

## Resistor Color Codes

Band Color	Memory Guides		1st Band #	2nd Band #	3rd Band #	Multiplier x	Tolerances ± %
Black	Bad	Bad	0	0	0	1	
Brown	Booze	Boys	1	1	1	10	± 1 %
Red	Rots	Rape	2	2	2	100	± 2 %
Orange	Our	Out	3	3	3	1000	
Yellow	Young	Young	4	4	4	10,000	
Green	Guts	Girls	5	5	5	100,000	± 0.5 %
Blue	But	But	6	6	6	1,000,000	± 0.25 %
Violet	Vine Rose is	Violet	7	7	7	10,000,000	± 0.10 %
Grey	Great	Gives	8	8	8	100,000,000	± 0.05 %
White	Wine	Willingly	9	9	9	1,000,000,000	
Gold						0.1	± 5 %
Silver						0.01	± 10 %
None							± 20 %