ASCII Table

ASCII stands for **American Standard Code for Information Interchange**. Computers can only understand numbers, so an ASCII code is the numerical representation of a character such as 'a' or '@' or an action of some sort.

Below is the complete 7-bit **ASCII character table** and decimal equivalent.

Dec	Chr	Dec	Chr	Dec	Chr	Dec	Chr	Dec	Chr
0	NUL	26	SUB	52	4	78	N	104	h
1	SOH	27	ESC	53	5	79	O	105	i
2	STX	28	FS	54	6	80	P	106	j
3	ETX	29	GS	55	7	81	Q	107	k
4	EOT	30	RS	56	8	82	R	108	l
5	ENQ	31	US	57	9	83	S	109	m
6	ACK	32		58	:	84	T	110	n
7	BEL	33	!	59	;	85	U	111	o
8	BS	34	"	60	<	86	V	112	p
9	HT	35	#	61	=	87	W	113	q
10	LF	36	$	62	>	88	X	114	r
11	VT	37	%	63	?	89	Y	115	s
12	FF	38	&	64	@	90	Z	116	t
13	CR	39	'	65	A	91	[	117	u
14	SO	40	(	[illegible]	B	92	\	118	v

Dec	Chr	Dec	Chr	Dec	Chr	Dec	Chr	Dec	Chr
20	DC4	46	.	72	H	98	b	124	|
21	NAK	47	/	73	I	99	c	125	}
22	SYN	48	0	74	J	100	d	126	~
23	ETB	49	1	75	K	101	e	127	DEL
24	CAN	50	2	76	L	102	f		
25	EM	51	3	77	M	103	g		

Standard and Control Characters

ASCII was originally created in 1963 as a standard for sending text over phone lines, and first used with teleprinters. It consists of **128 characters** (7-bit). The first 32 characters (0-31) and 127 (DEL) are actually commands historically used to control the teleprinter, such as the well-known carriage return (13) and line feed (10). For this reason they are referred to as **control characters**, **control codes**, or **non-printable characters**.

The remainder of the 128 characters are the visible, printable characters most people would equate to **plain text**. These make up the ASCII **Standard Character Set** and include upper case letters, lower case letters, numbers, and basic punctuation.

"Save as ASCII Format"

Today, non-printing characters are rarely used for their original purposes. However, if someone says they want your CV or resume in "ASCII format," all this means is they want 'plain' text with **no formatting** such as tabs, bold, or underscoring—the raw format that any computer can understand. This is usually so they can easily import the file into their own applications without issues. You can create ASCII text using Notepad.exe, or by saving an MS Word document as 'Text Only'.

Below is the detailed table with octal, binary, HTML entities, and descriptions added. HTML entities are friendly names that are easier to remember than the ASCII code.

Numbers (0-9) | Uppercase (A-Z) | Lowercase (a-z) | Punctuation & Symbols

Control Codes

Standard ASCII Set (0-127)

Search ASCII (e.g. '65', 'Space', 'Null')...

👆 **Tap any row to instantly copy its codes to your clipboard!**

Dec	Hex	Oct	Bin	HTML Code & Name	Chr	Description
0	00	000	00000000	&#0;	NUL	Null
1	01	001	00000001	&#1;	SOH	Start of Heading
2	02	002	00000010	&#2;	STX	Start of Text
3	03	003	00000011	&#3;	ETX	End of Text
4	04	004	00000100	&#4;	EOT	End of Transmission
5	05	005	00000101	&#5;	ENQ	Enquiry
6	06	006	00000110	&#6;	ACK	Acknowledge
7	07	007	00000111	&#7;	BEL	Bell
8	08	010	00001000	&#8;	BS	Backspace
9	09	011	00001001		HT	Horizontal Tab
10	0A	012	00001010
LF	NL Line Feed, New Line
11	0B	013	00001011	&#11;	VT	Vertical Tab
12	0C	014	00001100		FF	NP Form Feed, New Page
13	0D	015	00001101
CR	Carriage Return
14	0E	016	00001110	&#14;	SO	Shift Out
15	0F	017	00001111	&#15;	SI	Shift In
16	10	020	00010000	&#16;	DLE	Data Link Escape
17	11	021	00010001	&#17;	DC1	Device Control 1
18	12	022	00010010	&#18;	DC2	Device Control 2
19	13	023	00010011	&#19;	DC3	Device Control 3
20	14	024	00010100	&#20;	DC4	Device Control 4
21	15	025	00010101	&#21;	NAK	Negative Acknowledge
22	16	026	00010110	&#22;	SYN	Synchronous Idle
23	17	027	00010111	&#23;	ETB	End of Transmission Block
24	18	030	00011000	&#24;	CAN	Cancel

