ASCII is a 7-bit characters code, with values from 0 to 7F ₁₆ . Unicode characters code	e is a
superset of ASCII that contains the ASCII code with values from 0 to 10FFFF ₁₆	

<u>Unicode character table</u> ►