#### KERATECH

# INTRODUCCIÓN AL PROCESAMIENTO DE IMÁGENES

EDWIN MENDOZA

#### **AGENDA**





Modelos de color



Recuantización



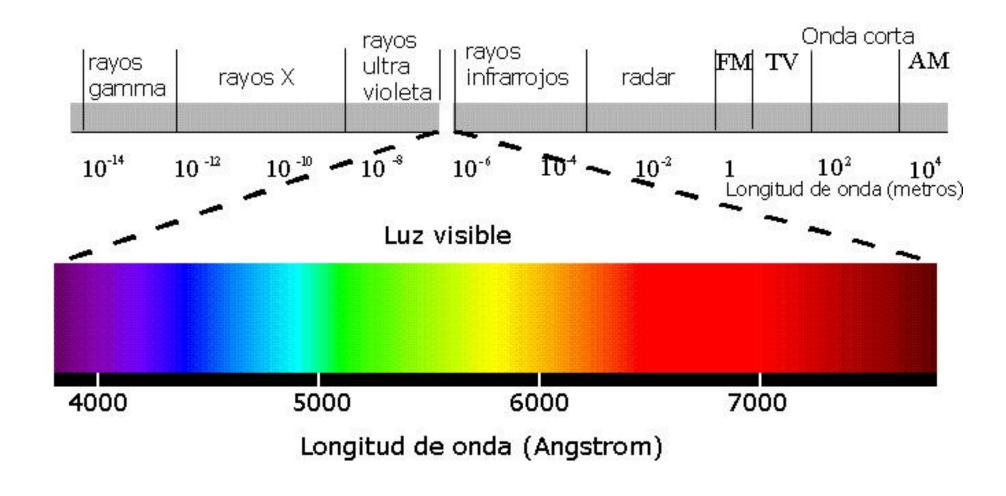
Variación de la resolución espacial



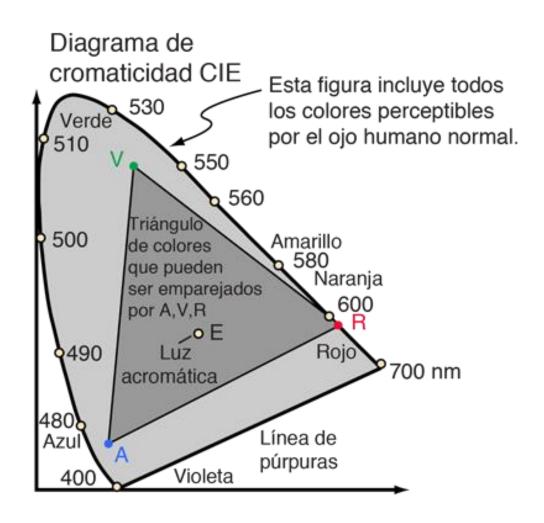


# ¿Qué es el color?

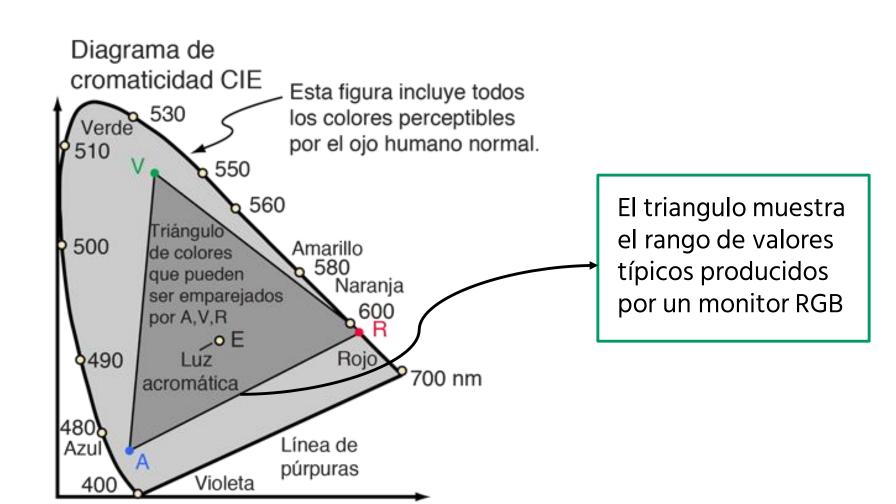
### Espectro Electromagnético



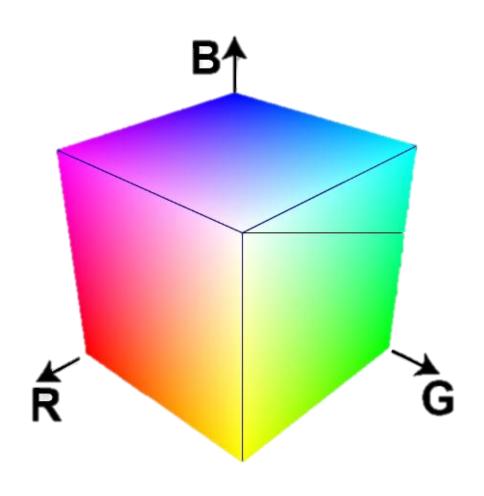
#### Modelo de color

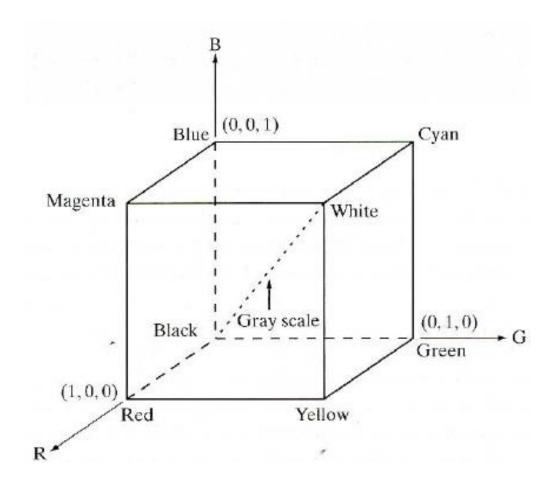


