Binary Hex Decimal Converter

Convert unsigned whole numbers among binary, decimal and hexadecimal without losing integer precision. Enter digits only, excluding prefixes such as 0x and 0b.

Formula: value = sum(digit * base^position)

INPUTS AND EXAMPLE VALUES

Unsigned digits: 255

Input base: 10; choices: 2 (Binary), 10 (Decimal), 16 (Hexadecimal)

CHECK THE DEFAULT EXAMPLE

Binary: 11111111

Decimal: 255

Hexadecimal: FF

LIMITS AND CONVENTIONS

No fractions, signs, or two’s-complement interpretation are inferred.

The input is limited to 4,096 digits.

METHOD AND SOURCES

https://azhanmh.com/guides/tools/binary-hex-decimal-converter

MDN - BigInt: exact integers and radix notation: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/BigInt

Display precision is for reporting; keep unrounded values for later calculations. Verify units and conventions. This reference does not replace institution, employer or network rules.