

MNEMONICS

A useful mnemonic matches the first letter of the color code, by order of increasing magnitude. There are many variations:

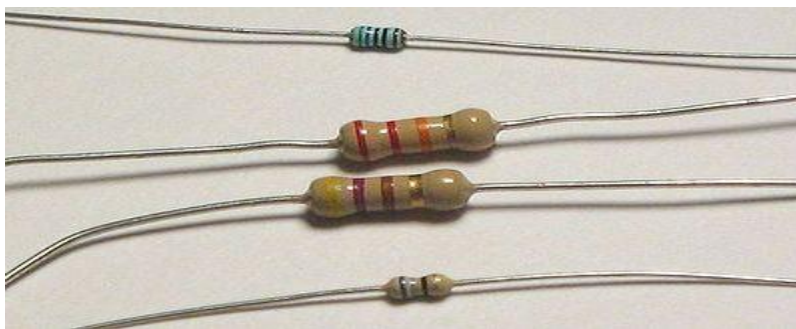
Bad boys rape our young girls but Violet gives willingly.[5]

The tolerance codes, gold, silver, and none, are not usually included in the mnemonics; one extension that includes them is:

Bad beer rots our young guts but vodka goes well – get some now.[6]

The colors are sorted in the order of the visible light spectrum: red (2), orange (3), yellow (4), green (5), blue (6), violet (7). Black (0) has no energy, brown (1) has a little more, white (9) has everything and grey (8) is like white, but less intense.[7]

Examples



Color coded resistors

From top to bottom:

- Green-Blue-Brown-Brown
 - 560 ohms \pm 1%
- Red-Red-Orange-Gold
 - 22,000 ohms \pm 5%
- Yellow-Violet-Brown-Gold
 - 470 ohms \pm 5%
- Blue-Gray-Black-Silver
 - 68 ohms \pm 10%

The physical size of a resistor is indicative of the power it can dissipate, not of its resistance.

Source: http://web.ua.es/docivis/magnet/electronic_color_code.html