# **Colour spaces**

Task 1

Read in an image and convert to hsv/hsb colour space.

Display the following:

* the original rgb image
* using the hsv/hsb version, brighten the image (without using a ready-made function) and display the brightened version

Task 2

Modify the program above so that the brightening factor is inputted by the user.

Task 3

Load and display bird2.jpg.

Research cv2.inrange() function to mask out the orange bird.   
Hint: Make use of the HSV color map supplied below:

Background pattern

Description automatically generated

Display and save as JPEG the mask showing the segmented bird.

*Sample Output:*

A pink flamingo with a long beak

Description automatically generated with medium confidence