- An image is a visual representation of something, while to a computer program, it is a matrix of pixels with intensity values.

- Each pixel has an intensity value represented as a numerical value between 0-255.

- A color JPEG image is a three-dimensional matrix with channels for red, green, and blue pixel intensities.

- The intensity values across the three channels combine to create a full spectrum of colors for each pixel.

- Varying the pixel values in each layer changes the overall visual effect.