Dec	Hex	Oct	Bin	HTML Code & Name	Chr	Description
31	1F	037	00011111	&#31;	US	Unit Separator
32	20	040	00100000		(Space)	Space
33	21	041	00100001	! !	!	Exclamation Mark
34	22	042	00100010	" "	"	Double Quote
35	23	043	00100011	# #	#	Hash or Number
36	24	044	00100100	$ $	$	Dollar Sign
37	25	045	00101001	% %	%	Percent
38	26	046	00100110	& &	&	Ampersand
39	27	047	00100111	' '	'	Single Quote
40	28	050	00101000	((	(	Left Parenthesis
41	29	051	00101001	))	)	Right Parenthesis
42	2A	052	00101010	* *	*	Asterisk
43	2B	053	00101011	+ +	+	Plus
44	2C	054	00101100	, ,	,	Comma
45	2D	055	00101101	- −	-	Hyphen
46	2E	056	00101110	. .	.	Period
47	2F	057	00101111	/ /	/	Slash
48	30	060	00110000	0	0	Digit 0
49	31	061	00110001	1	1	Digit 1
50	32	062	00110010	2	2	Digit 2
51	33	063	00110011	3	3	Digit 3
52	34	064	00110100	4	4	Digit 4
53	35	065	00110101	5	5	Digit 5
54	36	066	00110110	6	6	Digit 6
55	37	067	00110111	7	7	Digit 7
56	38	070	00111000	8	8	Digit 8
57	39	071	00111001	9	9	Digit 9
58	3A	072	00111010	: :	:	Colon
59	3B	073	00111011	;	;	Semicolon

Dec	Hex	Oct	Bin	HTML Code & Name	Chr	Description
63	3F	077	00111111	? ?	?	Question Mark
64	40	100	01000000	@ @	@	At Sign
65	41	101	01000001	A	A	Uppercase A
66	42	102	01000010	B	B	Uppercase B
67	43	103	01000011	C	C	Uppercase C
68	44	104	01000100	D	D	Uppercase D
69	45	105	01000101	E	E	Uppercase E
70	46	106	01000110	F	F	Uppercase F
71	47	107	01000111	G	G	Uppercase G
72	48	110	01001000	H	H	Uppercase H
73	49	111	01001001	I	I	Uppercase I
74	4A	112	01001010	J	J	Uppercase J
75	4B	113	01001011	K	K	Uppercase K
76	4C	114	01001100	L	L	Uppercase L
77	4D	115	01001101	M	M	Uppercase M
78	4E	116	01001110	N	N	Uppercase N
79	4F	117	01001111	O	O	Uppercase O
80	50	120	01010000	P	P	Uppercase P
81	51	121	01010001	Q	Q	Uppercase Q
82	52	122	01010010	R	R	Uppercase R
83	53	123	01010011	S	S	Uppercase S
84	54	124	01010100	T	T	Uppercase T
85	55	125	01010101	U	U	Uppercase U
86	56	126	01010110	V	V	Uppercase V
87	57	127	01010111	W	W	Uppercase W
88	58	130	01011000	X	X	Uppercase X
89	59	131	01011001	Y	Y	Uppercase Y
90	5A	132	01011010	Z	Z	Uppercase Z
91	5B	133	01011011	[[	[	Left Square Bracket
92	5C	134	01011100	\ \	\	Backslash
93	5D	135	01011101	]]	]	Right Square Bracket
94	5E	136	01011110	^ ^	^	Caret
95	5F	137	01011111	_ _	_	Underscore
96	60	140	01100000	` `	`	Grave Accent

Dec	Hex	Oct	Bin	HTML Code & Name	Chr	Description
103	67	147	01100111	g	g	Lowercase g
104	68	150	01101000	h	h	Lowercase h
105	69	151	01101001	i	i	Lowercase i
106	6A	152	01101010	j	j	Lowercase j
107	6B	153	01101011	k	k	Lowercase k
108	6C	154	01101100	l	l	Lowercase l
109	6D	155	01101101	m	m	Lowercase m
110	6E	156	01101110	n	n	Lowercase n
111	6F	157	01101111	o	o	Lowercase o
112	70	160	01110000	p	p	Lowercase p
113	71	161	01110001	q	q	Lowercase q
114	72	162	01110010	r	r	Lowercase r
115	73	163	01110011	s	s	Lowercase s
116	74	164	01110100	t	t	Lowercase t
117	75	165	01110101	u	u	Lowercase u
118	76	166	01110110	v	v	Lowercase v
119	77	167	01110111	w	w	Lowercase w
120	78	170	01111000	x	x	Lowercase x
121	79	171	01111001	y	y	Lowercase y
122	7A	172	01111010	z	z	Lowercase z
123	7B	173	01111011	{ {	{	Left Curly Brace
124	7C	174	01111100				|	Vertical Bar
125	7D	175	01111101	} }	}	Right Curly Brace
126	7E	176	01111110	~ ˜	~	Tilde
127	7F	177	01111111	&#127;	DEL	Delete

Ready to save 50%? Use code SAVEHALF

Switch to Visible+ Pro annual and pay $225 upfront. That's like paying $18.75/mo

Switch now

Add'l terms apply

© 2026 AsciiTable.com. All rights reserved.

Privacy Preferences

We and our partners share information on your use of this website to help improve your experience. For more information, or to opt out click the Do Not Sell My Information button below.

Consent

Do Not Sell My Information