#### Modelo de color

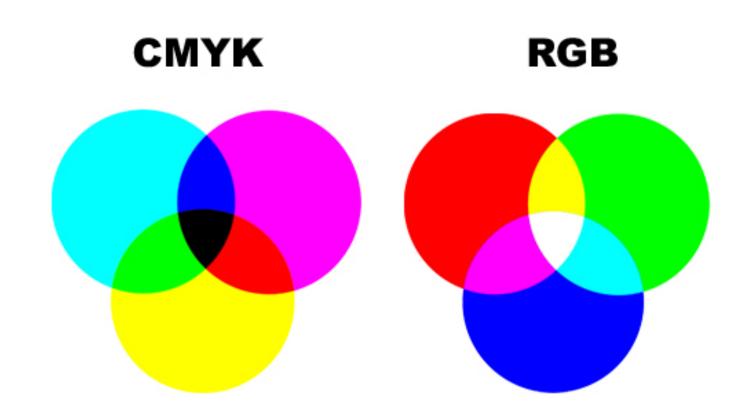


#### Modelo de color - RGB



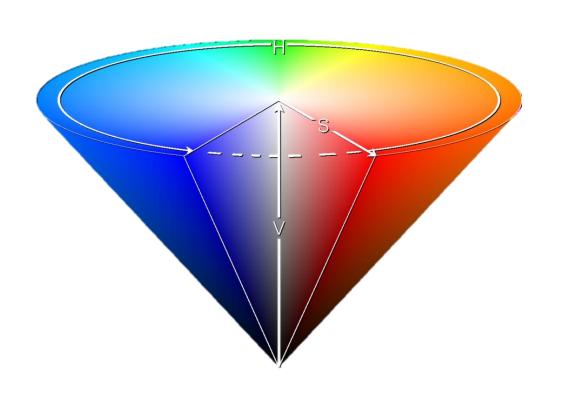


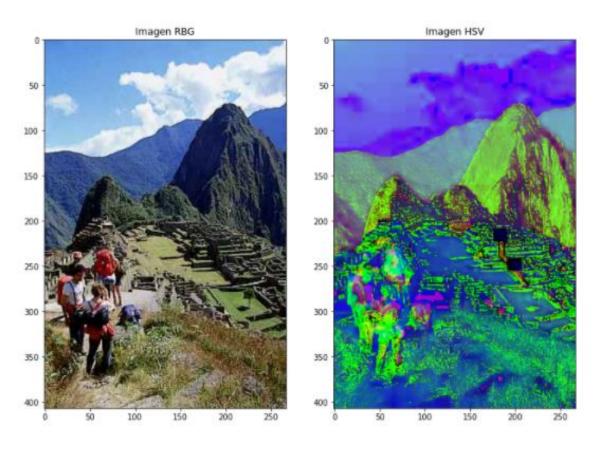
#### Modelo de color - CMYK



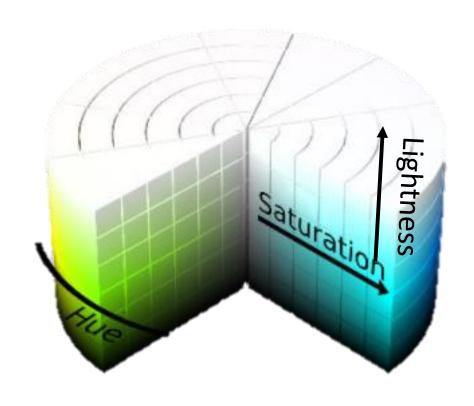
$$\begin{bmatrix} C \\ M \\ Y \end{bmatrix} = \begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix} - \begin{bmatrix} R \\ G \\ B \end{bmatrix}$$

