

BINARY TO DECIMAL CONVERSION CHART

How to Convert

1. Identify the position of each **1** in the binary string.
2. Find the corresponding **Power of 2** value for that position.
3. Add those values together to get the **Decimal** total.

Example: $1011 = (8 + 2 + 1) = 11$

Binary Example	0	0	0	0	1	0	1	0	10
Binary Example	0	0	1	0	0	0	0	0	32
Binary Example	0	1	1	1	1	1	1	1	127
Binary Example	1	1	1	1	1	1	1	1	255

Practice

Practice

Practice

Reference Chart for 8-bit Byte Conversion