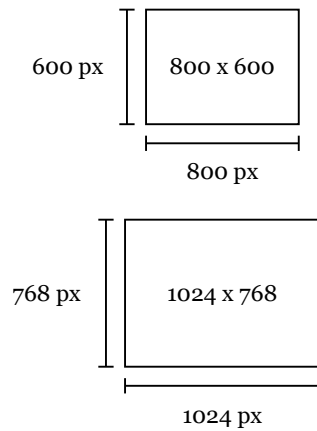
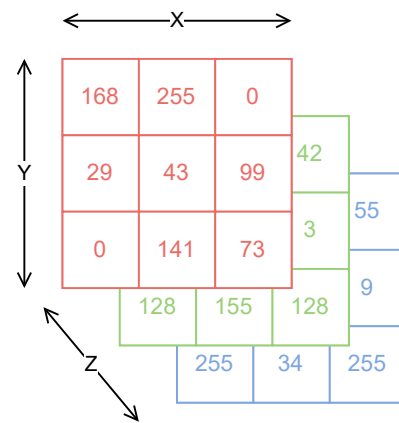


## Resolution



## RGB - 3 channels



`img[2,2,0] → 73`

`img[2,2,1] → 128`

`img[2,2,2] → 255`

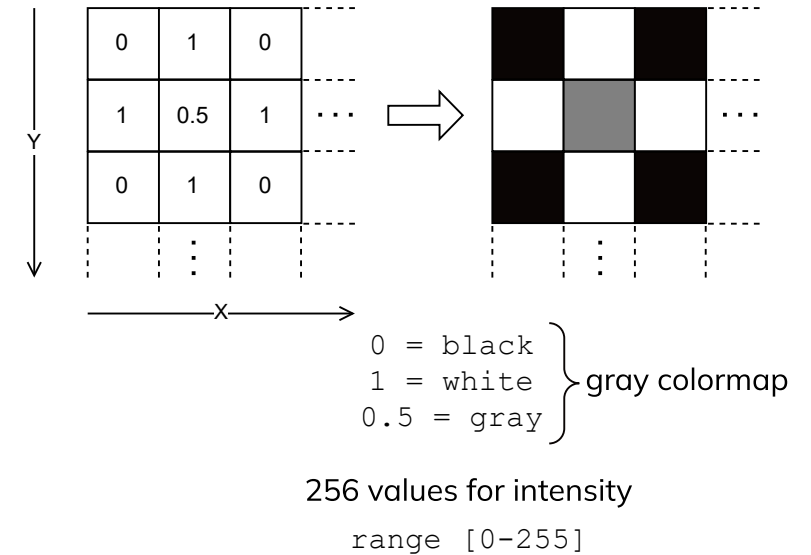
`img[2,0] → (0,128,255)`

## IMAGE PROCESSING WITH PYTHON

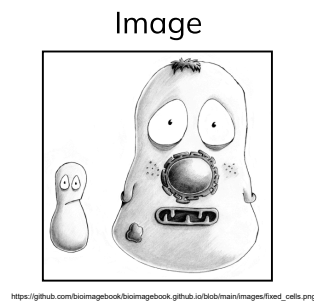


Available here:  
<https://datacarpentry.org/image-processing/>

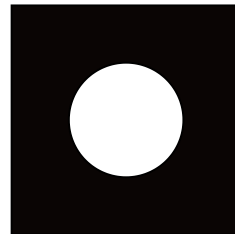
## Grayscale - Single Channel



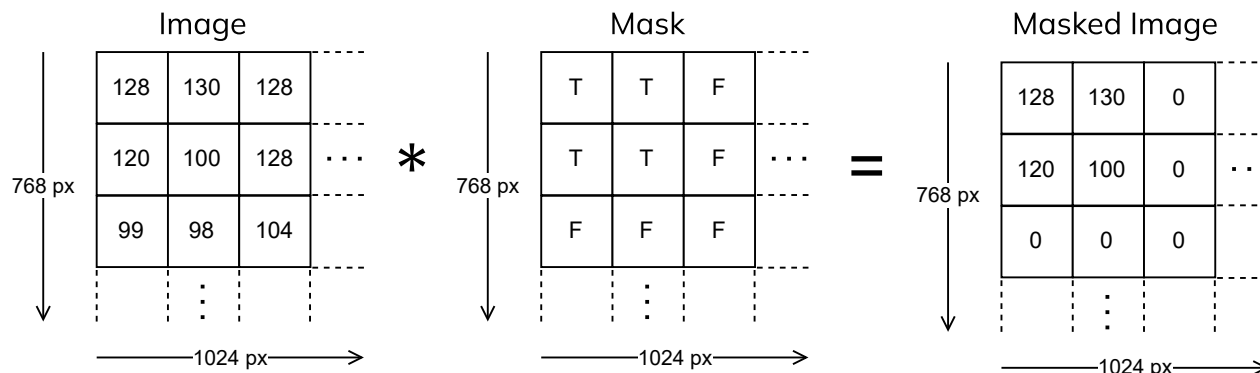
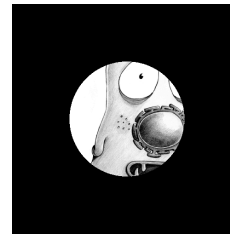
## Masks



Mask



Masked Image



010101010101010101010101

8 bits 16 bits 24 bits → 1 RGB pixel

Example:

14 MP Camera

$$14,000,000 \cdot 24 = 3.36 \cdot 10^8 \text{ bits}$$

$$3.36 \cdot 10^8 \div 8 \div 1024 \div 1024 \approx 40 \text{ MB}$$