

TABLE 3: Students hypothesized that each specific paper color will absorb its complementary color when white light (RGB) shines on the paper. Students then test the prediction for yellow paper by making thin films with nail polish.

Paper color [is reflected]	Complementary color [is absorbed]	Most common colors seen in iridescence	Colors you saw only a little/none of in iridescence Colors either absent or present in small amounts
Red	Cyan [= Blue and Green]	Red Yellow Magenta	Cyan [Blue / Green]
Blue	Yellow [= Red and Green]	Blue Green Magenta	Yellow [Red / Green]
Green	Magenta [= Red and Blue]	Green Yellow Cyan	Magenta [Red / Blue]
Yellow	Blue	Yellow Green Magenta	Blue [Cyan / Magenta]