

Edward H. Adelson

2° Congresso Nazionale Il colore e le sue sfumature

Colore e scienza: che cos'è il colore

ing. Christian Maria Firrone

Vicepresidente Associazione Culturale Micene
Politecnico di Torino – Dip. di Meccanica

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- Cosa è il colore
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- La colorimetria: lo spazio cromatico
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L'IMPORTANZA DEL COLORE



L'IMPORTANZA DEL COLORE



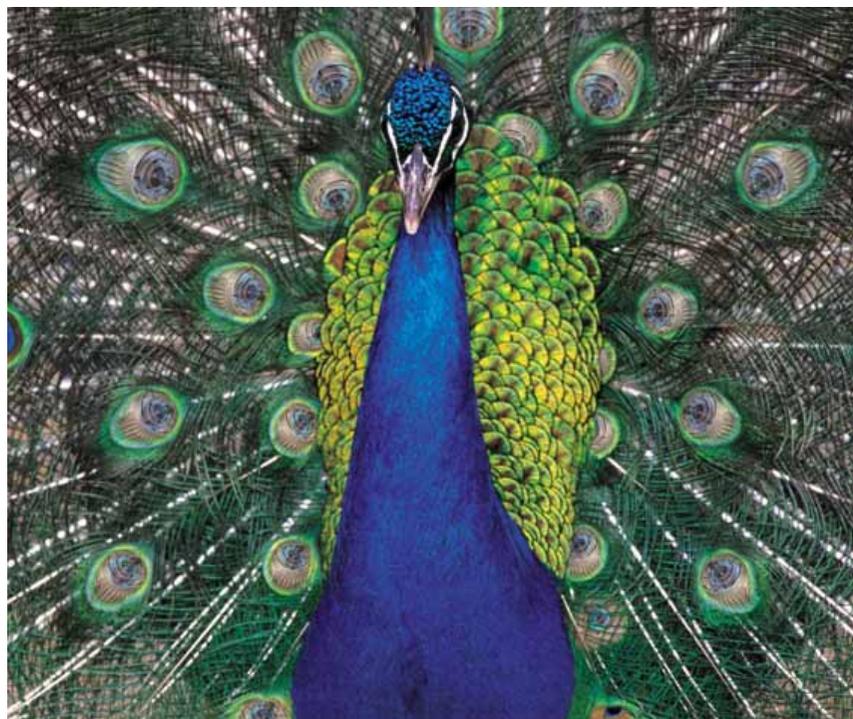
L'IMPORTANZA DEL COLORE



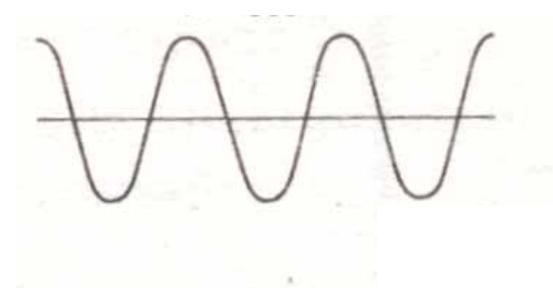
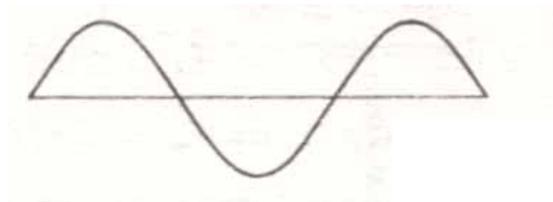
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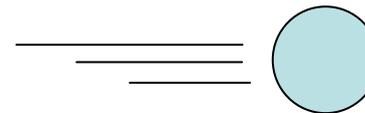
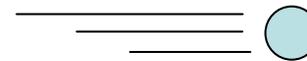
L'IMPORTANZA DEL COLORE



COSA E' IL COLORE

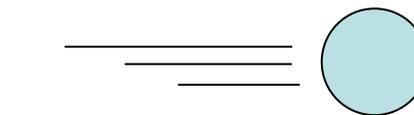
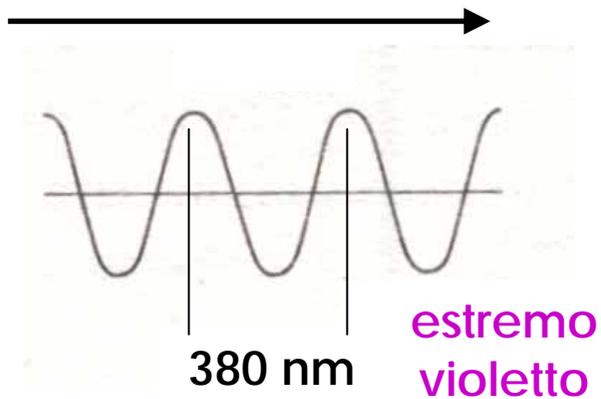
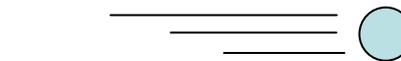
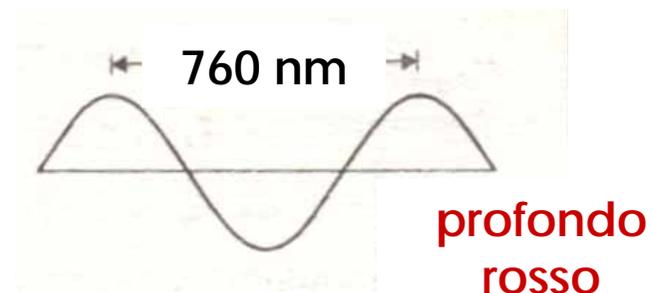


Diffrazione
Interferenza

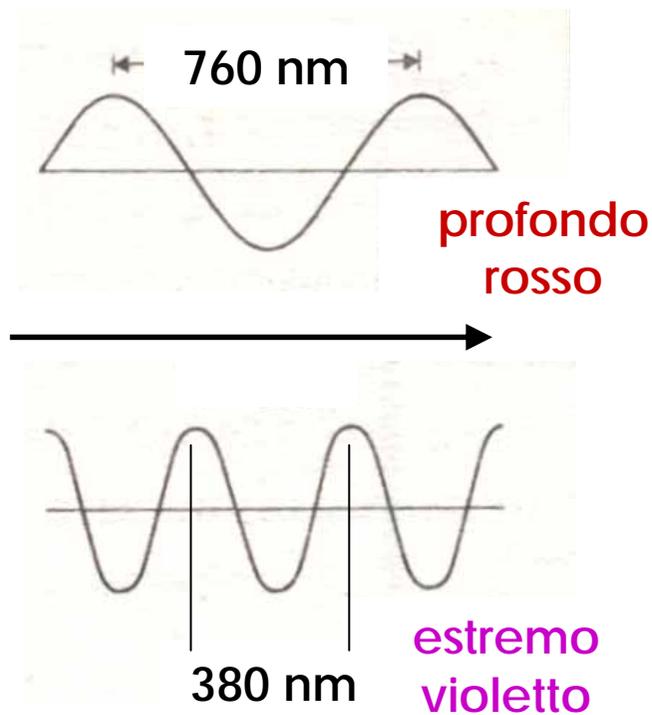


Ombre
Effetto fotoelettrico
(il colore degli oggetti)

COSA E' IL COLORE



COSA E' IL COLORE



km

m

mm

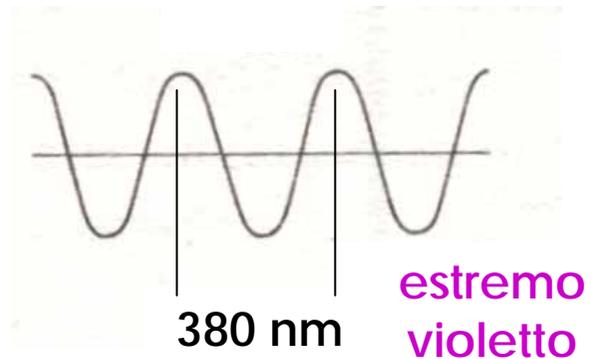
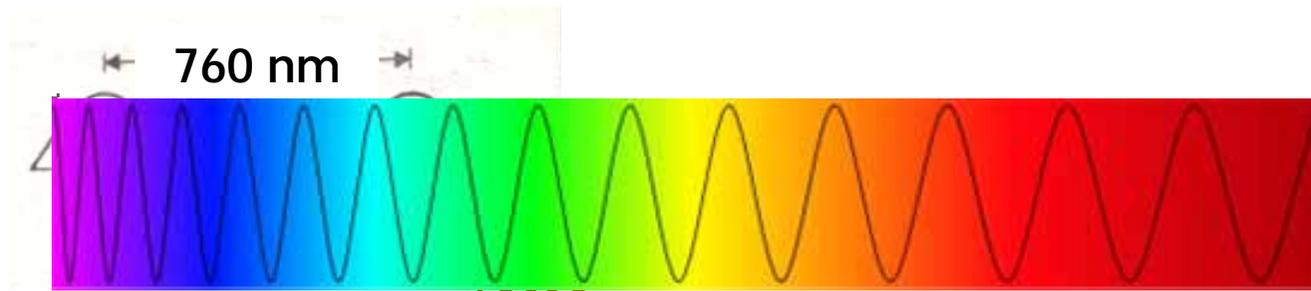
μm

