Step 1 – Generate you feature vectors

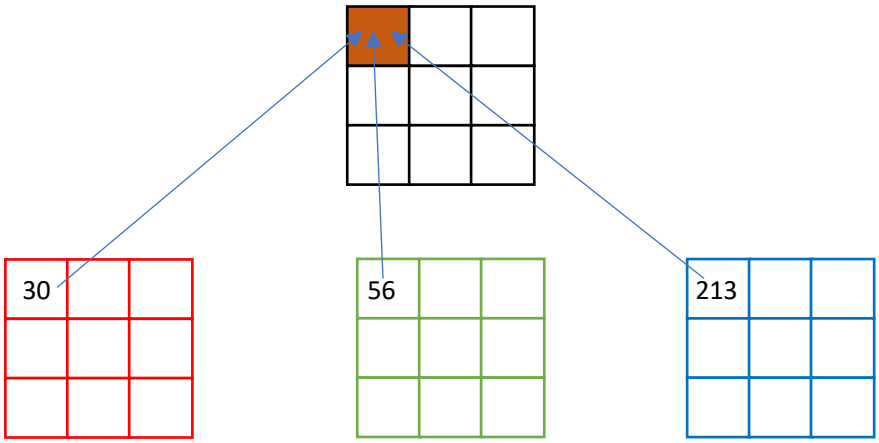
Each RGB image provided in the training set is a matrix of size 24 x 24 x 3. In other words, each image contains:

- One matrix for **RED** intensities of size 24 x 24 x 1
- One matrix for **GREEN** intensities of size 24 x 24 x 1
- One matrix for **BLUE** intensities of size 24 x 24 x 1

In RGB images each pixel is created by the combination of different amounts of red, green and blue. These amounts (intensities) can take values from 0 to 255.

Example:

Consider RGB images of 3 x 3 pixels. The final color that we observe in a pixel is a combination of red, green and blue



Possible features you can use:

- Smallest amount of **red** in the image (R_min)
- Mean of **red** values in the whole image (R_mean)
- Smallest amount of **green** in the image (G_min)
- Mean of **green** values in the whole image (G_mean)
- Smallest amount of **blue** in the image (B_min)
- Mean of **blue** values in the whole image (B_mean)