Resistor Color Code Table

For those in the electronics business that are color blind, working with resistors and color coded capacitors can be difficult. This table names (as well as shows) the colors and the values. To use the calculator, select a value from the vertical group of Color Band 1, from Color Band 2 and from Color Band 3. Immediately to the left of the Calculate Values button below the three bands, there are three boxes that upon selection of a color from the bands, an identifying number and color will correspond in appearance. After selecting a value from all three bands, click on Calculate Values and the resistor's value is calculated and will appear as well as a text representation of the three bands. This calculator does not consider the 4th Band, tolerance, since it would not change the calculation. You may change a value by again clicking on the band values from any of the three bands but be sure to click on Calculate Values after each selection to update the correct information of resistor value and color band text representation.

	Band Color Options	Band #1 Possible	Band #2 Possible	Band #3 Possible	Multiplier Value For Band 3	Band #4 Value Tolerance
Black		0	1	1		
Brown	1	1	1	10		
Red	2	2	2	100		
Orange	3	3	3	1,000		
Yellow	4	4	4	10,000		
Green	5	5	5	100,000		
Blue	6	6	6	1,000,000		
Violet	7	7		10,000,000		
Gray	8	8		100,000,000		
White	9	9		1,000,000,000		
None					20%	
Silver					10%	
Gold					5%	

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