nm

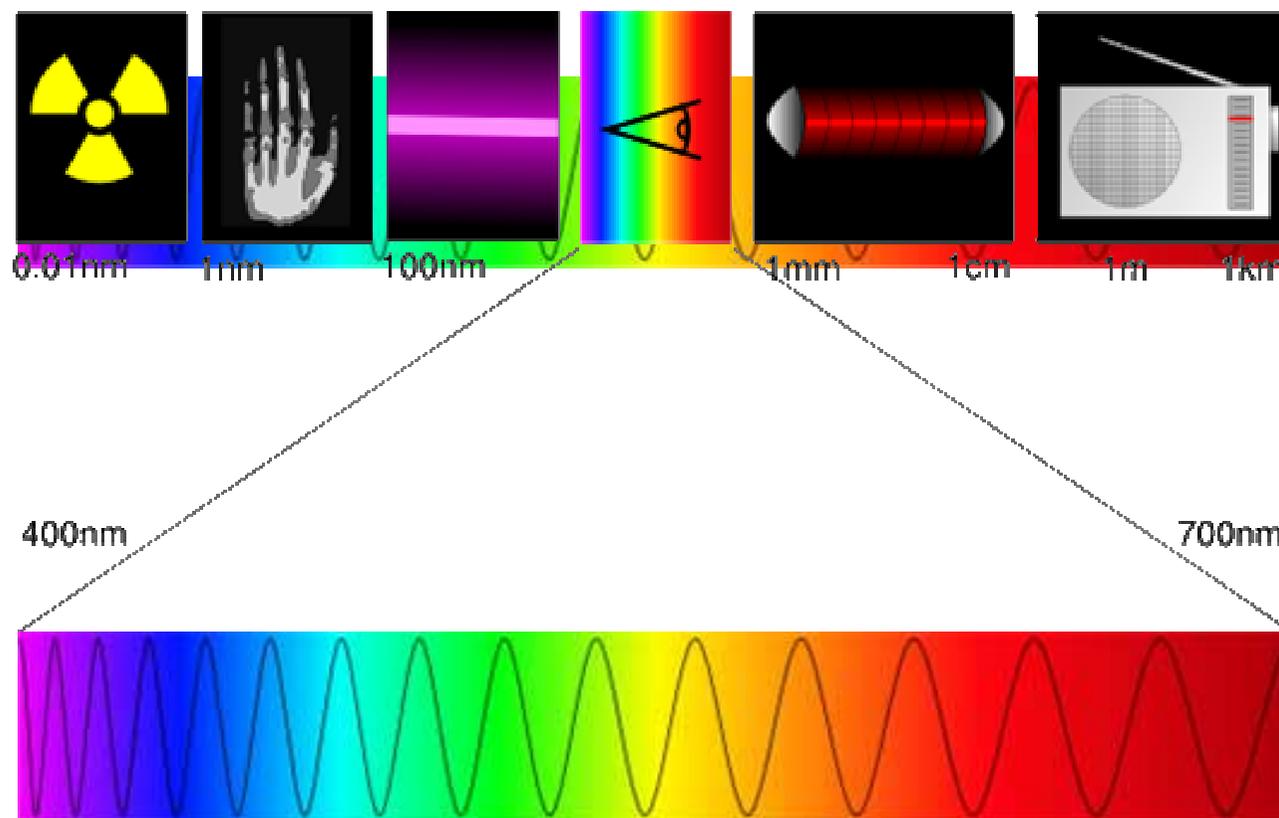
pm



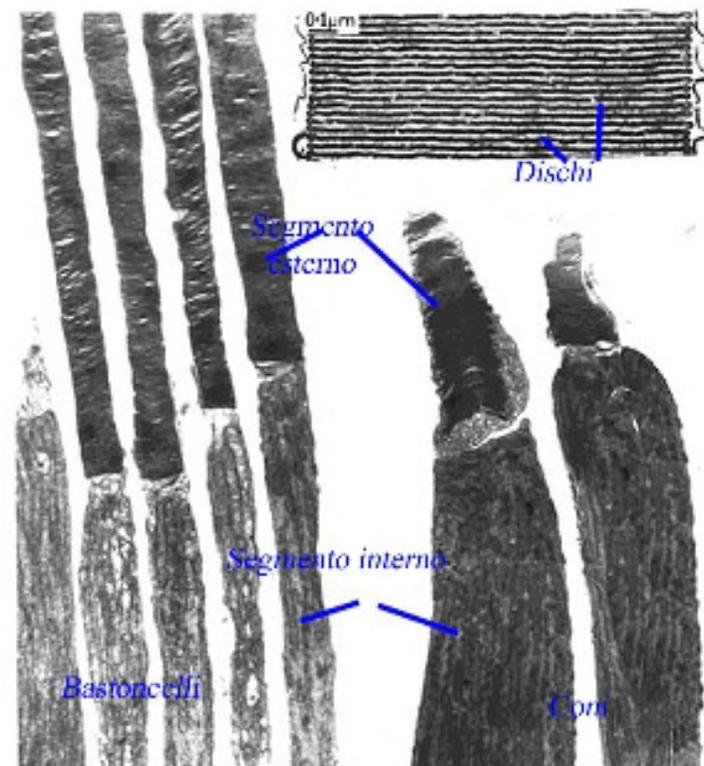
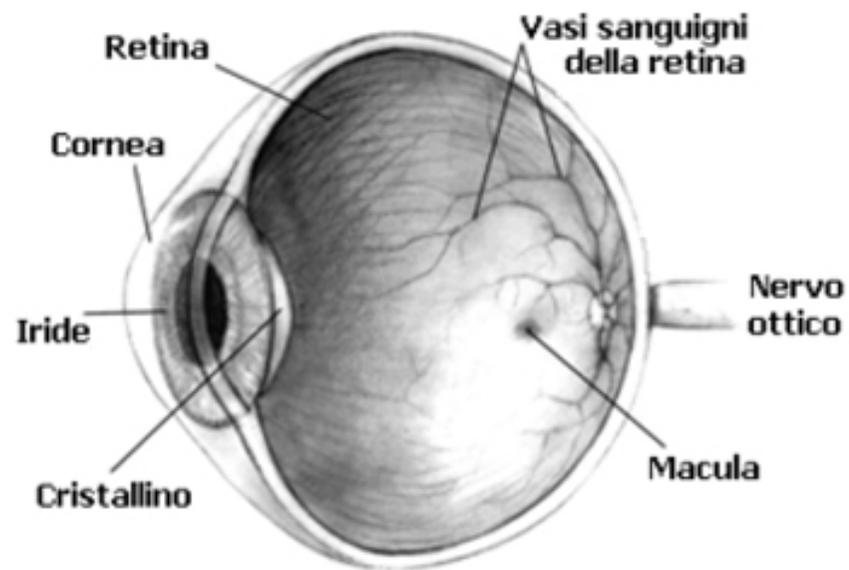
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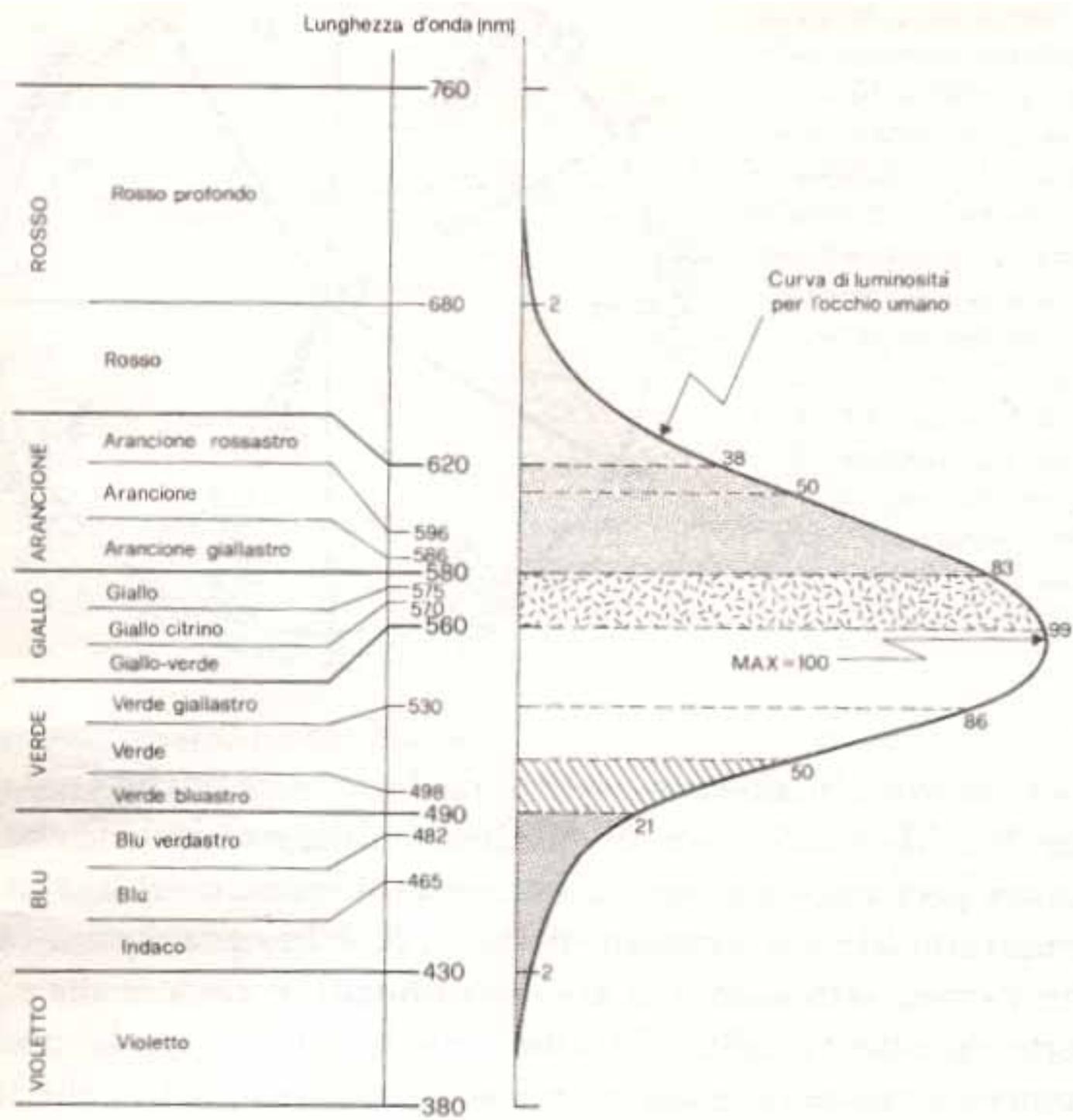
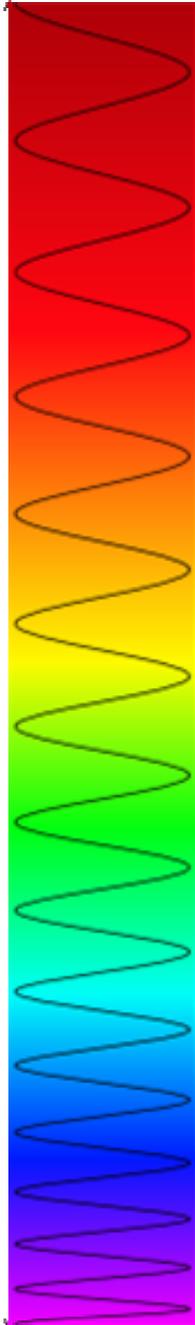


DOVE E' IL COLORE

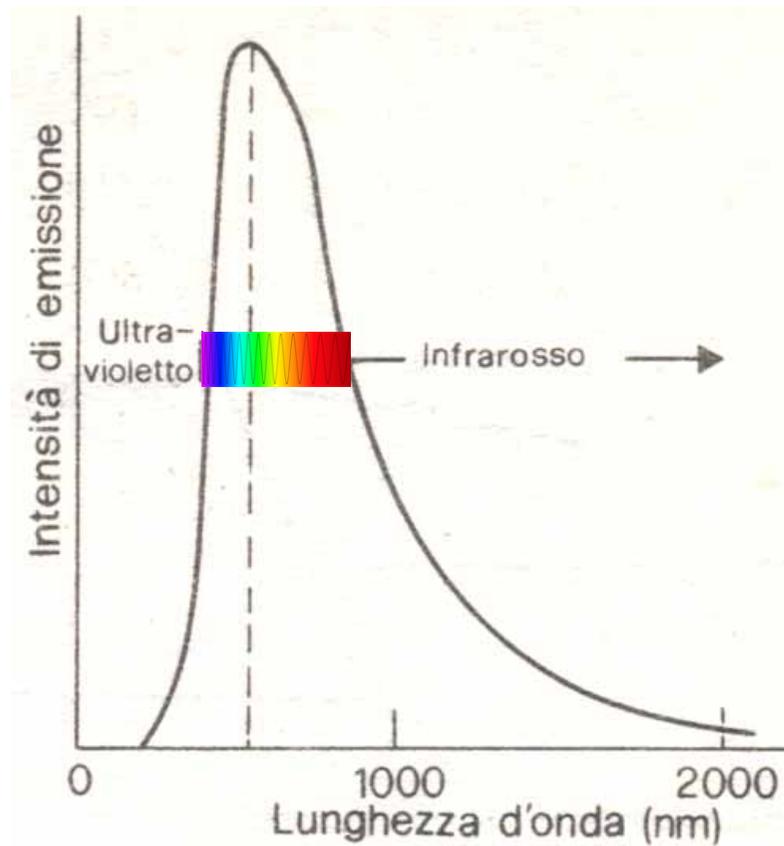
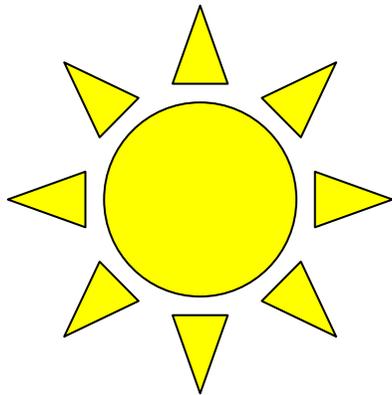


