# **Colour to Grayscale Conversion**

Write code to read in a colour RGB/BGR image and convert it to grayscale, using 3 different methods:

1. using opencv’s cv2.COLOR\_BGR2GRAY parameter
2. convert to HSV/HSB and extract one of the channels (which?)
3. using the formula below, for each pixel:

*GS\_value* = 0.298936\**R* + 0.587043\**G* + 0.114021\**B*

Display the 3 results you get and compare the images.