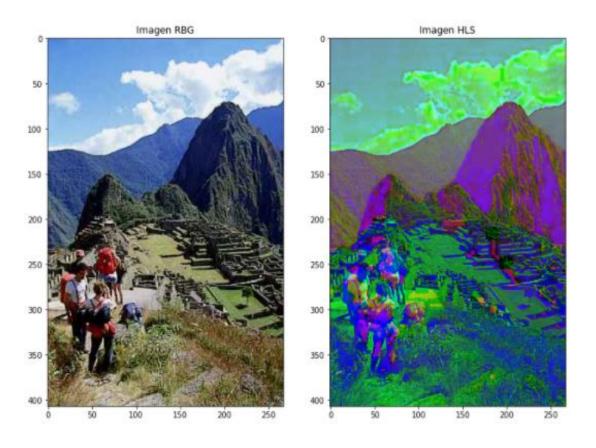
#### Modelo de color - HSV





#### Modelo de color - HLS

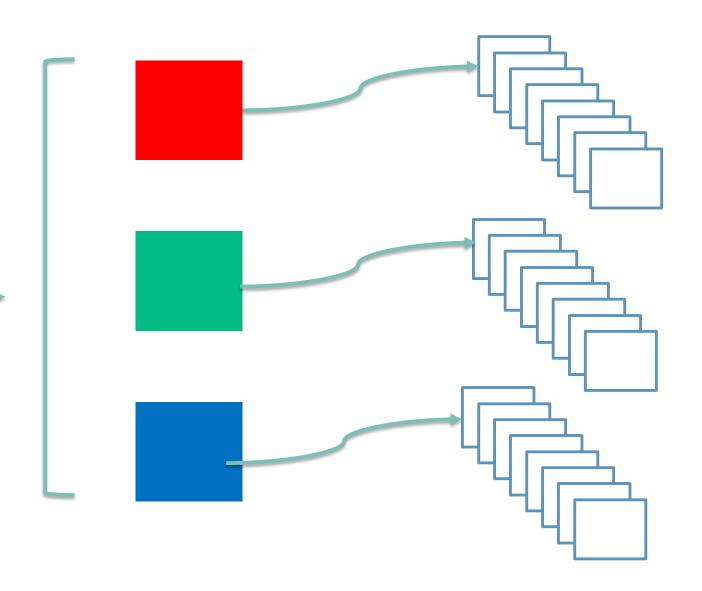




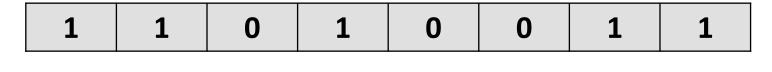


