**ASCII TABLE**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **value** | **ASCII Code** | **Binary** | **Oct** | **Hex** | **value** | **ASCII Code** | **Binary** | **Oct** | **Hex** |
| NUL | 0 | 0000000 | 0000 | 0x00 | (sp) | 32 | 0100000 | 0040 | 0x20 |
| SOH | 1 | 0000001 | 0001 | 0x01 | ! | 33 | 0100001 | 0041 | 0x21 |
| STX | 2 | 0000010 | 0002 | 0x02 | “ | 34 | 0100010 | 0042 | 0x22 |
| ETX | 3 | 0000011 | 0003 | 0x03 | # | 35 | 0100011 | 0043 | 0x23 |
| EOT | 4 | 0000100 | 0004 | 0x04 | $ | 36 | 0100100 | 0044 | 0x24 |
| ENQ | 5 | 0000101 | 0005 | 0x05 | % | 37 | 0100101 | 0045 | 0x25 |
| ACK | 6 | 0000111 | 0006 | 0x06 | & | 38 | 0100110 | 0046 | 0x26 |
| BEL | 7 | 0000110 | 0007 | 0x07 | ‘ | 39 | 0100111 | 0047 | 0x27 |
| BS | 8 | 0001000 | 0010 | 0x08 | ( | 40 | 0101000 | 0050 | 0x28 |
| HT | 9 | 0001001 | 0011 | 0x09 | ) | 41 | 0101001 | 0051 | 0x29 |
| LF | 10 | 0001010 | 0012 | 0x0a | \* | 42 | 0101010 | 0052 | 0x2a |
| VT | 11 | 0001011 | 0013 | 0x0b | + | 43 | 0101011 | 0053 | 0x2b |
| FF | 12 | 0001100 | 0014 | 0x0c | , | 44 | 0101100 | 0054 | 0x2c |
| CR | 13 | 0001101 | 0015 | 0x0d | - | 45 | 0101101 | 0055 | 0x2d |
| SO | 14 | 0001110 | 0016 | 0x0e | . | 46 | 0101110 | 0056 | 0x2e |
| SI | 15 | 0001111 | 0017 | 0x0f | / | 47 | 0101111 | 0057 | 0x2f |
| DLE | 16 | 0010000 | 0020 | 0x10 | 0 | 48 | 0110000 | 0060 | 0x30 |
| DC1 | 17 | 0010001 | 0021 | 0x11 | 1 | 49 | 0110001 | 0061 | 0x31 |
| DC2 | 18 | 0010010 | 0022 | 0x12 | 2 | 50 | 0110010 | 0062 | 0x32 |
| DC3 | 19 | 0010011 | 0023 | 0x13 | 3 | 51 | 0110011 | 0063 | 0x33 |
| DC4 | 20 | 0010100 | 0024 | 0x14 | 4 | 52 | 0110100 | 0064 | 0x34 |
| NAK | 21 | 0010101 | 0025 | 0x15 | 5 | 53 | 0110101 | 0065 | 0x35 |
| SYN | 22 | 0010110 | 0026 | 0x16 | 6 | 54 | 0110110 | 0066 | 0x36 |
| ETB | 23 | 0010111 | 0027 | 0x17 | 7 | 55 | 0110111 | 0067 | 0x37 |
| CAN | 24 | 0011000 | 0030 | 0x18 | 8 | 56 | 0111000 | 0070 | 0x38 |
| EM | 25 | 0011001 | 0031 | 0x19 | 9 | 57 | 0111001 | 0071 | 0x39 |
| SUB | 26 | 0011010 | 0032 | 0x1a | : | 58 | 0111010 | 0072 | 0x3a |
| ESC | 27 | 0011011 | 0033 | 0x1b | ; | 59 | 0111011 | 0073 | 0x3b |
| FS | 28 | 0011100 | 0034 | 0x1c | < | 60 | 0111100 | 0074 | 0x3c |
| GS | 29 | 0011101 | 0035 | 0x1d | = | 61 | 0111101 | 0075 | 0x3d |
| RS | 30 | 0011110 | 0036 | 0x1e | > | 62 | 0111110 | 0076 | 0x3e |
