

2018033_CV_HW3: Q2 Done

Code Files Description:

- color.py:- The first approach discussed in the class.
- spac_dist.py - The second approach discussed in the class with the modified formula to take into account the spatial distances between the pixels.

How To Run?

- python <code-file> <image-file>
- E.g. python color.py dog.jpg

Results:

Sample 100x100 size input image



Using approach 1: <u>color.py</u>	Using approach 2: <u>spac_dist.py</u>
$S(H_i) = (H_{\max} - H_i) / H_{\max}$	$S(i) = \sum_{j=1}^N \ I_i - I_j\ _2 e^{-d(i,j)}$
<u>Results</u>	<u>Results</u>

