

## Nickel

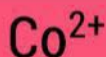


Green  
aka  $[\text{Ni}(\text{H}_2\text{O})_6]^{2+}$

## Cobalt



Blue



Pink  
aka  $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$

## Copper



Yellow



Cream ppt



Black solid



Pale Blue  
aka  $[\text{Cu}(\text{H}_2\text{O})_6]^{2+}$



Blue ppt  
aka  $[\text{Cu}(\text{OH})_2(\text{H}_2\text{O})_4]$



Deep Blue  
aka  $[\text{Cu}(\text{NH}_3)_4(\text{H}_2\text{O})_2]^{2+}$

## Silver



White ppt



Cream ppt



Yellow ppt

\*Ag(I) complexes are usually colourless, e.g.

