

# Resistor Colour Codes

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Use the colour code provided in your notes to answer the following questions.

1. What are the values of resistance and the tolerances of the following three resistors?

	Band			
	1	2	3	4
Resistor 1	Brown	Black	Red	Silver
Resistor 2	Yellow	Violet	Orange	Gold
Resistor 3	Green	Blue	Yellow	None

2. What are the colour codes for the following?

- (a)  $150\ \Omega \pm 10\%$
- (b)  $10\ \Omega \pm 5\%$
- (c)  $3.9\ \text{k}\Omega \pm 10\%$
- (d)  $10\ \text{k}\Omega \pm 10\%$
- (e)  $330\ \text{k}\Omega \pm 5\%$
- (f)  $1\ \text{M}\Omega \pm 10\%$

3. What are the possible range of values of a resistor with the following colours:

	Band			
	1	2	3	4
Resistor 1	Yellow	Violet	Green	None
Resistor 2	Orange	Orange	Yellow	Gold
Resistor 3	Brown	Black	Yellow	Silver



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