Exercise 2:

2. Print the number of pixels
Ans: The number of pixels in the image 873 X 1600 = 1396800

3. Show the image with only the red channel.

Red channel

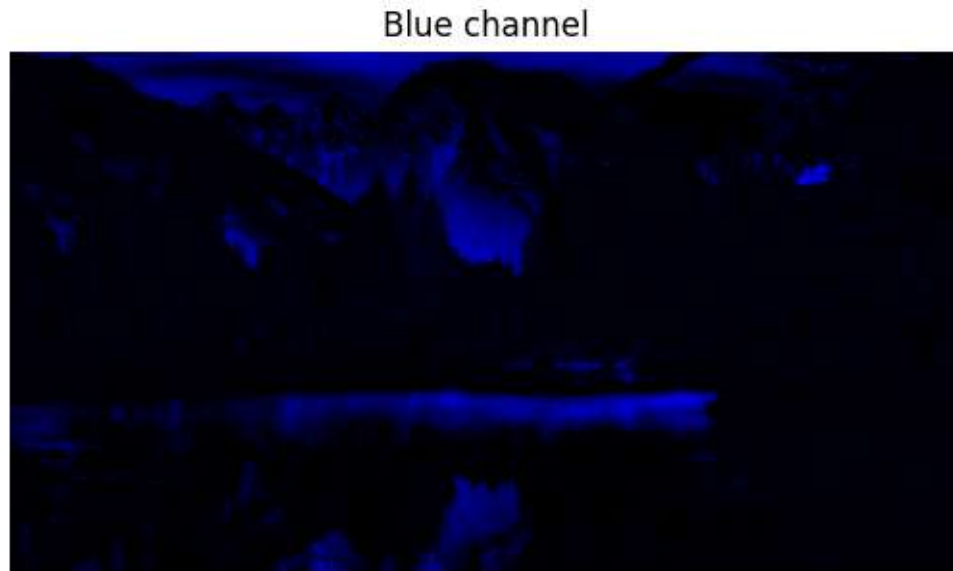Show the image with only the green channel

Green channel

Show the image with only the blue channel

Blue channel

Print the maximum intensity value and its index for the red, blue and green channels.

: Image : Maximum intensity value Index

		Maximum intensity value	Index
Red	:	255	(0 , 1135)
Blue	;	255	(22 , 1338)
Green	:	255	(193, 1360)

4. Print the subplots with original and gray image side by side. Print the mean values.

Original   Gray image

* Mean of original image array 63.55126598892707
* Mean of transformed image array 0.28915142804000177

Print the subplot with original image and horizontal flipped image side by side

Original   Horizantally flipped

Print the subplot with original image and vertically flipped image side by side

Original

Vertically flipped