#### Planos de bits





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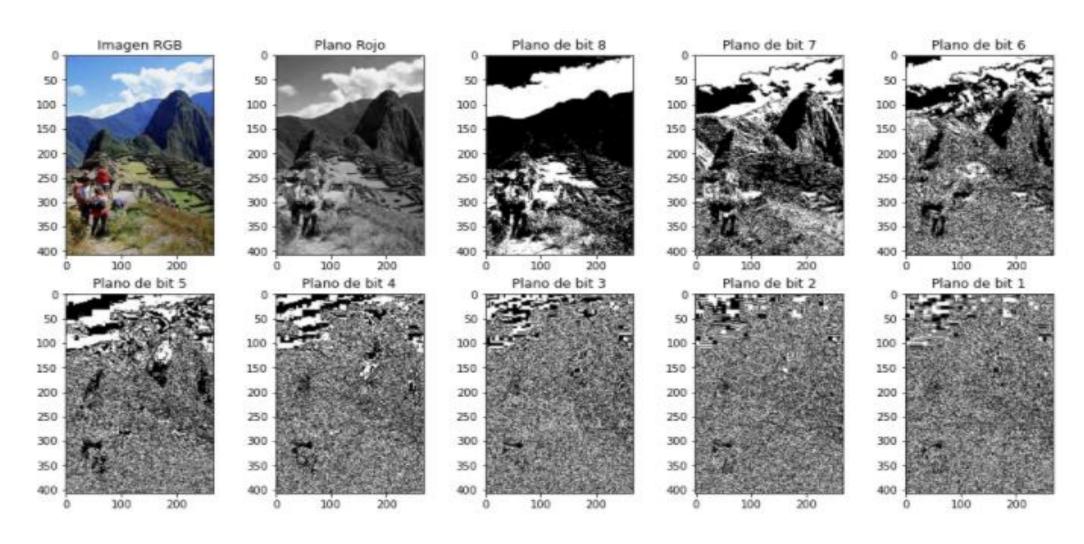


&

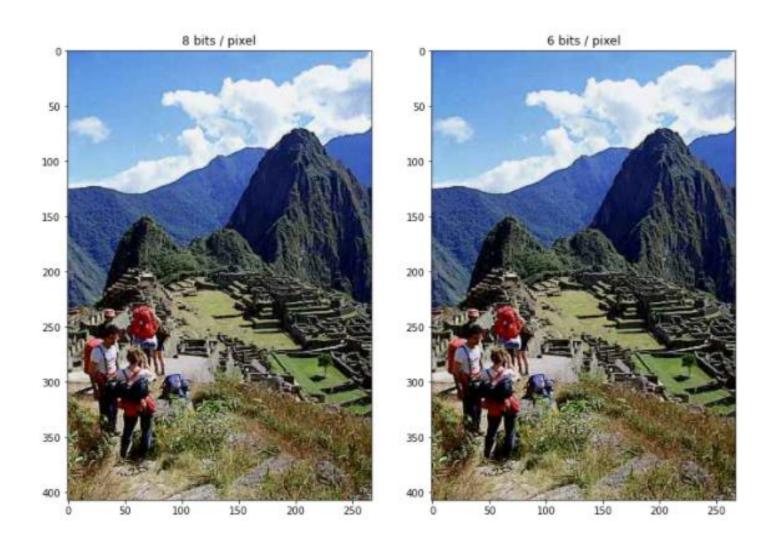
	0	1	0	0	0	0	0	0
--	---	---	---	---	---	---	---	---

