Binary/Decimal/Hexadecimal/ASCII Character Conversion Chart

| bin | dec | hex | char |
|--------|-----|-----|------|
| 0 | 0 | 0 | NUL |
| 1 | 1 | 1 | STX |
| 10 | 2 | 2 | SOT |
| 11 | 3 | 3 | ETX |
| 100 | 4 | 4 | EOT |
| 101 | 5 | 5 | ENQ |
| 110 | 6 | 6 | ACK |
| 111 | 7 | 7 | BEL |
| 1000 | 8 | 8 | BS |
| 1001 | 9 | 9 | HT |
| 1010 | 10 | A | LF |
| 1011 | 11 | В | VT |
| 1100 | 12 | С | FF |
| 1101 | 13 | D | CR |
| 1110 | 14 | E | SO |
| 1111 | 15 | F | SI |
| 10000 | 16 | 10 | DLE |
| 10001 | 17 | 11 | DC1 |
| 10010 | 18 | 12 | DC2 |
| 10011 | 19 | 13 | DC3 |
| 10100 | 20 | 14 | DC4 |
| 10101 | 21 | 15 | NAK |
| 10110 | 22 | 16 | SYN |
| 10111 | 23 | 17 | ETB |
| 11000 | 24 | 18 | CAN |
| 11001 | 25 | 19 | EM |
| 11010 | 26 | 1A | SUB |
| 11011 | 27 | 1B | ESC |
| 11100 | 28 | 1C | FS |
| 11101 | 29 | 1D | GS |
| 11110 | 30 | 1E | RS |
| 11111 | 31 | 1F | US |
| 100000 | 32 | 20 | SP |
| 100001 | 33 | 21 | ! |
| 100010 | 34 | 22 | II . |
| 100011 | 35 | 23 | # |
| 100100 | 36 | 24 | \$ |
| 100101 | 37 | 25 | % |
| 100110 | 38 | 26 | & |
| 100111 | 39 | 27 | ı |
| 101000 | 40 | 28 | (|
| 101001 | 41 | 29 |) |
| 101010 | 42 | 2A | * |

| bin | dec | hex | char |
|---------|----------|-----|------|
| 101011 | 43 | 2B | + |
| 101100 | 44 | 2C | ' |
| 101101 | 45 | 2D | _ |
| 101110 | 46 | 2E | |
| 101111 | 47 | 2F | / |
| 110000 | 48 | 30 | 0 |
| 110000 | 49 | 31 | 1 |
| 110001 | 50 | 32 | 2 |
| 110010 | 51 | 33 | 3 |
| 110100 | 52 | 34 | 4 |
| 110100 | 53 | 35 | 5 |
| 110111 | 54 | 36 | 6 |
| 110111 | 55 | 37 | 7 |
| 111000 | 56 | 38 | |
| 111000 | 57 | 39 | 9 |
| | | | |
| 111010 | 58 59 | 3A | : |
| 111011 | | 3B | ; |
| 111100 | 60 | 3C | < |
| 111101 | 61 | 3D | = |
| 111110 | 62 | 3E | > |
| 111111 | 63 | 3F | ? |
| 1000000 | 64 | 40 | @ |
| 1000001 | 65 | 41 | A |
| 1000010 | 66 | 42 | В |
| 1000011 | 67 | 43 | C |
| 1000100 | 68 | 44 | D |
| 1000101 | 69 | 45 | E |
| 1000110 | 70 | 46 | F |
| 1000111 | 71 | 47 | G |
| 1001000 | 72 | 48 | H |
| 1001001 | 73 | 49 | I |
| 1001010 | 74 | 4A | J |
| 1001011 | 75 | 4B | K |
| 1001100 | 76 | 4C | L |
| 1001101 | 77 | 4D | M |
| 1001110 | 78 | 4E | N |
| 1001111 | 79 | 4F | 0 |
| 1010000 | 80 | 50 | P |
| 1010001 | 81 | 51 | Q |
| 1010010 | 82 | 52 | R |
| 1010011 | 83 | 53 | S |
| 1010100 | 84 | 54 | Т |
| 1010101 | 85 | 55 | U |

| bin | dec | hex | char |
|---------|-----|-----|------|
| 1010110 | 86 | 56 | V |
| 1010111 | 87 | 57 | W |
| 1011000 | 88 | 58 | Х |
| 1011001 | 89 | 59 | Y |
| 1011010 | 90 | 5A | Z |
| 1011011 | 91 | 5B | [|
| 1011100 | 92 | 5C | \ |
| 1011101 | 93 | 5D |] |
| 1011110 | 94 | 5E | ^ |
| 1011111 | 95 | 5F | _ |
| 1100000 | 96 | 60 | ` |
| 1100001 | 97 | 61 | a |
| 1100010 | 98 | 62 | b |
| 1100011 | 99 | 63 | С |
| 1100100 | 100 | 64 | d |
| 1100101 | 101 | 65 | е |
| 1100110 | 102 | 66 | f |
| 1100111 | 103 | 67 | g |
| 1101000 | 104 | 68 | h |
| 1101001 | 105 | 69 | i |
| 1101010 | 106 | бA | j |
| 1101011 | 107 | 6В | k |
| 1101100 | 108 | 6C | 1 |
| 1101101 | 109 | 6D | m |
| 1101110 | 110 | 6E | n |
| 1101111 | 111 | 6F | 0 |
| 1110000 | 112 | 70 | р |
| 1110001 | 113 | 71 | đ |
| 1110010 | 114 | 72 | r |
| 1110011 | 115 | 73 | s |
| 1110100 | 116 | 74 | t |
| 1110101 | 117 | 75 | u |
| 1110110 | 118 | 76 | V |
| 1110111 | 119 | 77 | W |
| 1111000 | 120 | 78 | х |
| 1111001 | 121 | 79 | У |
| 1111010 | 122 | 7A | Z |
| 1111011 | 123 | 7в | { |
| 1111100 | 124 | 7C | |
| 1111101 | 125 | 7D | } |
| 1111110 | 126 | 7E | ~ |
| 1111111 | 127 | 7F | DEL |
| | | | |