

Each pixel holds a value on the type of image



RGB values are for color images

R, G, B: 0-255

	1		



255, 0, 0



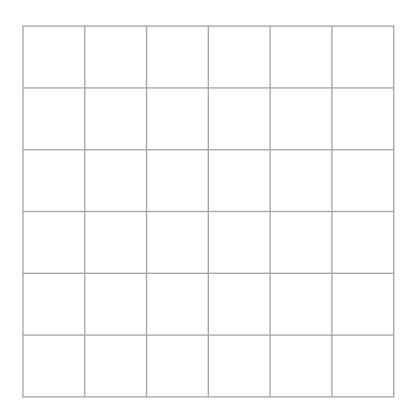
0, 255, 0			



0, 0, 255

3 values to represent color, 3 channels

Grayscale Images





Grayscale Images

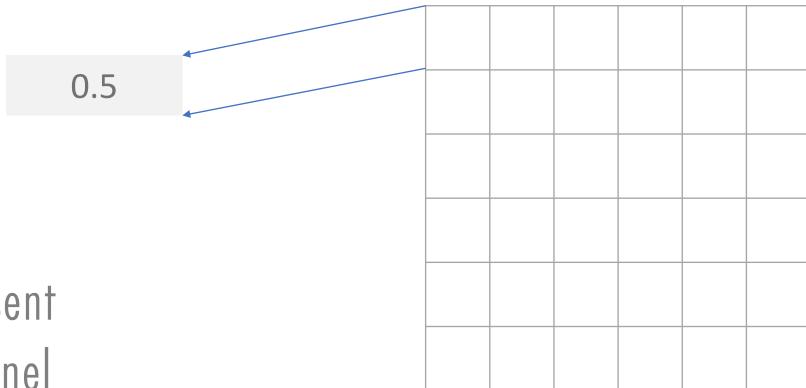


Each pixel represent only intensity information

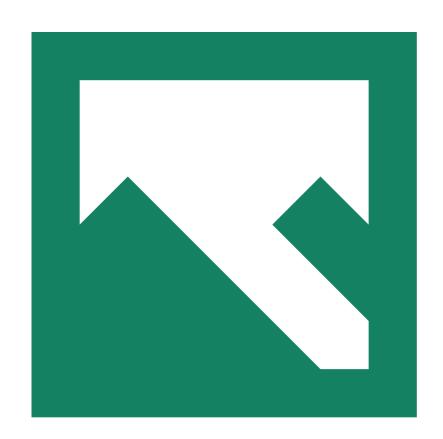
0.0 - 1.0

Grayscale Images



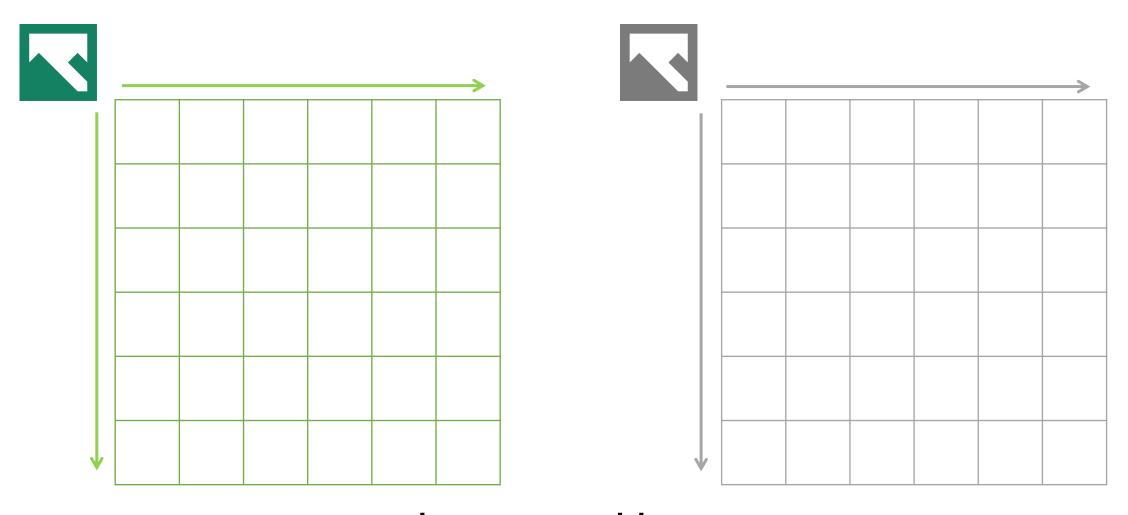


1 value to represent intensity, 1 channel

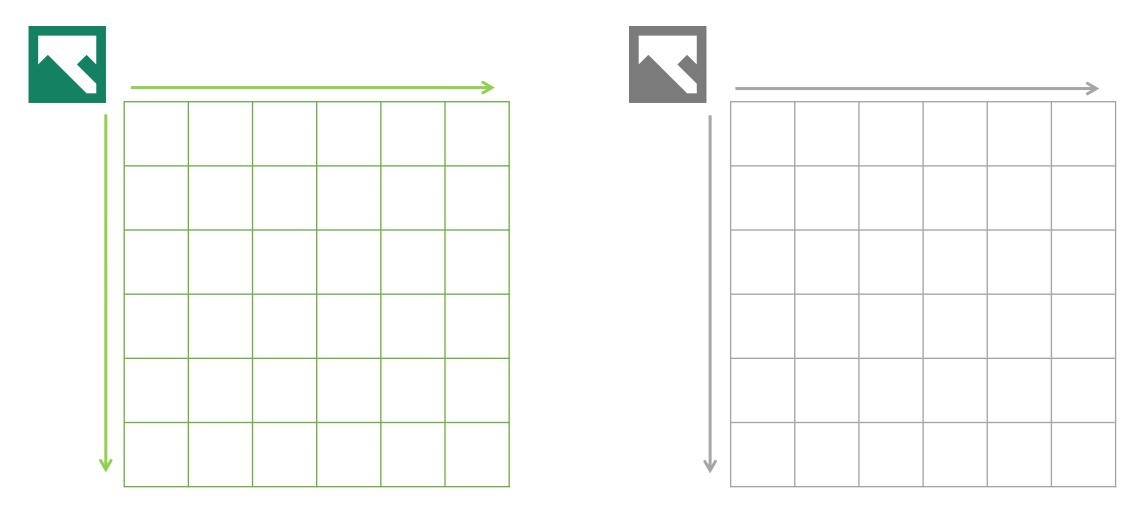




Multi-channel and Single channel images



Images can be represented by a 3-D matrix



The number of channels specifies the number of elements in the 3rd dimension

