

## Assignment-4

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Year : UG – 3

### EXERCISE – 4: WORKING WITH COLOR MODE CONVERSIONS

#### Color to Grayscale

##### Steps:

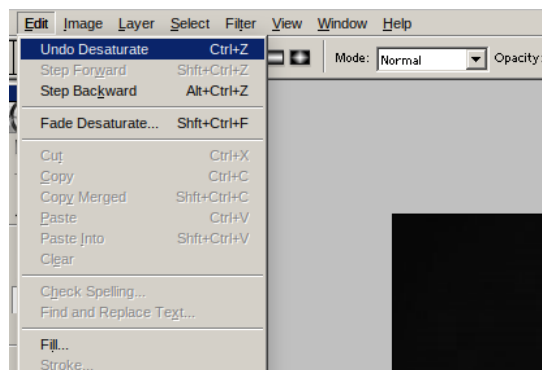
1. Open file : Open file CAMEO.TIF in Photoshop.



2. De-saturate : One way to convert color image to grayscale is by choosing Image > Adjust > Desaturate.



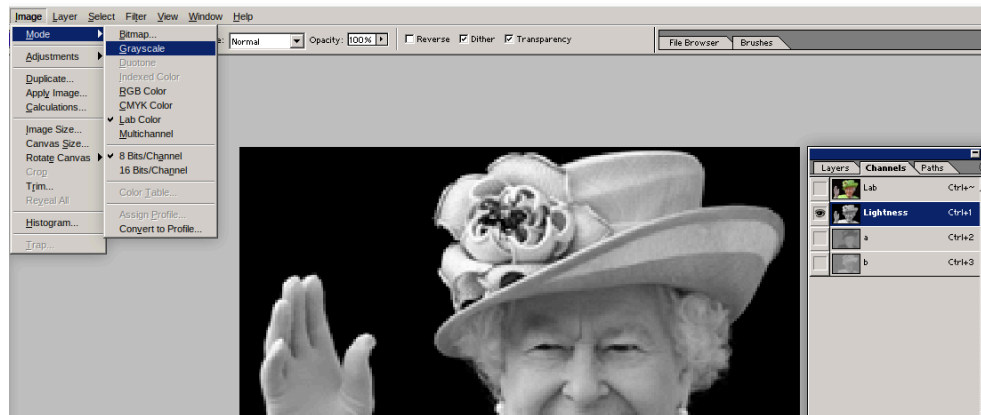
3. Undo : Choose Edit > Undo changes for a better way to de-saturate



4. Change mode : Choose Image > Mode > LAB color. The Channels palette now contains L, a, b channels.



5. Convert : Select the L channel. Choose Image > Mode > Grayscale. Discard other channels.



6. Save file : Save as CAMEO\_GS.TIF.



## Grayscale to Color

### Steps:

1. Open file : Open file CAMEO.TIF in Photoshop.



2. Change mode : Choose Image > Mode > Indexed color. Choose Adaptive palette setting.



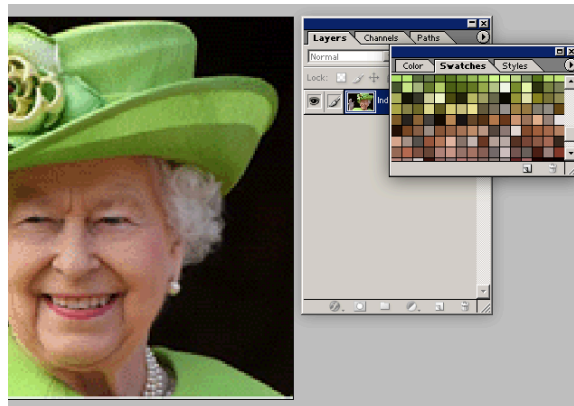
3. Display Color Table : Choose Image > Mode > Color Table. This shows 256 colors derived from the image.



4. Save Color Table : Click Save button to save the color table as CAMEO.ACT



5. Load Color Table : In Swatches palette choose Load Swatches and select CAMEO.ACT. All colors in color table are now part of Swatches palette.



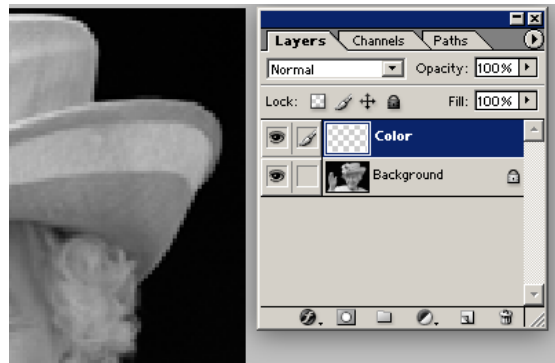
6. Close file : Close file CAMEO.TIF without saving
7. Open file : Open file CAMEO\_GS.TIF in Photoshop.