0 1 0 0 0 0 0

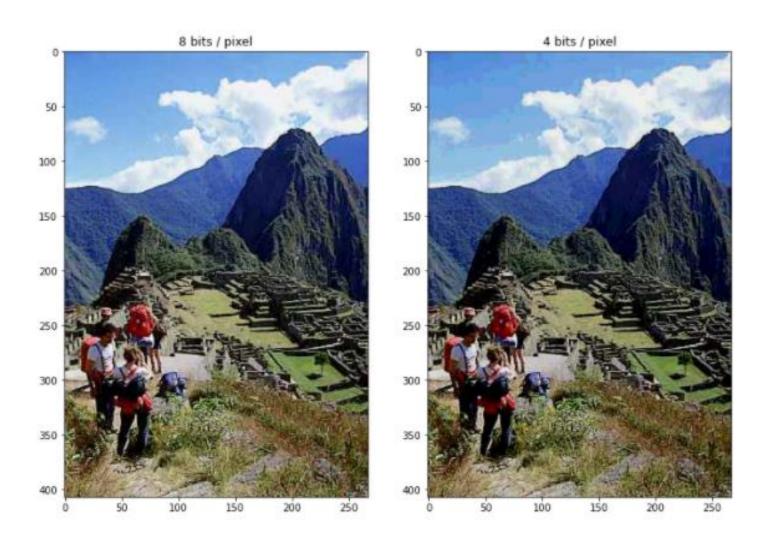
#### Planos de bits



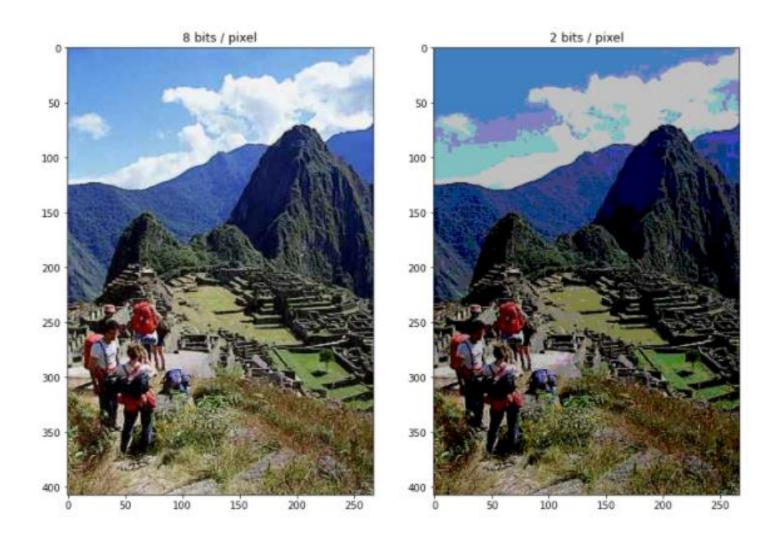
#### Recuantización



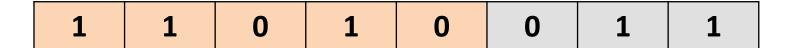
#### Recuantización

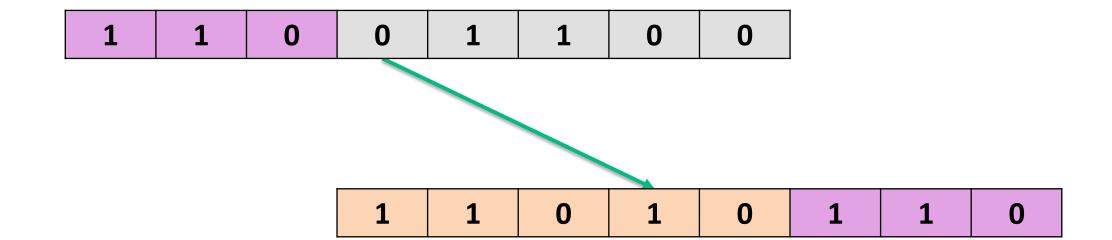


#### Recuantización



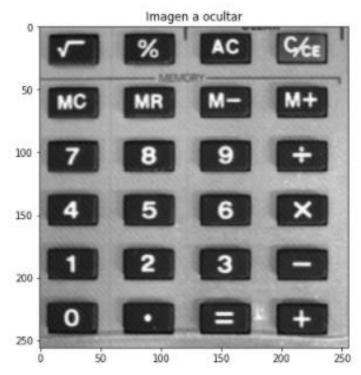
# Escanografía





## Escanografía

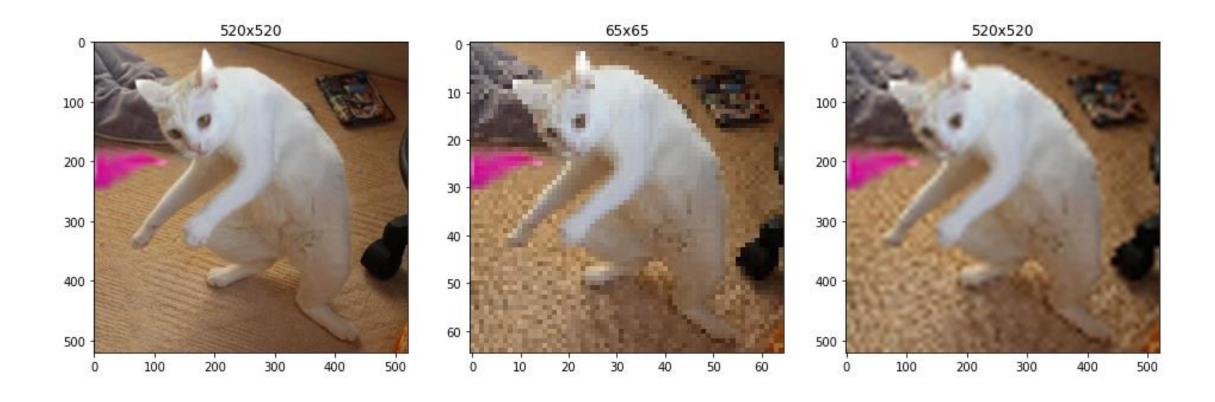




