

Image Processing

1) Grey scale image

2) RGB image

↳ 3 channels

(Red, Green, Blue)

EAN-13



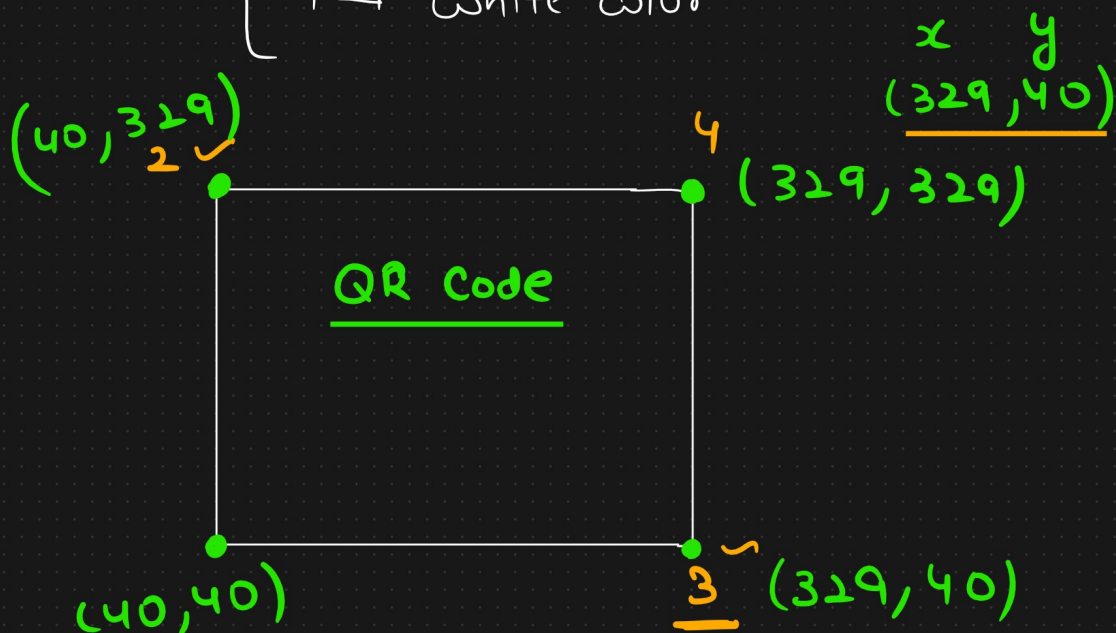
{ 12 Digits → Data
 1 Digit → checksum

Image \Rightarrow Pixel \rightarrow 0 to 255

{ 0 \rightarrow Black color
 255 \rightarrow White color

After normalization

{ 0 \rightarrow Black color
 1 \rightarrow White color



Matrix computation

↳ very high

↳ convert pixel value $\rightarrow \{0, 1\}$

$\left\{ \begin{array}{l} \text{min val} \rightarrow 0 / 255 \rightarrow 0 \\ \text{max val} \rightarrow 255 / 255 \rightarrow 1 \end{array} \right.$

Normalization

