

ASCII Table

Reference to ASCII Table of Windows-1252

ASCII control characters (character code 0-31)

The first 32 characters in the ASCII-table are unprintable control codes and are used to control peripherals such as printers.

DEC	OCT	HEX	BIN	Symbol	HTML Number	HTML Name	Description
0	000	00	00000000	NUL	�		Null character '\0'
1	001	01	00000001	SOH			Start of Heading
2	002	02	00000010	STX			Start of Text
3	003	03	00000011	ETX			End of Text
4	004	04	00000100	EOT			End of Transmission
5	005	05	00000101	ENQ			Enquiry
6	006	06	00000110	ACK			Acknowledge
7	007	07	00000111	BEL			Bell, Alert
8	010	08	00001000	BS			Backspace
9	011	09	00001001	HT				Horizontal Tab '\t'
10	012	0A	00001010	LF	
		Line Feed '\n'
11	013	0B	00001011	VT			Vertical Tabulation
12	014	0C	00001100	FF			Form Feed
13	015	0D	00001101	CR			Carriage Return
14	016	0E	00001110	SO			Shift Out
15	017	0F	00001111	SI			Shift In
16	020	10	00010000	DLE			Data Link Escape
17	021	11	00010001	DC1			Device Control One (XON)
18	022	12	00010010	DC2			Device Control Two
19	023	13	00010011	DC3			Device Control Three (XOFF)
20	024	14	00010100	DC4			Device Control Four
21	025	15	00010101	NAK			Negative Acknowledge
22	026	16	00010110	SYN			Synchronous Idle
23	027	17	00010111	ETB			End of Transmission Block
24	030	18	00011000	CAN			Cancel
25	031	19	00011001	EM			End of medium
26	032	1A	00011010	SUB			Substitute
27	033	1B	00011011	ESC			Escape
28	034	1C	00011100	FS			File Separator
29	035	1D	00011101	GS			Group Separator
30	036	1E	00011110	RS			Record Separator
31	037	1F	00011111	US			Unit Separator

ASCII printable characters (character code 32-127)

Codes 32-127 are common for all the different variations of the ASCII table, they are called printable characters, represent letters, digits, punctuation marks, and a few miscellaneous symbols. You will find almost every character on your keyboard. Character 127 represents the command DEL.

DEC	OCT	HEX	BIN	Symbol	HTML Number	HTML Name	Description
32	040	20	00100000	SP	 		Space
33	041	21	00100001	!	!	!	Exclamation mark
34	042	22	00100010	"	"	"	Double quotes (or speech marks)
35	043	23	00100011	#	#	#	Number sign
36	044	24	00100100	\$	$	$	Dollar
37	045	25	00100101	%	%	%	Per cent sign
38	046	26	00100110	&	&	&	Ampersand
39	047	27	00100111	'	'	'	Single quote
40	050	28	00101000	((&lparen;	Open parenthesis (or open bracket)
41	051	29	00101001))	&rparen;	Close parenthesis (or close bracket)
42	052	2A	00101010	*	*	*	Asterisk
43	053	2B	00101011	+	+	+	Plus
44	054	2C	00101100	,	,	,	Comma
45	055	2D	00101101	-	-		Hyphen-minus
46	056	2E	00101110	.	.	.	Period, dot or full stop
47	057	2F	00101111	/	/	/	Slash or divide
48	060	30	00110000	0	0		Zero
49	061	31	00110001	1	1		One
50	062	32	00110010	2	2		Two
51	063	33	00110011	3	3		Three
52	064	34	00110100	4	4		Four
53	065	35	00110101	5	5		Five
54	066	36	00110110	6	6		Six
55	067	37	00110111	7	7		Seven
56	070	38	00111000	8	8		Eight
57	071	39	00111001	9	9		Nine
58	072	3A	00111010	:	:	:	Colon
59	073	3B	00111011	;	;	;	Semicolon
60	074	3C	00111100	<	<	<	Less than (or open angled bracket)
61	075	3D	00111101	=	=	=	Equals
62	076	3E	00111110	>	>	>	Greater than (or close angled bracket)
63	077	3F	00111111	?	?	?	Question mark
64	100	40	01000000	@	@	@	At sign
65	101	41	01000001	A	A		Uppercase A
66	102	42	01000010	B	B		Uppercase B
67	103	43	01000011	C	C		Uppercase C
68	104	44	01000100	D	D		Uppercase D
69	105	45	01000101	E	E		Uppercase E
70	106	46	01000110	F	F		Uppercase F

