

**Flame test:**

$\text{Li}^+$	Red
$\text{Na}^+$	Yellow
$\text{K}^+$	Violet
$\text{Ca}^{2+}$	Red/orange
$\text{Li}^{2+}$	red

**d-block compound colors:**

$\text{Cu}^{2+}$	Blue
$\text{Mn}^{2+}$	Pink
$\text{Co}^{2+}$	Reddish/pink
$\text{Fe}^{2+}$	Greenish
$\text{Fe}^{3+}$	Yellow
$\text{Ni}^{2+}$	green
$\text{Zn}^{2+} (\text{d}^{10})$	<i>colorless</i>