Dye Ink Advantages

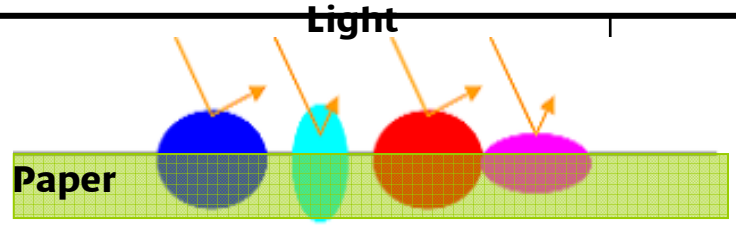
- Dye Ink Benefits
  - 8 Dye inks offers an exceptionally wide printable color gamut
  - Can print on all surface from Premium Matte to High Gloss
  - Speed, longevity and quality with Canon's ChromaLife100 system
  - High coloration and high glossiness give images an expressive power and a sense of depth and transparency
  - 60% increase in red colour saturation with additional red
  - 30% increase in green colour saturation with additional green

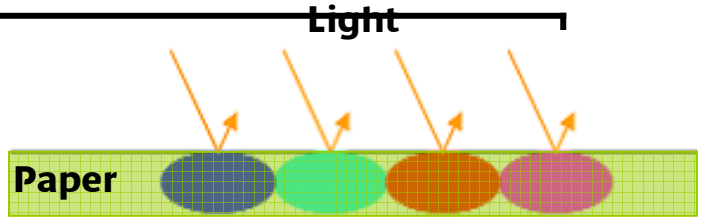
Pigment Ink Advantages

- Pigment Benefits
  - High black & colour density on textured and Fine Art Papers
  - Reduced metamerism - especially for monochrome
  - High quality colour & monochrome printing with great convenience – all colours in one print head
  - Excellent longevity – especially monochrome & gas fastness
  - High contrast achieved with the dedicated black inks
  - Neutral tones achieved with the dedicated grey ink
  - Improved color reproduction with additional red and green ink cartridges

Ink System Properties

Dye vs. Pigment





Pigment Inks (Pro9500)	Dye Inks (Pro9000)
Solid particles of colour, larger in size than dye molecules, like paint	Small molecules of colour in solution, e.g. like fruit cordial
Do not transmit light at all, so colours typically look more dull	Transmits light well so colours appear bright and colourful
Sit on top of the paper surface like paint, to give a “rougher” surface	Absorbed into the paper, so original paper surface is unaffected
Typically offer high image performance: - Colour stability - Longevity - Metamerism	Typically offer high image quality: - Wide colour range is possible - Smaller drop sizes are possible - Surface finish same as paper
For use on Matte to Semi-Gloss papers	For use on all Photo & Fine art paper
Pigment can settle, requires stirring	Stay in solution, no stirring required