COME VEDIAMO IL COLORE

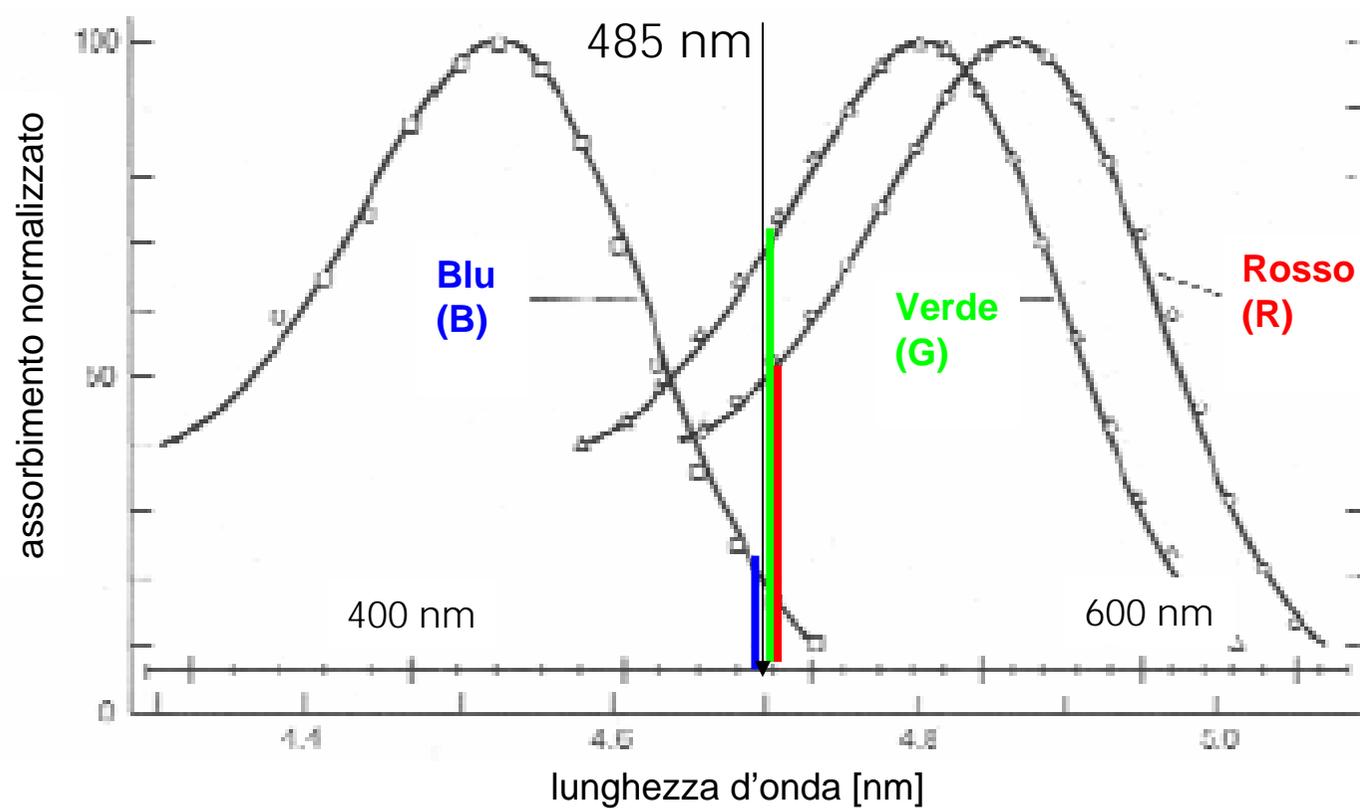




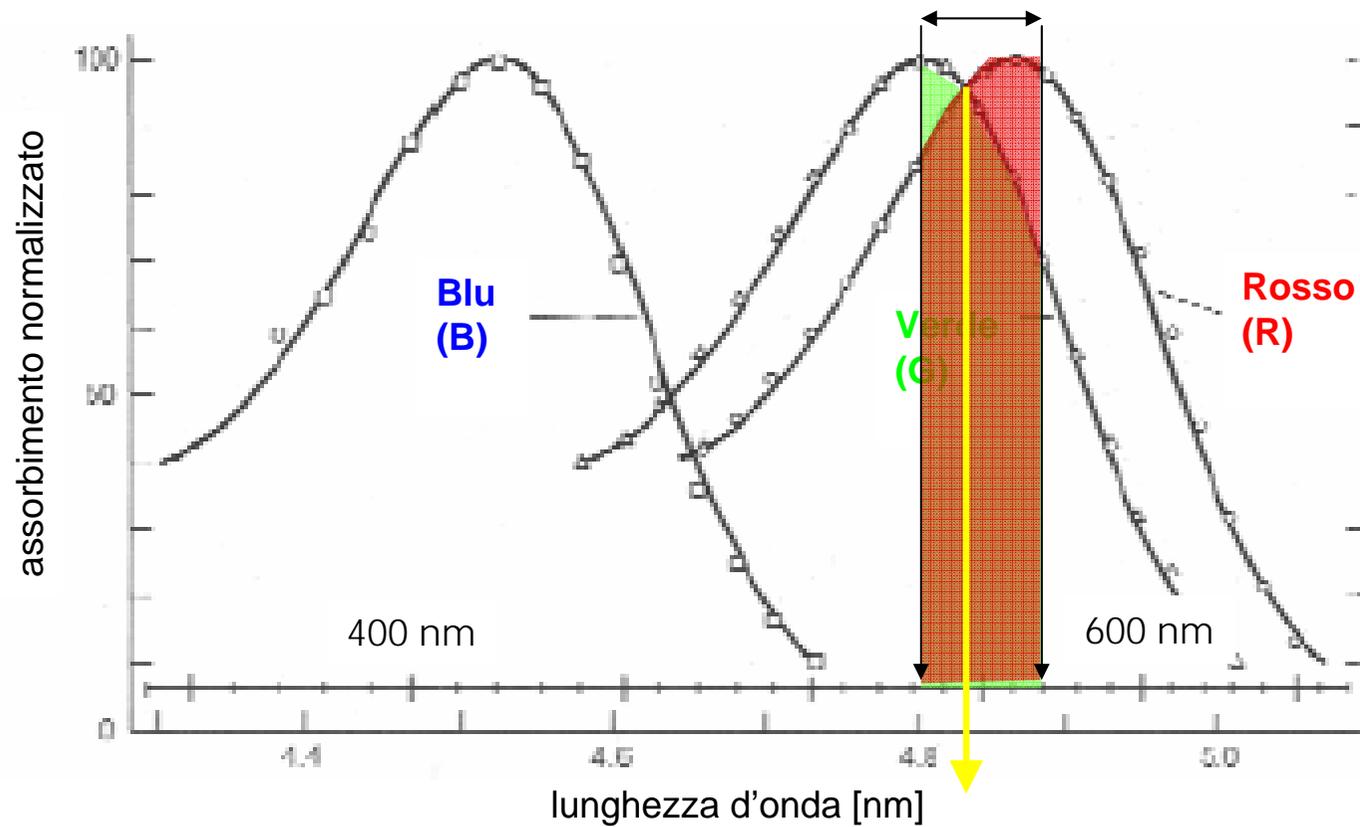
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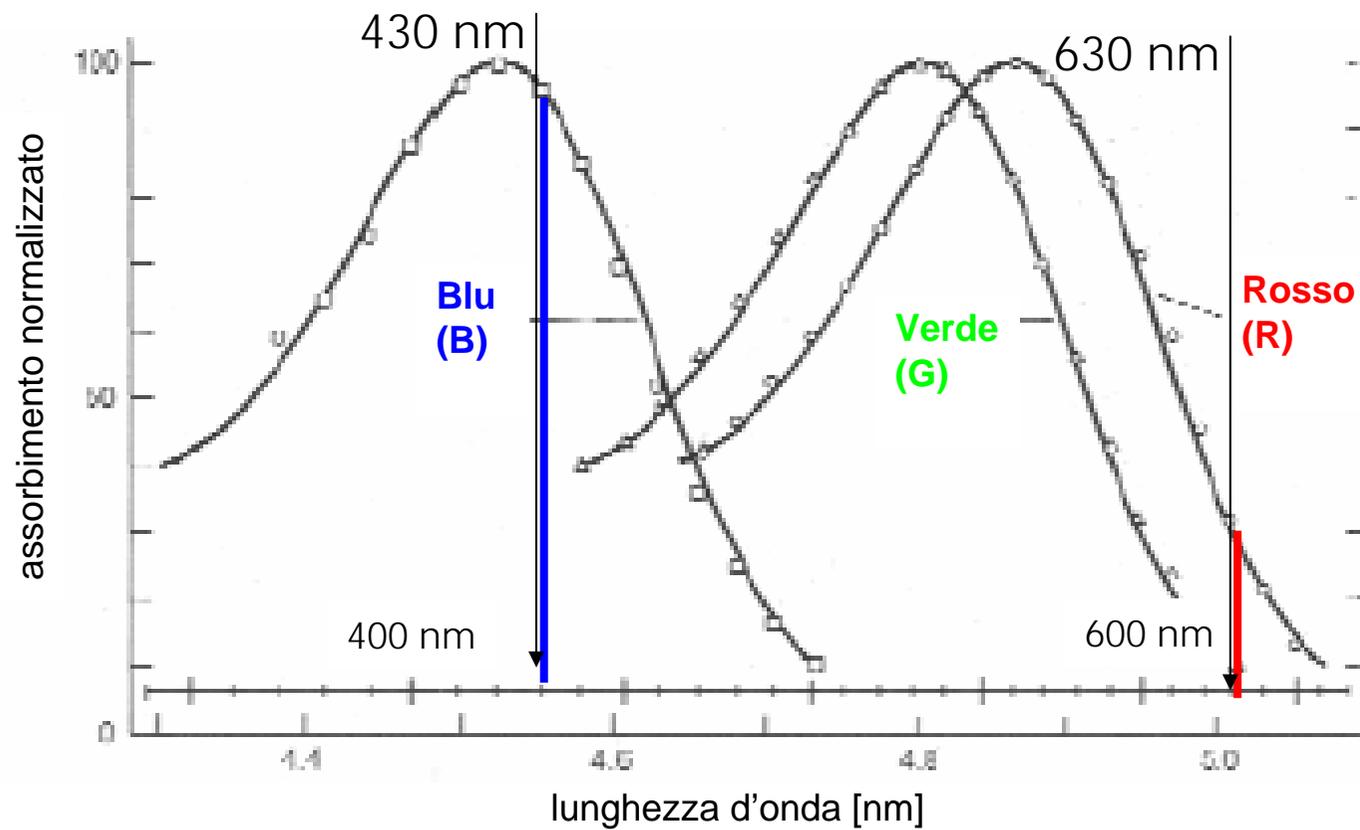
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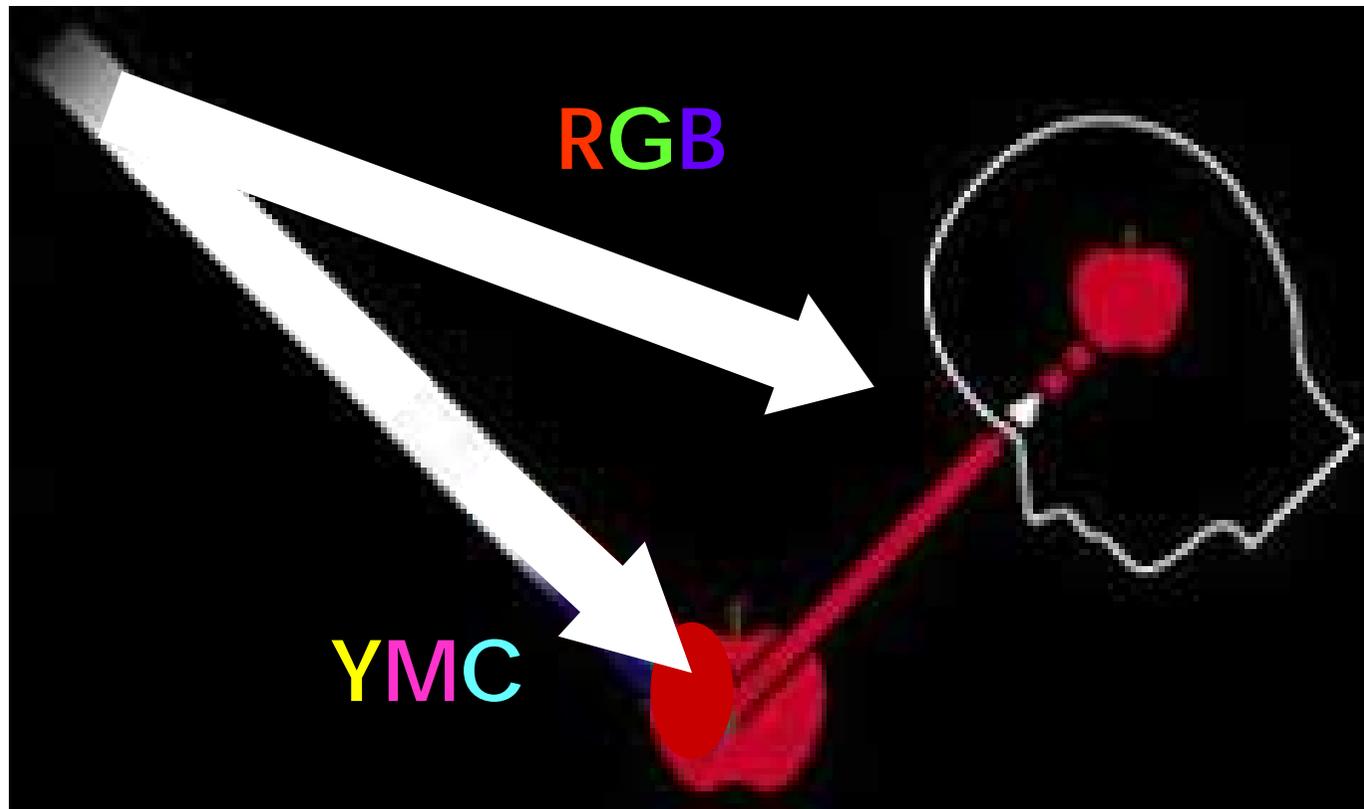
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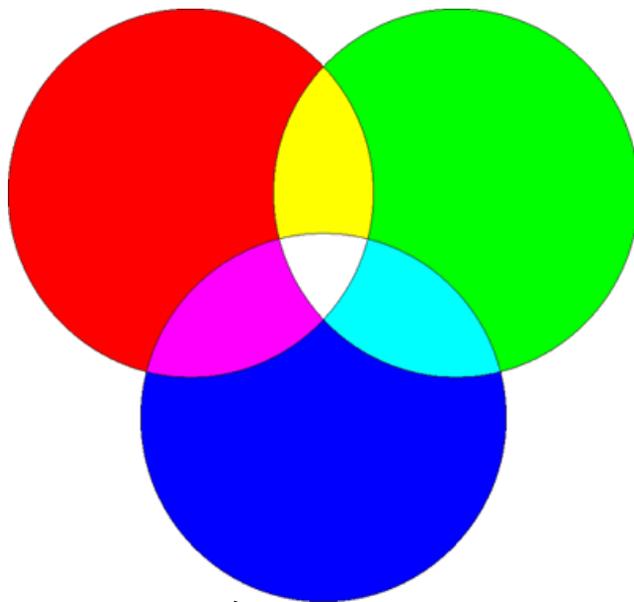


