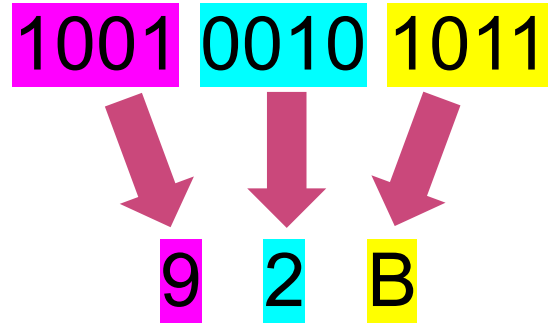


WHAT IS HEXADECIMAL?

Hexadecimal, or base-16, is another system used in the world of computers. Hexadecimal, or hex, is a halfway point between decimal and binary. Each digit in hex represents four bits in binary and is more visually appealing for humans.



If you've already learned binary, learning hexadecimal is easy! All you have to do is change it from a base-2 system to a base-16 system. For each additional digit, you will be increasing the power of 16 instead of the power of 2.

Because our number system only has 10 digits, we use A, B, C, D, E, & F to represent 11, 12, 13, 14, & 15.

Decimal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hexadecimal	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	16^2	16^1	16^0
Decimal Value	256	16	1
Hexadecimal Value	1	B	F

$$\text{HEXADECIMAL } 1BF = \text{DECIMAL } 447$$

HEX COLOR CODES

Hexadecimal is commonly used for the determining colors. A hex color code consists of six digits that correspond to three different color values: Red, Green, and Blue. Each color has a value from 0-255, determined by a two-digit hex number.

2A54D8

EFFABE

F54F4E

Red	Green	Blue
2A 42	54 84	D8 216
EF 239	FA 250	BE 190
F5 245	4F 79	4E 78

