

The flag of the Commonwealth of the Northern Mariana Islands is displayed. It features a green field with a large white triangle pointing to the right. Inside the white triangle is a yellow triangle pointing to the right. A red triangle points to the left, overlapping the yellow triangle. A thick black diagonal line runs from the top left to the bottom right, passing through the center of the flag.

# Flag

By Kaden R

# Input images



Switch Red and Green



Extracted Blue



+100 to all pixels



Inverted Green Channel



# Copy and Paste

100x100 green Channel



Copy and Paste



# Stats

- 99,524 pixels in image1 (Bob Ross)
- Min intensity value is 0
- Max intensity value is 255
- Standard deviation is 63.97438020617863
- Mean intensity value is 127
- Yes I did expect these numbers as they were close to the numbers given on the previous image in class.
- The Standard deviation is the average difference between the bgr values of each pixel in the image.

# The Difference

- The gray area is the area that matched
- The turquoise area is the area that needed shifted out and to the right
- The white area needed moved one pixel down
- The gray area needed moved one pixel up
- The yellow area need moved down or up depending on which half of the heighth it was on and the green and white gray areas needed moved up or down one pixel depending on which half of the height they were on