I MODELLI DEI COLORI: ALLA RICERCA DI UNA BASE



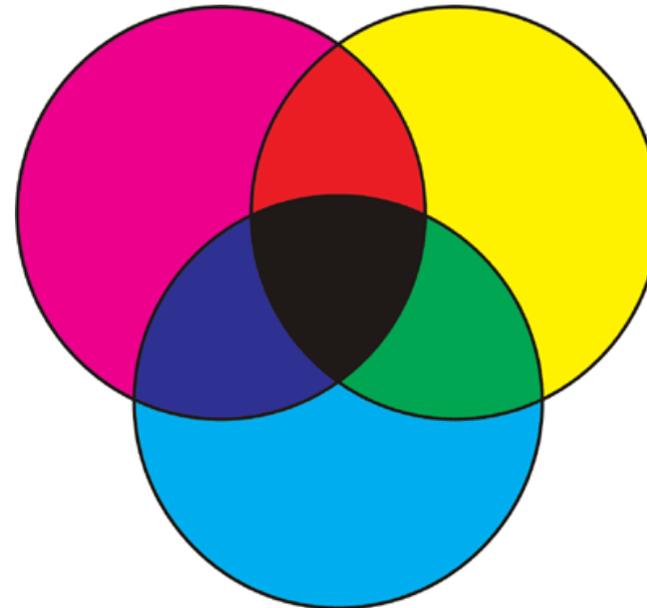
I MODELLI DEI COLORI: ALLA RICERCA DI UNA BASE

RGB



R+G+B (colori primari
additivi)=bianco

YMC

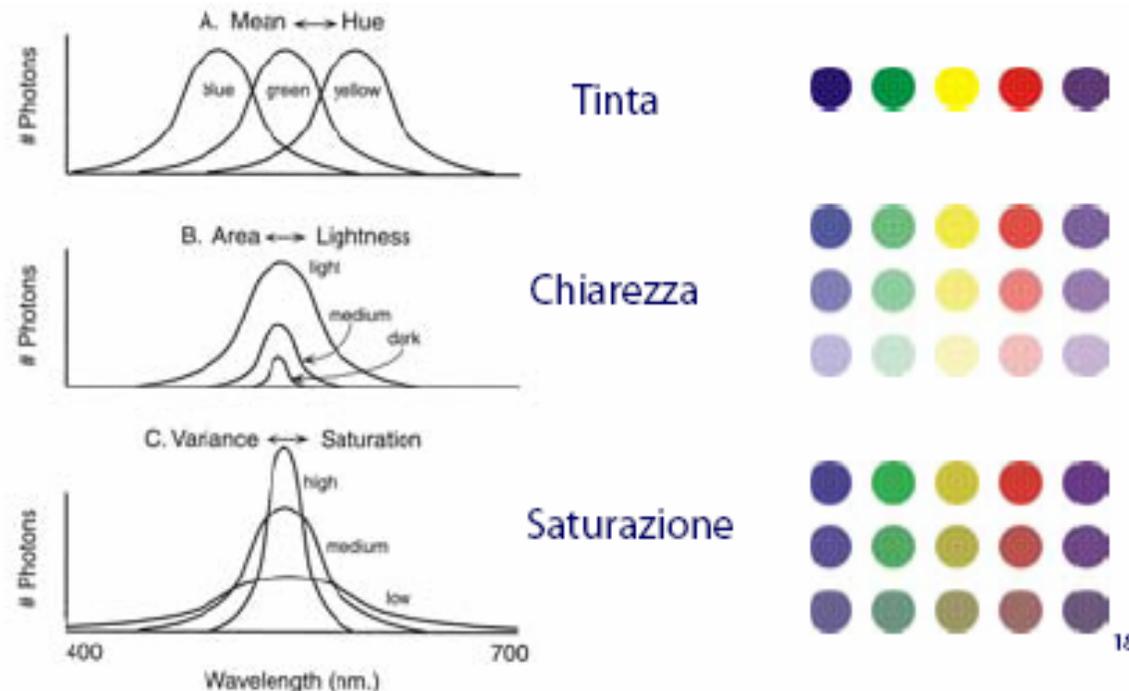


Y+M+C (colori primari
sottrattivi)=nero

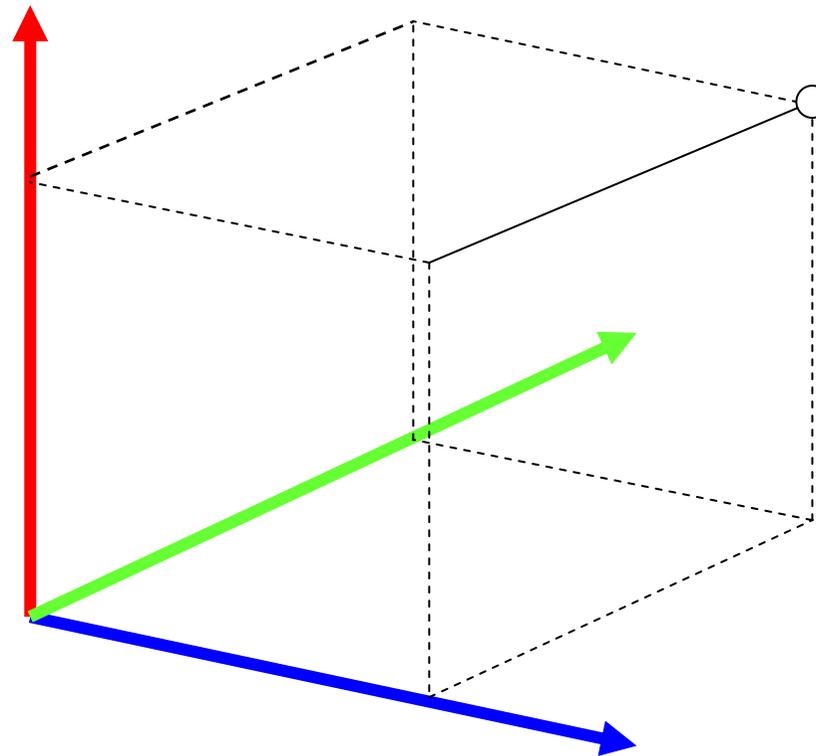
I MODELLI DEI COLORI: ALLA RICERCA DI UNA BASE

HSB

Hue-Saturation-Brightness: Tonalità-Saturazione-Luminosità



LA COLORIMETRIA: LO SPAZIO CROMATICO

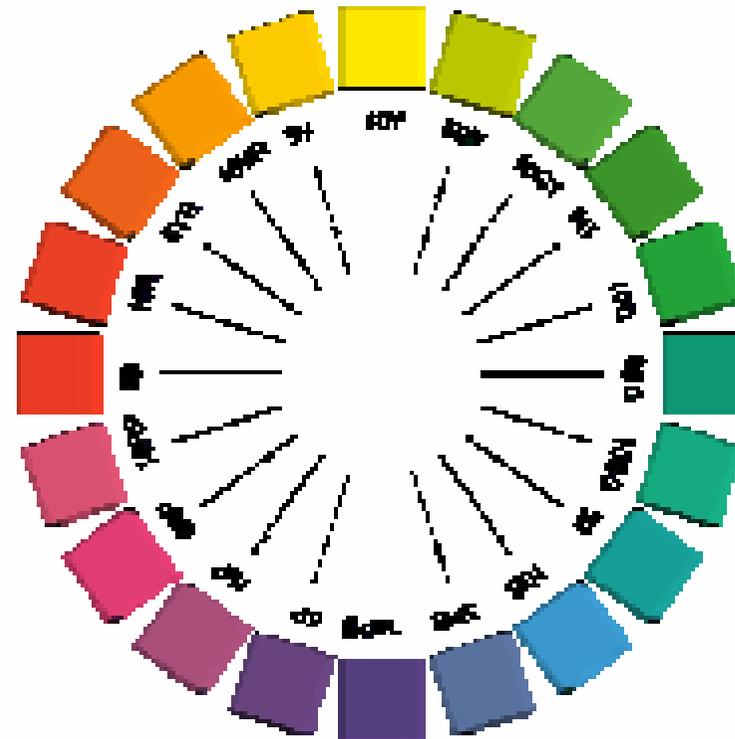
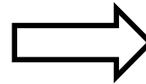
