

Resistors

Colour	First Band	Second Band	Multiplier
Black	0	0	10^0
Brown	1	1	10^1
Red	2	2	10^2
Orange	3	3	10^3
Yellow	4	4	10^4
Green	5	5	10^5
Blue	6	6	10^6
Violet	7	7	10^7
Gray	8	8	10^8
White	9	9	10^9

Read from left to right

Fourth band is either gold or silver: Tolerance. Gold means $\pm 5\%$

Examples



$$22 \times 10^1 = 220\Omega \text{ with } \pm 5\% \text{ tolerance}$$



$$10 \times 10^1 = 100\Omega \text{ with } \pm 5\% \text{ tolerance}$$