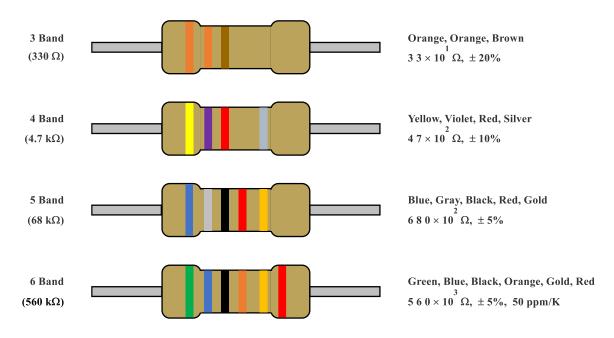
How to Read Resistor Color Codes

Note that the wider gap between bands should be on the r.h.s. for proper reading orientation.



Color Black Brown Red Orange Yellow Green Blue Violet Gray White Gold Silver	
Brown Red Orange Yellow Green Blue Violet Gray White Gold	Color
Red Orange Yellow Green Blue Violet Gray White Gold	Black
Orange Yellow Green Blue Violet Gray White Gold	Brown
Yellow Green Blue Violet Gray White Gold	Red
Green Blue Violet Gray White Gold	Orange
Blue Violet Gray White Gold	Yellow
Violet Gray White Gold	Green
Gray White Gold	Blue
White Gold	Violet
Gold	Gray
	White
Silver	Gold
	Silver
None	None

1 st Digit	2 nd Digit	3 rd Digit (5&6 Band Only)
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

	_
Multiplier	
$10^{0} = 1$	
$10^1 = 10$	
$10^2 = 100$	
10 ³ = 1 k	
10 ⁴ = 10 k	
10 ⁵ = 100 k	
$10^6 = 1 M$	
$10^7 = 10 M$	
10 ⁸ = 100 M	Ī
10 ⁹ = 1 G	
$10^{-1} = 0.1$	
$10^{-2} = 0.01$	

Tolerance
\sim
± 1%
± 2%
\bigvee
\bigvee
± 0.5%
± 0.25%
± 0.1%
± 0.05%
\bigvee
± 5%
± 10%
± 20%
•

Temperature
Coefficient
(6 Band Only)
250 ppm/K
100 ppm/K
50 ppm/K
15 ppm/K
25 ppm/K
20 ppm/K
10 ppm/K
5 ppm/K
1 ppm/K



Benny Bengal Roars Over Your Great Big Victory, Game Winner!