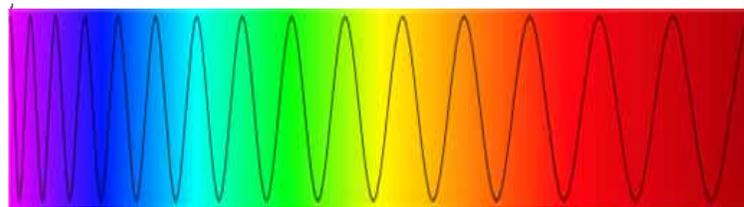


LA COLORIMETRIA: LO SPAZIO CROMATICO

1. Sistema Munsell 1915-1929
2. Sistema CIE (Commission Internationale de l'Eclairage)

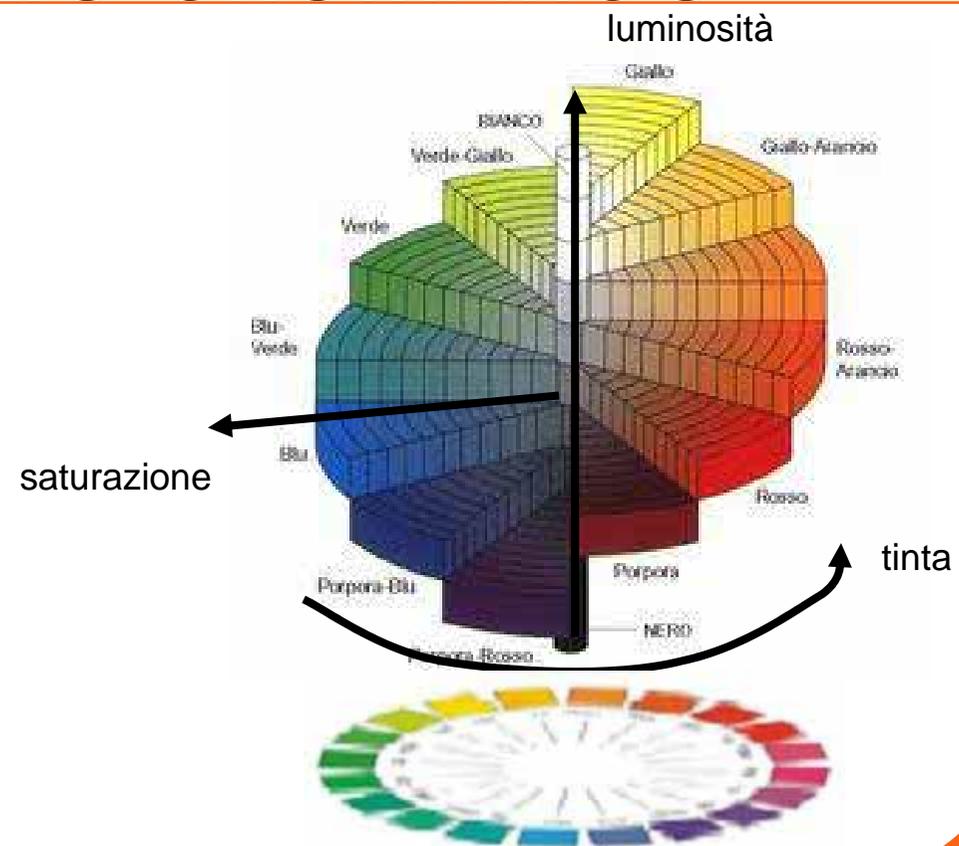
LA COLORIMETRIA: LO SPAZIO CROMATICO

1. Sistema Munsell



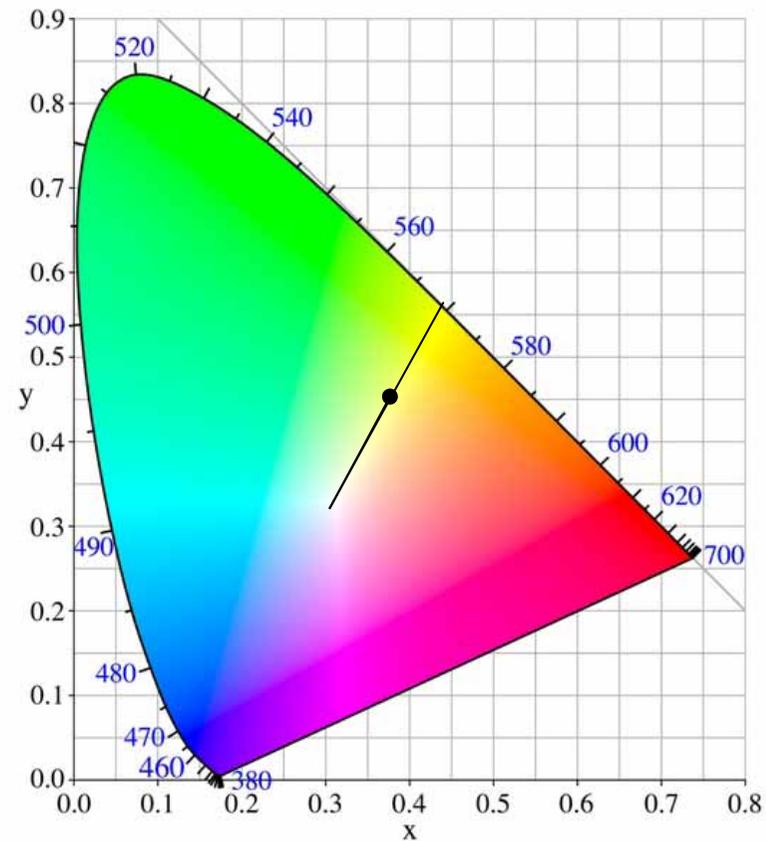
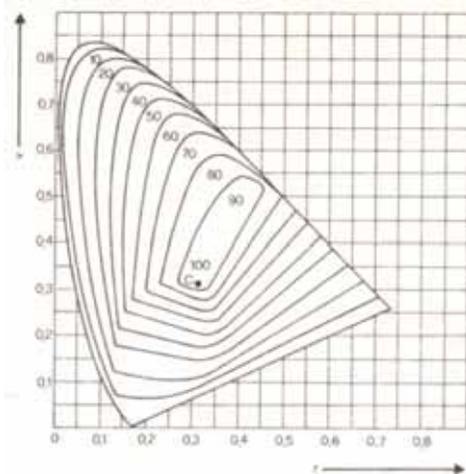
LA COLORIMETRIA: LO SPAZIO CROMATICO

1. Sistema Munsell



LA COLORIMETRIA: LO SPAZIO CROMATICO

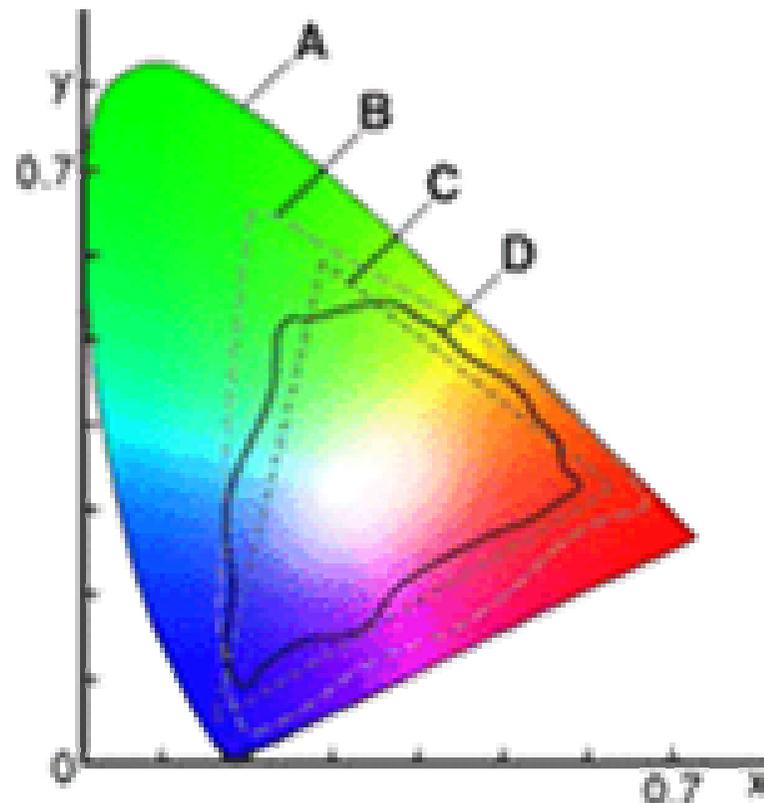
2. Sistema CIE
 (Commission
 Internationale
 de l'Eclairage)