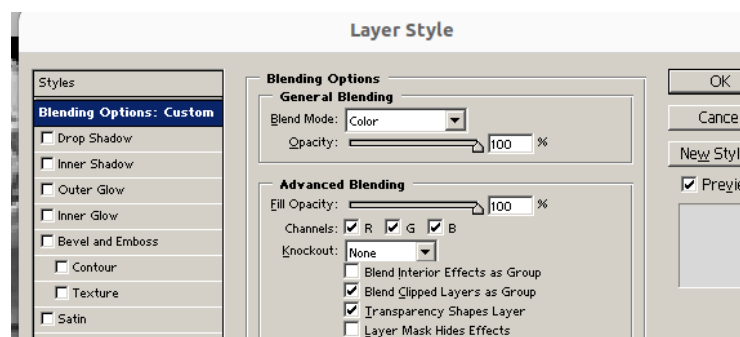
8. Change Mode : Choose Image > Mode > RGB Color. This allows colors to be added.\



9. Create Layer : In Layers palette create a new layer and name it Color.



10. Change blending mode : Change blending mode of the new layer to Color. This preserves L information of base layer.



11. Paint : Select Paintbrush tool and 65-pixel soft brush. Selecting colors from the Swatches palette paint on the grayscale image to color it.



12. Save file : Save as XXX\_A1\_Task4a.psd and XXX\_A1\_Task4a.jpg (XXX: your last 3 digit roll number)



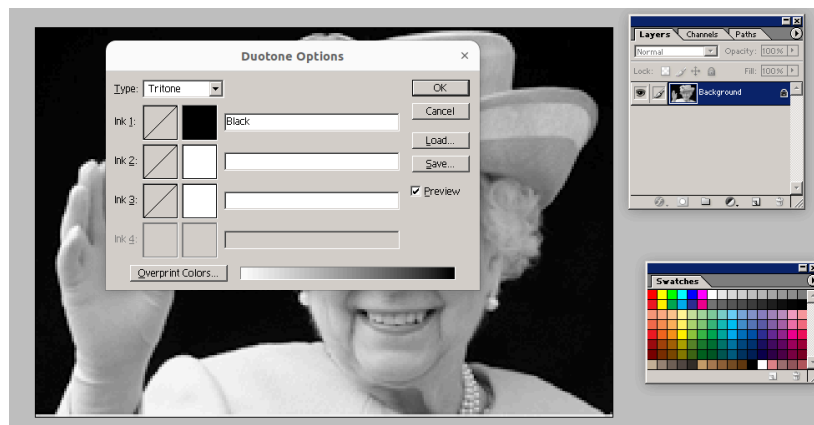
## Grayscale to Tritone

### Steps:

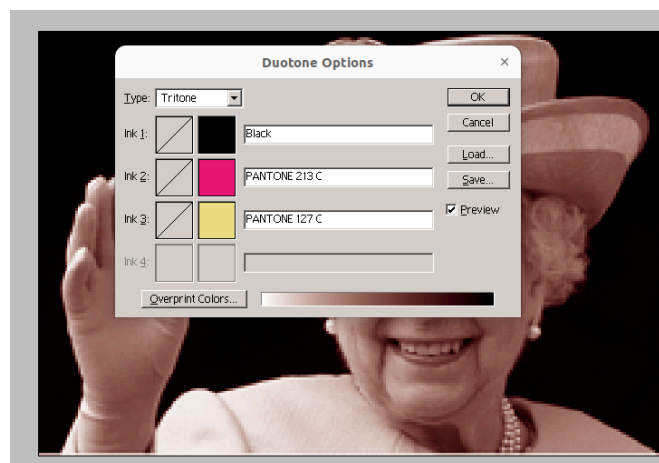
1. Open file : Open file CAMEO\_GS.TIF in Photoshop.



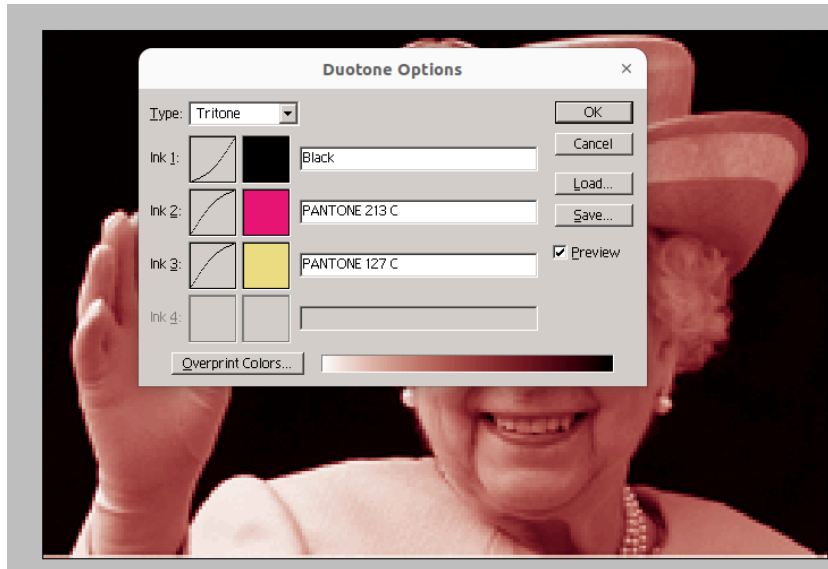
2. Change mode : Choose Image > Mode > Duotone color. Choose Tritone type setting.



3. Choose color : Click on color box for Ink2. Choose PANTONE 313 CVC (shades of pink) Click on color box for Ink3. Choose PANTONE 127 CVC (shades of orange)



4. Change distribution : For Ink1 (black) choose color distribution as 50: 30%. For Ink2 choose 50: 70%. For Ink3 choose 50: 70%.



5. Save file : Save as TASK13b.PSD and TASK13b.JPG (after conversion to RGB mode). XXX\_A1\_Task4b.psd and XXX\_A1\_Task4b.jpg (XXX: your last 3 digit roll number)

