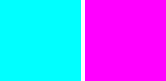
**Vocabulary: Eyes and Vision 1 – Seeing Color**

dictionary2

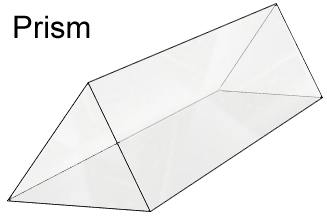
**Vocabulary**

* Absorb – to take in.
  + Light that is absorbed by an object cannot be seen.



**Cyan Magenta**

* Cyan – a green-blue color, similar to turquoise.
  + Cyan is a combination of blue and green light.
* Magenta – a pinkish color.
  + Magenta is a combination of red and blue light.
* Primary colors – a set of colors that can be mixed to produce all other colors.
  + The three primary colors of light are red, green, and blue. If all three are combined, the result is white light.
  + Paint and ink have different primary colors. Color printers use cyan, magenta, and yellow ink. Artists use red, yellow, and blue paint.



* Prism – a solid glass or plastic object that can divide white light into a spectrum of colors.
  + Prisms often have triangle-shaped bases and rectangular sides.
* Reflect – to bounce back from a surface.
  + Light that is reflected from an object can enter the eye and be seen.
* Secondary color – a color produced by combining two primary colors.
  + If the primary colors are red, green, and blue, then the secondary colors are cyan, magenta, and yellow.
* Spectrum – a band of colors made when white light goes through a prism.
  + The order of colors in a spectrum is red, orange, yellow, green, blue, and violet.

AdditiveColorsSE1

* Transparent – allowing light to pass through.
  + Glass, some plastics, and water are transparent.