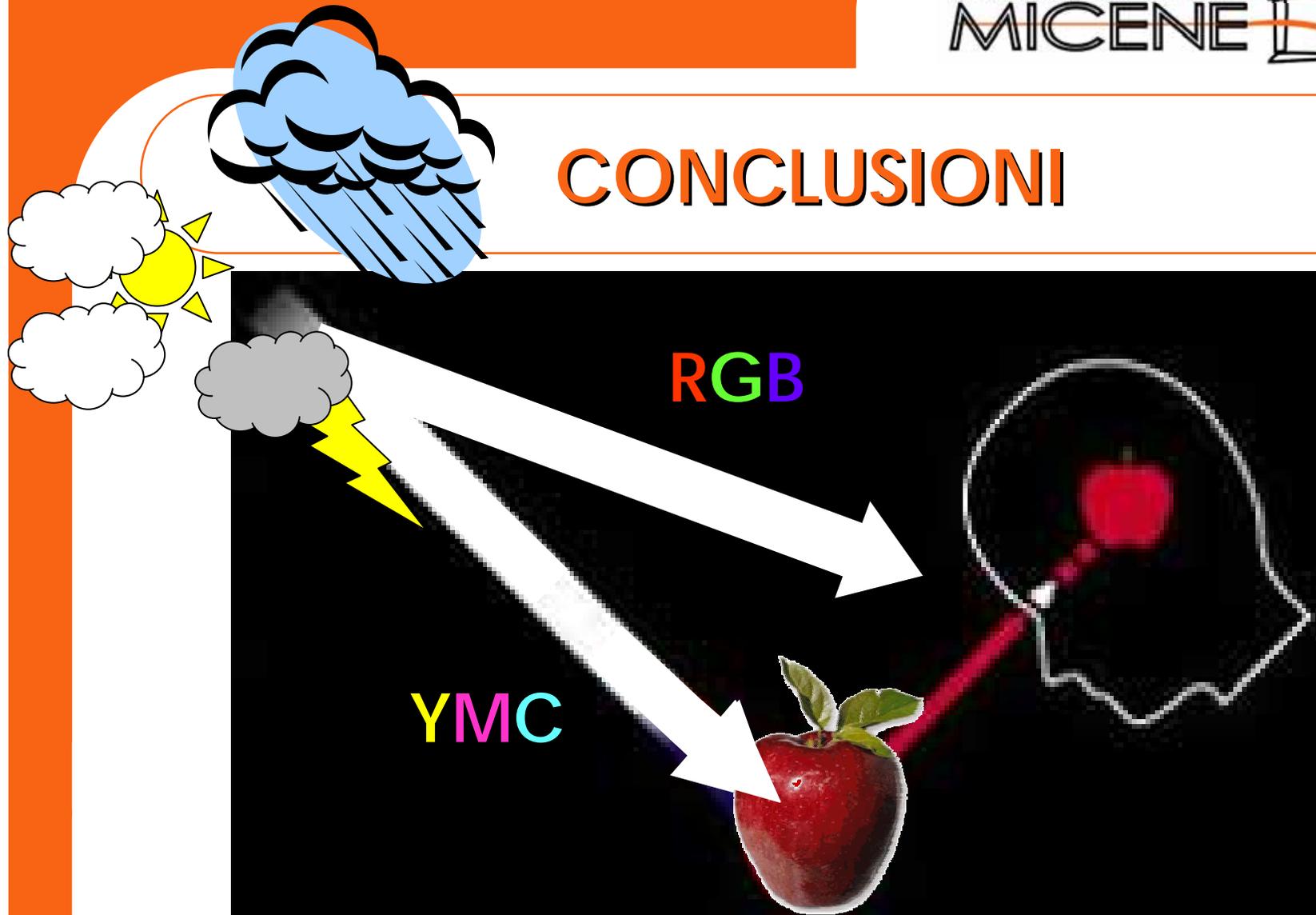
LA COLORIMETRIA: LO SPAZIO CROMATICO

2. Sistema CIE
(Commission
Internationale
de l'Eclairage)

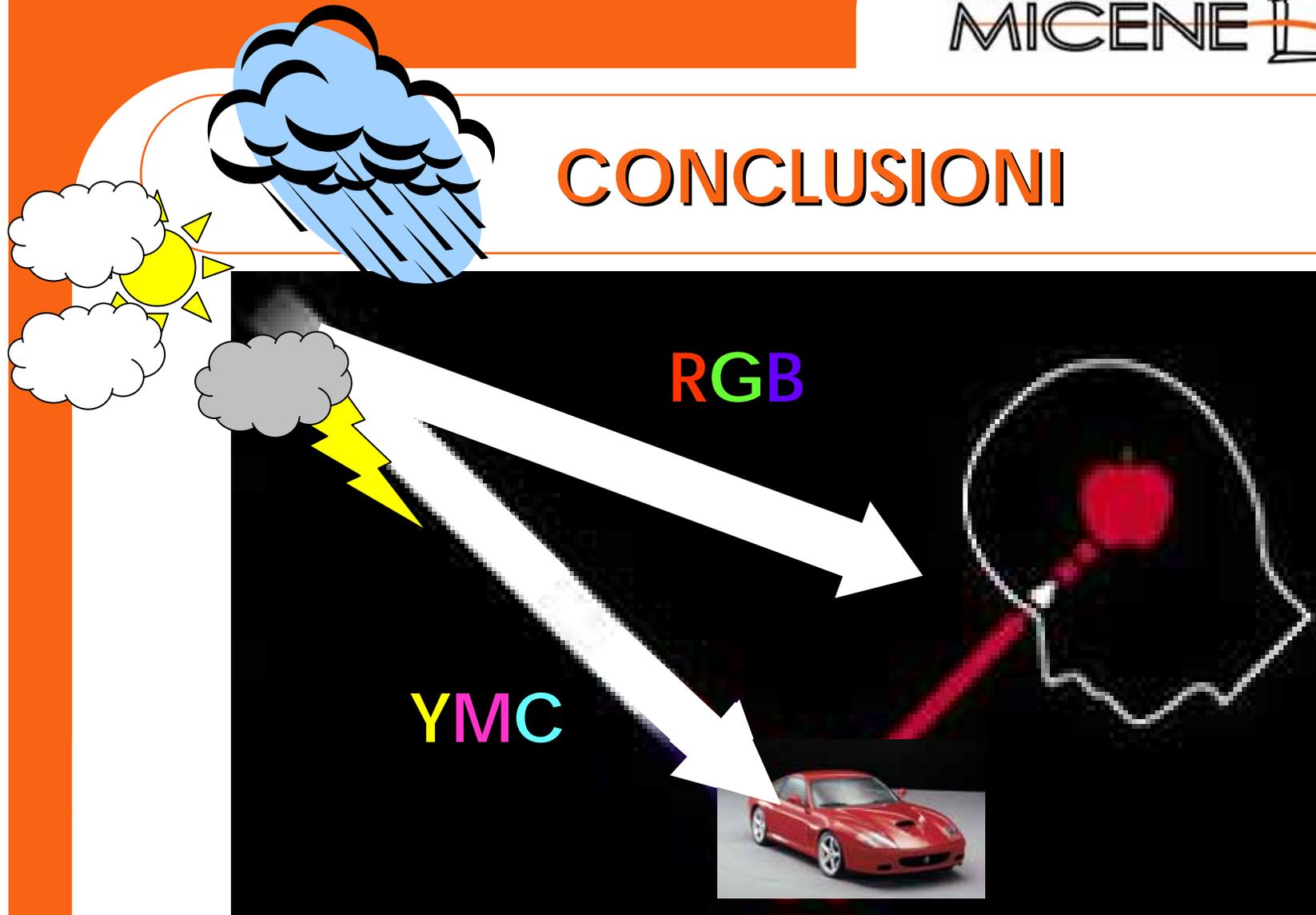
- A - Spazio di colore dell'occhio umano
- B - Spazio di colore di una pellicola a colori
- C - Spazio di colore di un monitor
- D - Spazio di colore della stampa