DEC	OCT	HEX	BIN	Symbol	HTML Number	HTML Name	Description
71	107	47	01000111	G	G		Uppercase G
72	110	48	01001000	H	H		Uppercase H
73	111	49	01001001	I	I		Uppercase I
74	112	4A	01001010	J	J		Uppercase J
75	113	4B	01001011	K	K		Uppercase K
76	114	4C	01001100	L	L		Uppercase L
77	115	4D	01001101	M	M		Uppercase M
78	116	4E	01001110	N	N		Uppercase N
79	117	4F	01001111	O	O		Uppercase O
80	120	50	01010000	P	P		Uppercase P
81	121	51	01010001	Q	Q		Uppercase Q
82	122	52	01010010	R	R		Uppercase R
83	123	53	01010011	S	S		Uppercase S
84	124	54	01010100	T	T		Uppercase T
85	125	55	01010101	U	U		Uppercase U
86	126	56	01010110	V	V		Uppercase V
87	127	57	01010111	W	W		Uppercase W
88	130	58	01011000	X	X		Uppercase X
89	131	59	01011001	Y	Y		Uppercase Y
90	132	5A	01011010	Z	Z		Uppercase Z
91	133	5B	01011011	[[[Opening bracket
92	134	5C	01011100	\	\	\	Backslash
93	135	5D	01011101]]]	Closing bracket
94	136	5E	01011110	^	^	^	Caret - circumflex
95	137	5F	01011111	_	_	_	Underscore
96	140	60	01100000	`	`	`	Grave accent
97	141	61	01100001	a	a		Lowercase a
98	142	62	01100010	b	b		Lowercase b
99	143	63	01100011	c	c		Lowercase c
100	144	64	01100100	d	d		Lowercase d
101	145	65	01100101	e	e		Lowercase e
102	146	66	01100110	f	f		Lowercase f
103	147	67	01100111	g	g		Lowercase g
104	150	68	01101000	h	h		Lowercase h
105	151	69	01101001	i	i		Lowercase i
106	152	6A	01101010	j	j		Lowercase j
107	153	6B	01101011	k	k		Lowercase k
108	154	6C	01101100	l	l		Lowercase l
109	155	6D	01101101	m	m		Lowercase m
110	156	6E	01101110	n	n		Lowercase n
111	157	6F	01101111	o	o		Lowercase o
112	160	70	01110000	p	p		Lowercase p
113	161	71	01110001	q	q		Lowercase q

DEC	OCT	HEX	BIN	Symbol	HTML Number	HTML Name	Description
114	162	72	01110010	r	r		Lowercase r
115	163	73	01110011	s	s		Lowercase s
116	164	74	01110100	t	t		Lowercase t
117	165	75	01110101	u	u		Lowercase u
118	166	76	01110110	v	v		Lowercase v
119	167	77	01110111	w	w		Lowercase w
120	170	78	01111000	x	x		Lowercase x
121	171	79	01111001	y	y		Lowercase y
122	172	7A	01111010	z	z		Lowercase z
123	173	7B	01111011	{	{	{	Opening brace
124	174	7C	01111100		|	|	Vertical bar
125	175	7D	01111101	}	}	}	Closing brace
126	176	7E	01111110	~	~	˜	Equivalency sign - tilde
127	177	7F	01111111	DEL			Delete