Binary / Decimal / Hex Conversion Chart

Decimal 0-127 - canonical non-negative integer representations. Binary = base 2; decimal = base 10; hexadecimal = base 16.

Dec	Binary	Hex	Dec	Binary	Hex
0	0	0	64	1000000	40
1	1	1	65	1000001	41
2	10	2	66	1000010	42
3	11	3	67	1000011	43
4	100	4	68	1000100	44
5	101	5	69	1000101	45
6	110	6	70	1000110	46
7	111	7	71	1000111	47
8	1000	8	72	1001000	48
9	1001	9	73	1001001	49
10	1010	A	74	1001010	4A
11	1011	B	75	1001011	4B
12	1100	C	76	1001100	4C
13	1101	D	77	1001101	4D
14	1110	E	78	1001110	4E
15	1111	F	79	1001111	4F
16	10000	10	80	1010000	50
17	10001	11	81	1010001	51
18	10010	12	82	1010010	52
19	10011	13	83	1010011	53
20	10100	14	84	1010100	54
21	10101	15	85	1010101	55
22	10110	16	86	1010110	56
23	10111	17	87	1010111	57
24	11000	18	88	1011000	58
25	11001	19	89	1011001	59
26	11010	1A	90	1011010	5A
27	11011	1B	91	1011011	5B
28	11100	1C	92	1011100	5C
29	11101	1D	93	1011101	5D
30	11110	1E	94	1011110	5E
31	11111	1F	95	1011111	5F
32	100000	20	96	1100000	60
33	100001	21	97	1100001	61
34	100010	22	98	1100010	62
35	100011	23	99	1100011	63
36	100100	24	100	1100100	64
37	100101	25	101	1100101	65
38	100110	26	102	1100110	66
39	100111	27	103	1100111	67
40	101000	28	104	1101000	68
41	101001	29	105	1101001	69
42	101010	2A	106	1101010	6A
43	101011	2B	107	1101011	6B
44	101100	2C	108	1101100	6C
45	101101	2D	109	1101101	6D
46	101110	2E	110	1101110	6E
47	101111	2F	111	1101111	6F
48	110000	30	112	1110000	70
49	110001	31	113	1110001	71
50	110010	32	114	1110010	72
51	110011	33	115	1110011	73
52	110100	34	116	1110100	74
53	110101	35	117	1110101	75
54	110110	36	118	1110110	76
55	110111	37	119	1110111	77
56	111000	38	120	1111000	78
57	111001	39	121	1111001	79
58	111010	3A	122	1111010	7A
59	111011	3B	123	1111011	7B
60	111100	3C	124	1111100	7C
61	111101	3D	125	1111101	7D
62	111110	3E	126	1111110	7E
63	111111	3F	127	1111111	7F

Reading the chart: leading zeros do not change a non-negative integer value, but this chart shows canonical values without unnecessary leading zeros. Prefixes such as 0b/0x, signed or fixed-width interpretation, and two's-complement semantics are outside this chart.
Parent/reference: Numeral Systems, BigInt & Exact Integer Representation; ECMAScript BigInt and Number.MAX_SAFE_INTEGER references. **Version 1.0 - reviewed 2026-10-07.**

Binary / Decimal / Hex Conversion Chart

Decimal 128-255 - canonical non-negative integer representations. Binary = base 2; decimal = base 10; hexadecimal = base 16.

Dec	Binary	Hex	Dec	Binary	Hex
128	10000000	80	192	11000000	C0
129	10000001	81	193	11000001	C1
130	10000010	82	194	11000010	C2
131	10000011	83	195	11000011	C3
132	10000100	84	196	11000100	C4
133	10000101	85	197	11000101	C5
134	10000110	86	198	11000110	C6
135	10000111	87	199	11000111	C7
136	10001000	88	200	11001000	C8
137	10001001	89	201	11001001	C9
138	10001010	8A	202	11001010	CA
139	10001011	8B	203	11001011	CB
140	10001100	8C	204	11001100	CC
141	10001101	8D	205	11001101	CD
142	10001110	8E	206	11001110	CE
143	10001111	8F	207	11001111	CF
144	10010000	90	208	11010000	D0
145	10010001	91	209	11010001	D1
146	10010010	92	210	11010010	D2
147	10010011	93	211	11010011	D3
148	10010100	94	212	11010100	D4
149	10010101	95	213	11010101	D5
150	10010110	96	214	11010110	D6
151	10010111	97	215	11010111	D7
152	10011000	98	216	11011000	D8
153	10011001	99	217	11011001	D9
154	10011010	9A	218	11011010	DA
155	10011011	9B	219	11011011	DB
156	10011100	9C	220	11011100	DC
157	10011101	9D	221	11011101	DD
158	10011110	9E	222	11011110	DE
159	10011111	9F	223	11011111	DF
160	10100000	A0	224	11100000	E0
161	10100001	A1	225	11100001	E1
162	10100010	A2	226	11100010	E2
163	10100011	A3	227	11100011	E3
164	10100100	A4	228	11100100	E4
165	10100101	A5	229	11100101	E5
166	10100110	A6	230	11100110	E6
167	10100111	A7	231	11100111	E7
168	10101000	A8	232	11101000	E8
169	10101001	A9	233	11101001	E9
170	10101010	AA	234	11101010	EA
171	10101011	AB	235	11101011	EB
172	10101100	AC	236	11101100	EC
173	10101101	AD	237	11101101	ED
174	10101110	AE	238	11101110	EE
175	10101111	AF	239	11101111	EF
176	10110000	B0	240	11110000	F0
177	10110001	B1	241	11110001	F1
178	10110010	B2	242	11110010	F2
179	10110011	B3	243	11110011	F3
180	10110100	B4	244	11110100	F4
181	10110101	B5	245	11110101	F5
182	10110110	B6	246	11110110	F6
183	10110111	B7	247	11110111	F7
184	10111000	B8	248	11111000	F8
185	10111001	B9	249	11111001	F9
186	10111010	BA	250	11111010	FA
187	10111011	BB	251	11111011	FB
188	10111100	BC	252	11111100	FC
189	10111101	BD	253	11111101	FD
190	10111110	BE	254	11111110	FE
191	10111111	BF	255	11111111	FF

Reading the chart: leading zeros do not change a non-negative integer value, but this chart shows canonical values without unnecessary leading zeros. Prefixes such as 0b/0x, signed or fixed-width interpretation, and two's-complement semantics are outside this chart.
Parent/reference: Numeral Systems, BigInt & Exact Integer Representation; ECMAScript BigInt and Number.MAX_SAFE_INTEGER references. **Version 1.0 - reviewed 2026-10-07.**