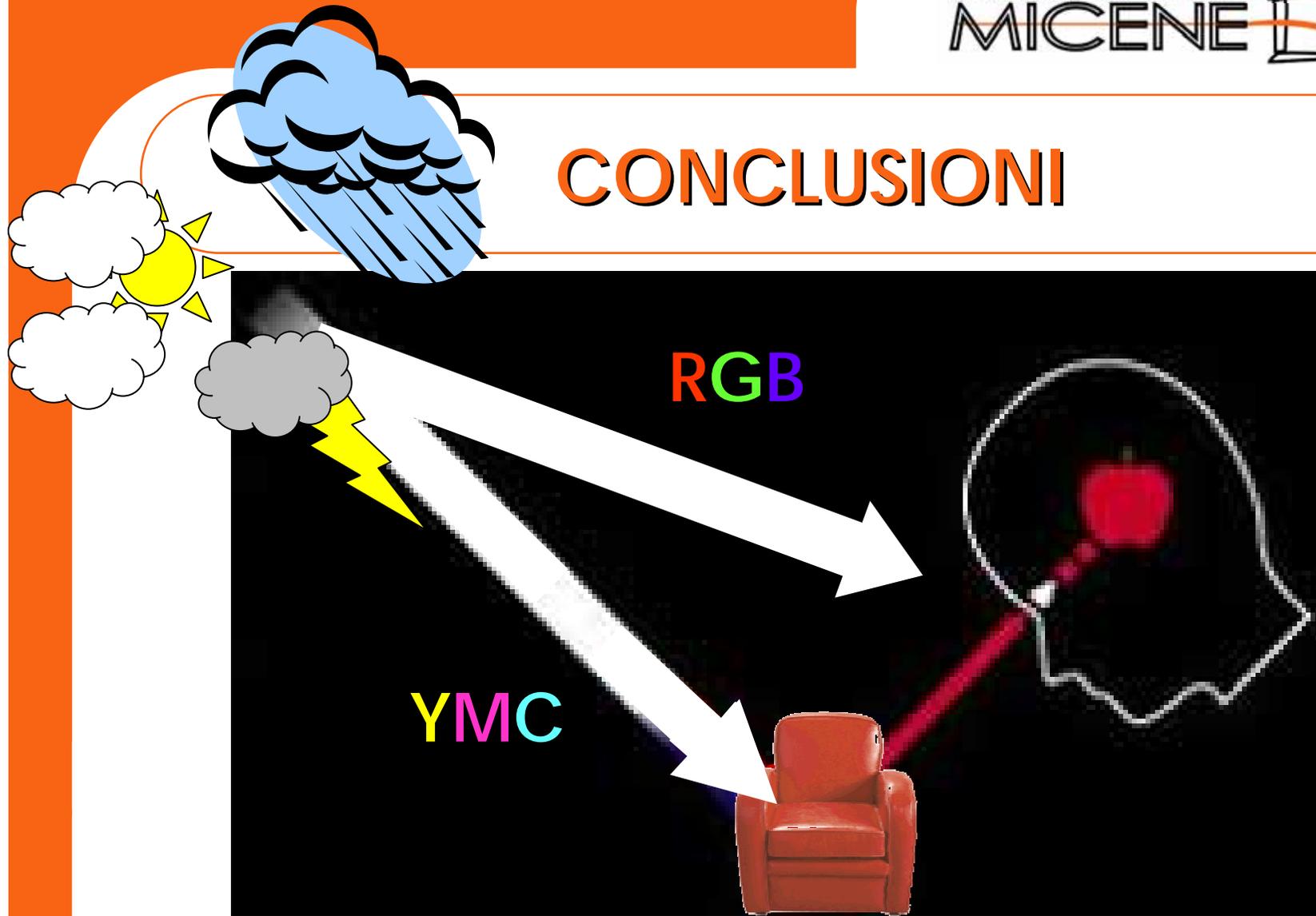
CONCLUSIONI



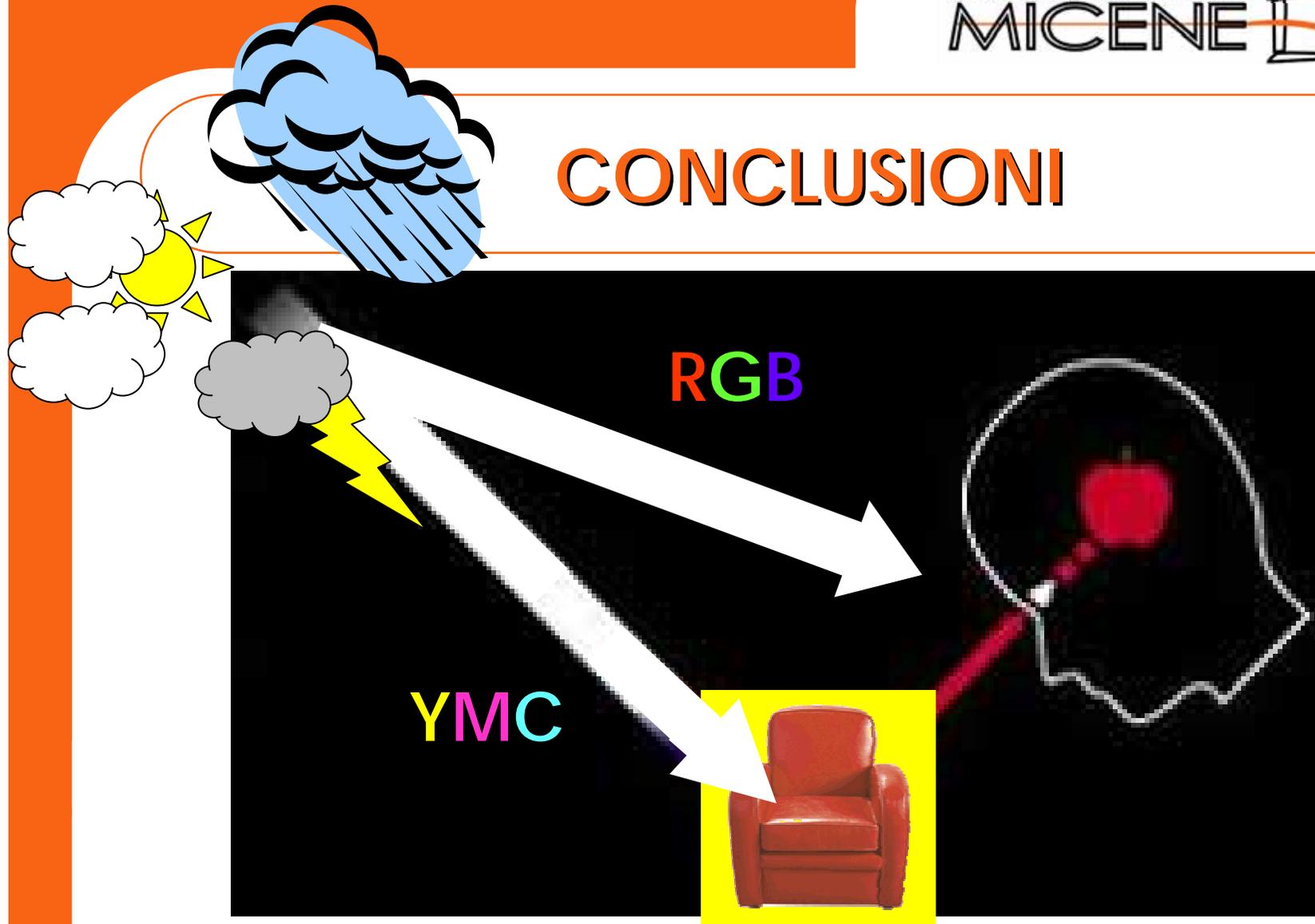
CONCLUSIONI



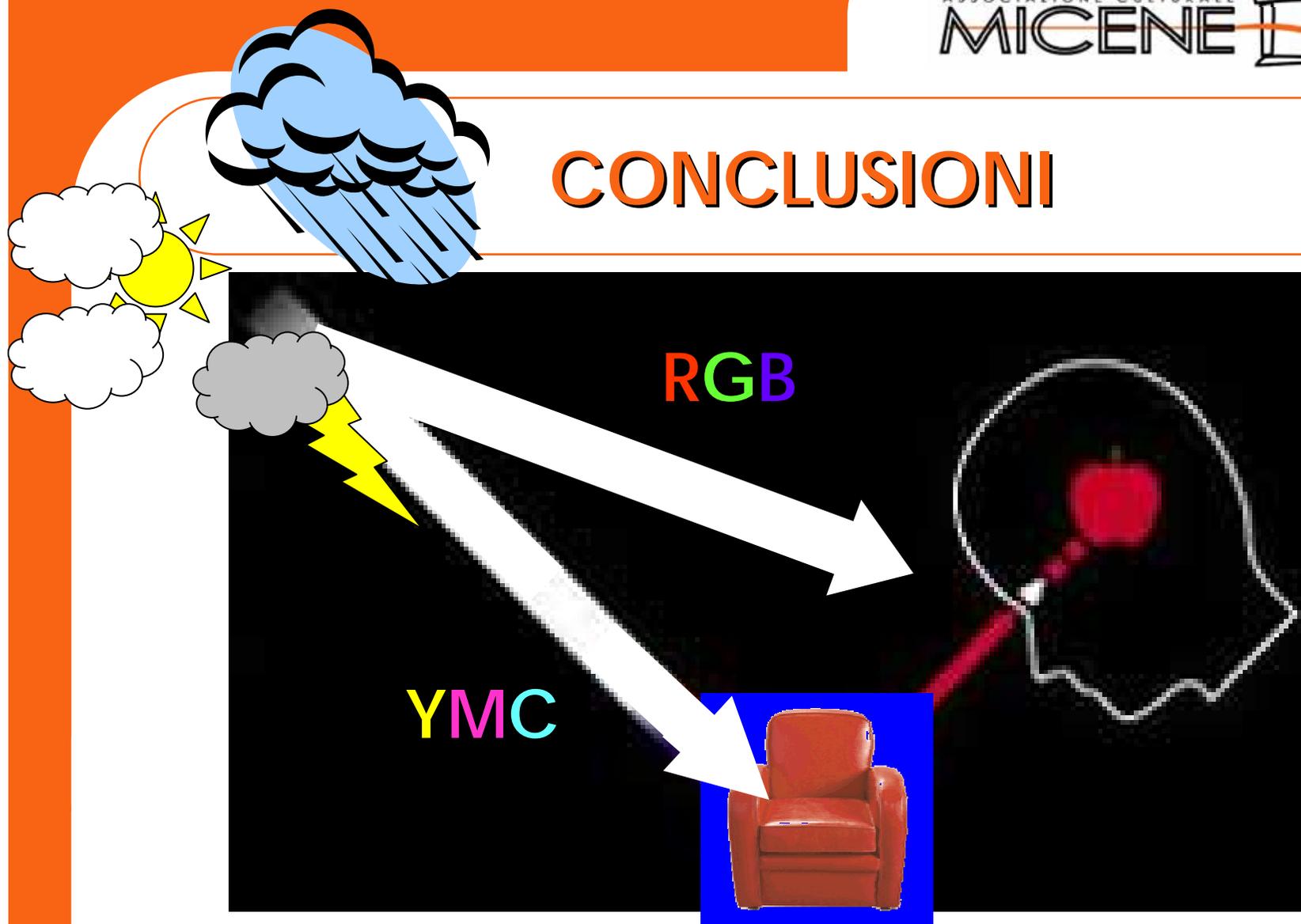
CONCLUSIONI



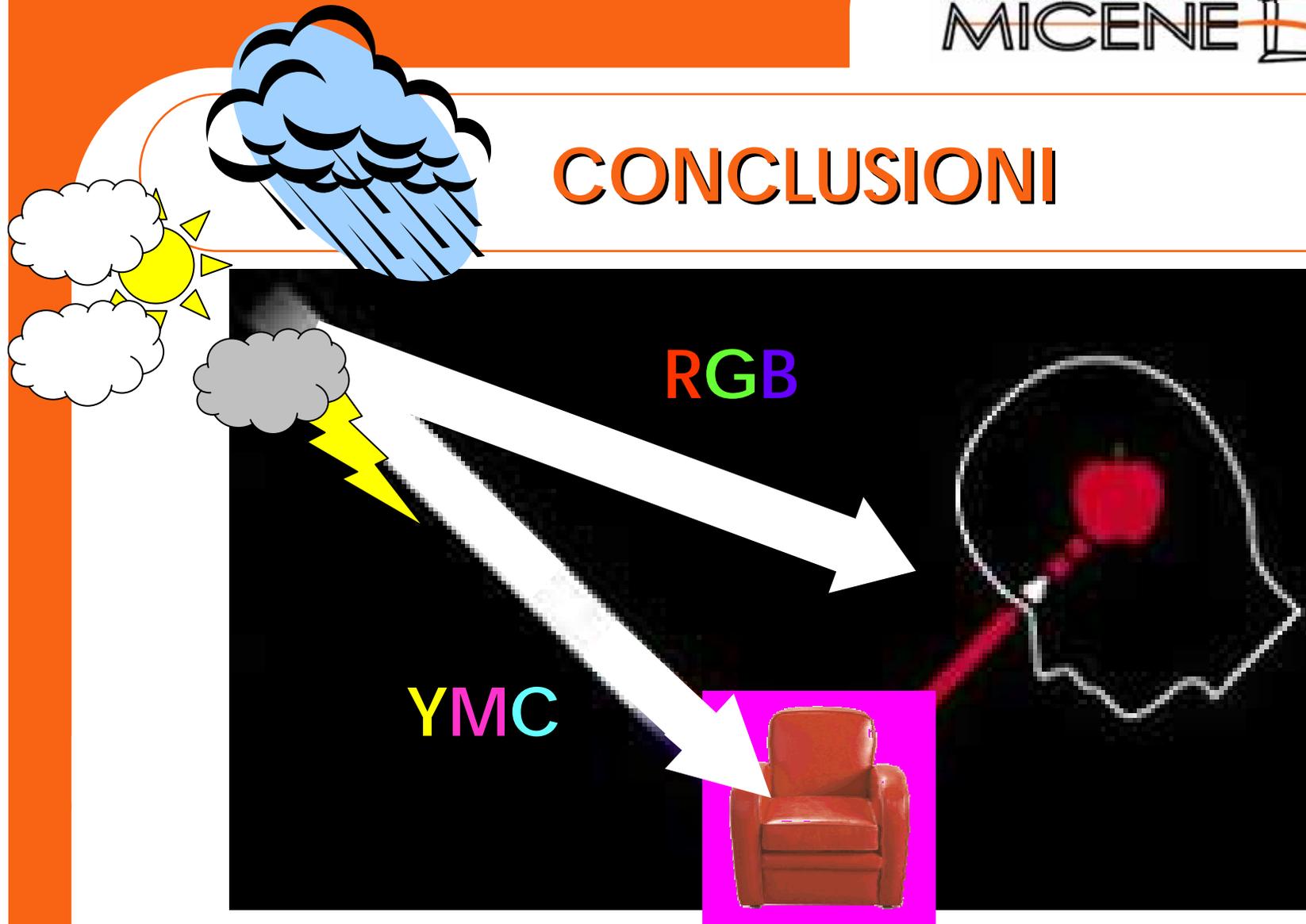
CONCLUSIONI