| US | 31 | 0011111 | 0037 | 0x1f | ? | 63 | 0111111 | 0077 | 0x3f |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **value** | **ASCII Code** | **Binary** | **Oct** | **Hex** | **value** | **ASCII Code** | **Binary** | **Oct** | **Hex** |
| @ | 64 | 01000000 | 0100 | 0x40 | ` | 96 | 01100000 | 0140 | 0x60 |
| A | 65 | 01000001 | 0101 | 0x41 | a | 97 | 01100001 | 0141 | 0x61 |
| B | 66 | 01000010 | 0102 | 0x42 | b | 98 | 01100010 | 0142 | 0x62 |
| C | 67 | 01000011 | 0103 | 0x43 | c | 99 | 01100011 | 1043 | 0x63 |
| D | 68 | 01000100 | 0104 | 0x44 | d | 100 | 01100100 | 0144 | 0x64 |
| E | 69 | 01000101 | 0105 | 0x45 | e | 101 | 01100101 | 0145 | 0x65 |
| F | 70 | 01000110 | 0106 | 0x46 | f | 102 | 01100110 | 0146 | 0x66 |
| G | 71 | 01000111 | 0107 | 0x47 | g | 103 | 01100111 | 0147 | 0x67 |
| H | 72 | 01001000 | 0110 | 0x48 | h | 104 | 01101000 | 0150 | 0x68 |
| I | 73 | 01001001 | 0111 | 0x49 | 1 | 105 | 01101001 | 0151 | 0x69 |
| J | 74 | 01001010 | 0112 | 0x4a | j | 106 | 01101001 | 0152 | 0x6a |
| K | 75 | 01001011 | 0113 | 0x4b | k | 107 | 01101011 | 0153 | 0x6b |
| L | 76 | 01001100 | 0114 | 0x4c | l | 108 | 01101100 | 0154 | 0x6c |
| M | 77 | 01001101 | 0115 | 0x4d | m | 109 | 01101101 | 0155 | 0x6d |
| N | 78 | 01001110 | 0116 | 0x4e | n | 110 | 01101110 | 0156 | 0x6e |
| O | 79 | 01001111 | 0117 | 0x4f | o | 111 | 01101111 | 0157 | 0x6f |
| P | 80 | 01010000 | 0120 | 0x50 | p | 112 | 01110000 | 0160 | 0x70 |
| Q | 81 | 01010001 | 0121 | 0x51 | q | 113 | 01110001 | 0161 | 0x71 |
| R | 82 | 01010010 | 0122 | 0x52 | r | 114 | 01110010 | 0162 | 0x72 |
| S | 83 | 01010011 | 0123 | 0x53 | s | 115 | 01110011 | 0163 | 0x73 |
| T | 84 | 01010100 | 0124 | 0x54 | t | 116 | 01110100 | 0164 | 0x74 |
| U | 85 | 01010101 | 0125 | 0x55 | u | 117 | 01110101 | 0165 | 0x75 |
| V | 86 | 01010110 | 0126 | 0x56 | v | 118 | 01110110 | 0166 | 0x76 |
| W | 87 | 01010111 | 0127 | 0x57 | w | 119 | 01110111 | 0167 | 0x77 |
| X | 88 | 01011000 | 0130 | 0x58 | x | 120 | 01111000 | 0170 | 0x78 |
| Y | 89 | 01011001 | 0131 | 0x59 | y | 121 | 01111001 | 0171 | 0x79 |
| Z | 90 | 01011010 | 0132 | 0x5a | z | 122 | 01111010 | 0172 | 0x7a |
| [ | 91 | 01011011 | 0133 | 0x5b | { | 123 | 01111011 | 0173 | 0x7b |
| \ | 92 | 01011100 | 0134 | 0x5c | | | 124 | 01111100 | 0174 | 0x7c |
| ] | 93 | 01011101 | 0135 | 0x5d | } | 125 | 01111101 | 0175 | 0x7d |
| ^ | 94 | 01011110 | 0136 | 0x5e | ~ | 126 | 01111110 | 0176 | 0x7e |
| \_ | 95 | 01011111 | 0137 | 0x5f | DEL | 127 | 01111111 | 0177 | 0x7f |