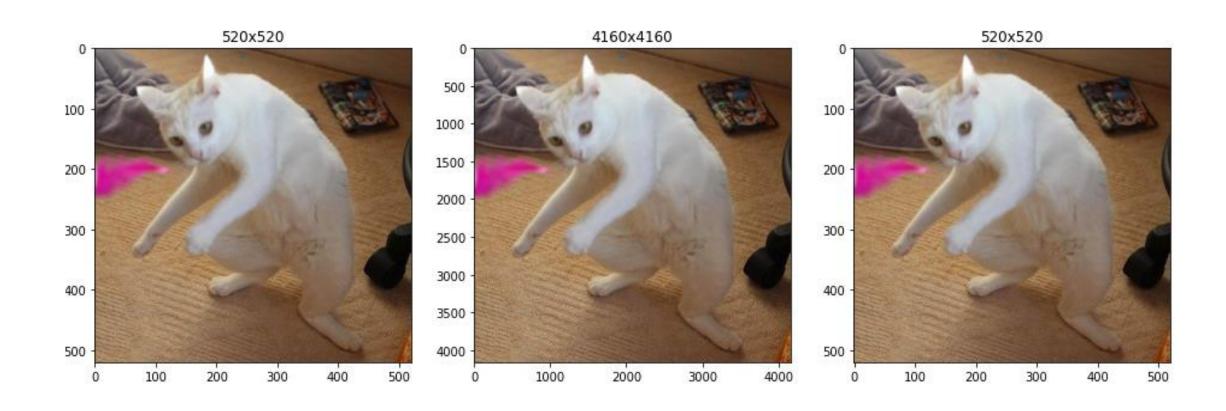




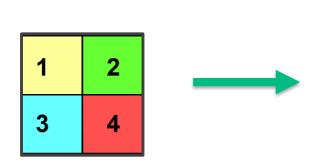
#### Reducción - Aumento



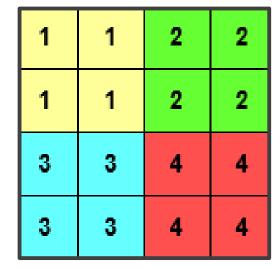
#### Aumento - Reducción

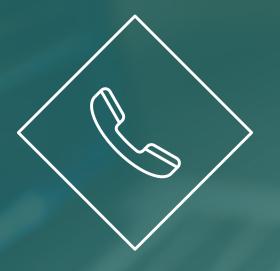


# Variación de la resolución espacial



1	?	2	?
?:	?:	?	?
3	<b>?</b> ·	4	?
?	?	?	?





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# Muchas gracias

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