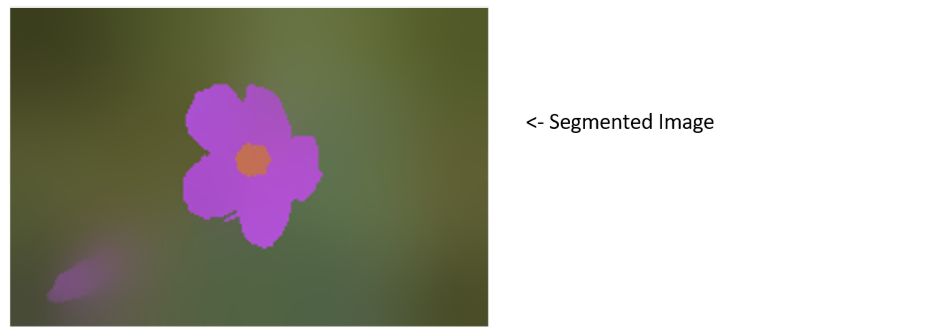
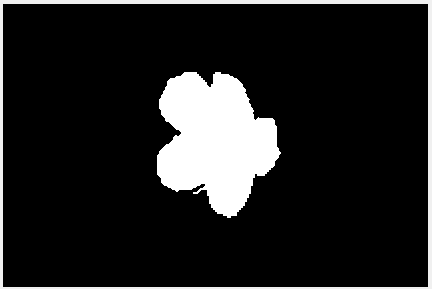
I have used mean shift segmentation for automating the process of finding the foreground / background masks.

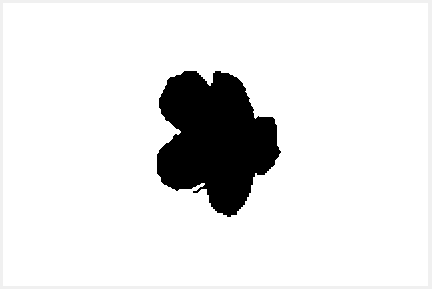
* For the flower image, I have used high bandwidth parameter for the color feature to get greater color mixing in regions with highly varying colors as this provides a good blurring effect. In the gradient implementation of the PDF, I have only updated the color channels but not updated the spatial channels in each iteration as this gave smoother boundaries and results. After getting this smooth image, I converted it to grayscale and thresholded it above 110 intensity value to get the foreground mask. The negative of this will give the background mask.







  Foreground mask Foreground Image



  Background mask Background Image