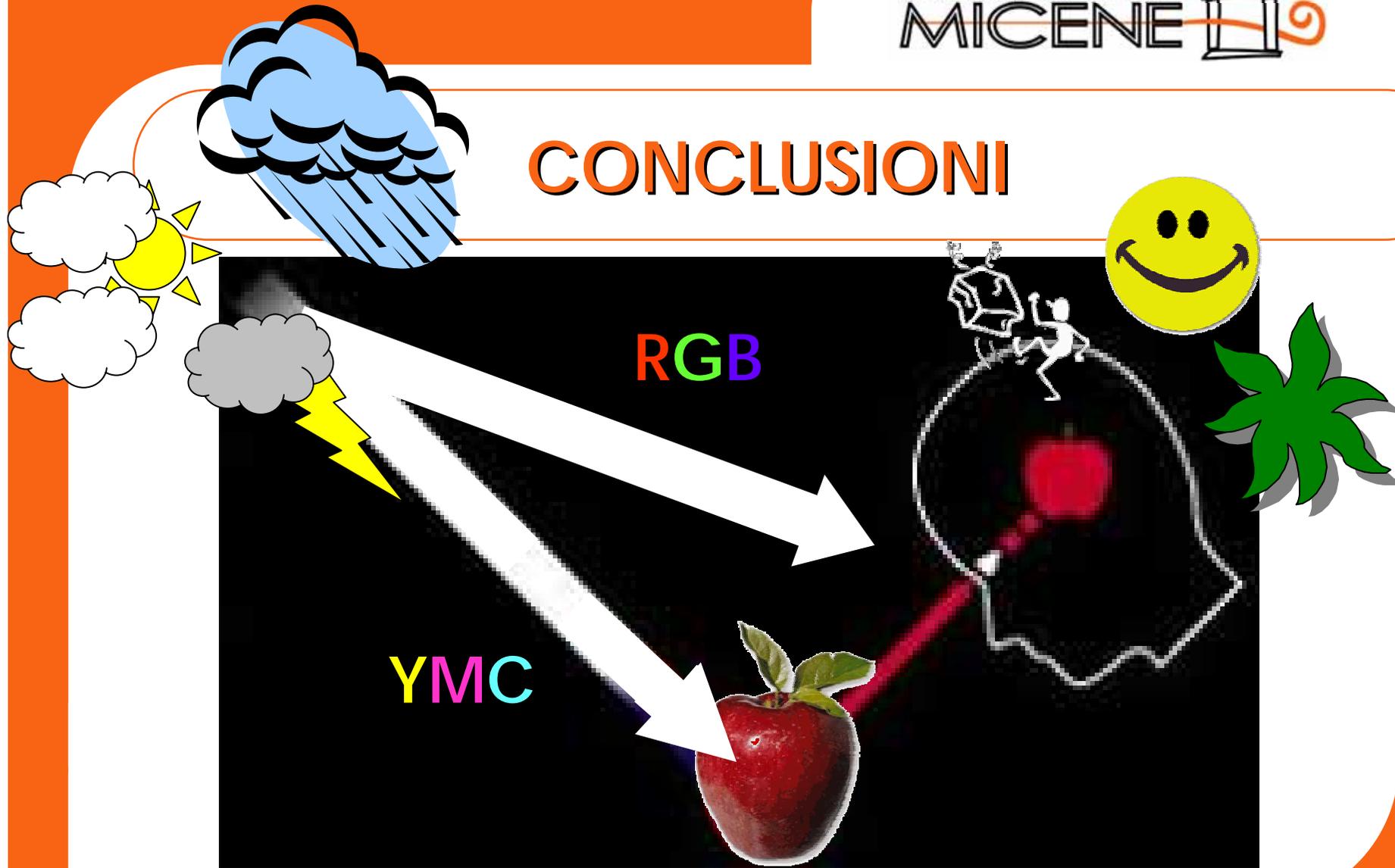
CONCLUSIONI



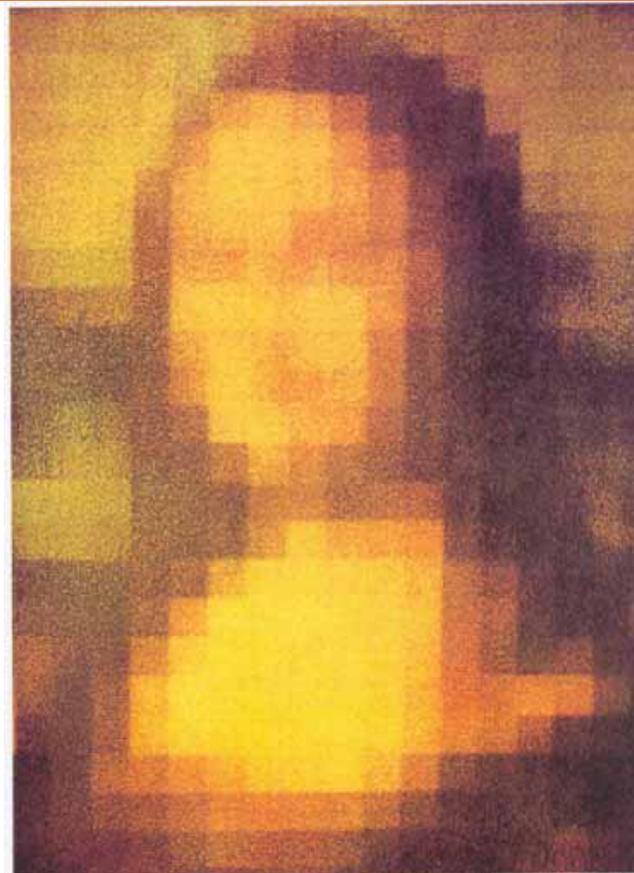
CONCLUSIONI



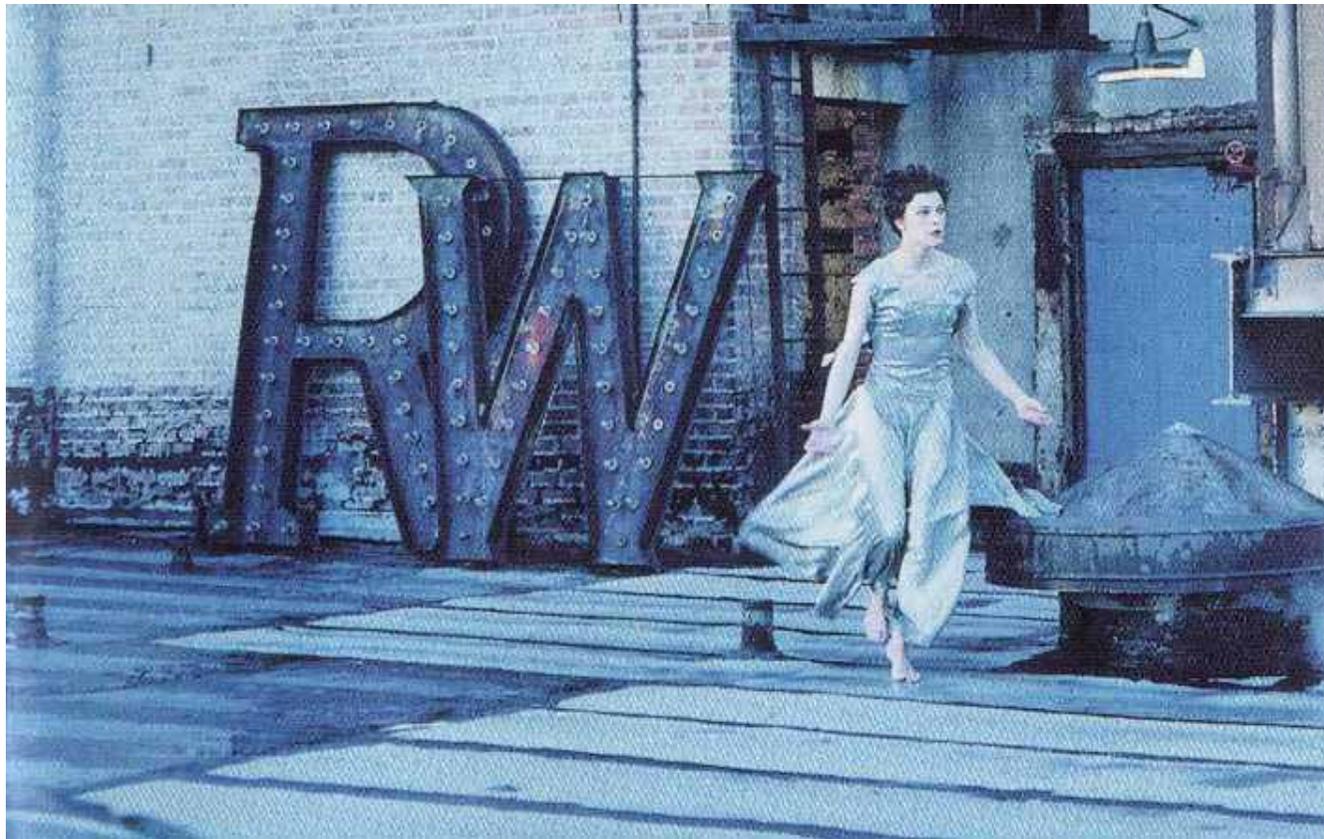
CONCLUSIONI



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COLORE E SCIENZA

GAM di Torino 22-09-2007

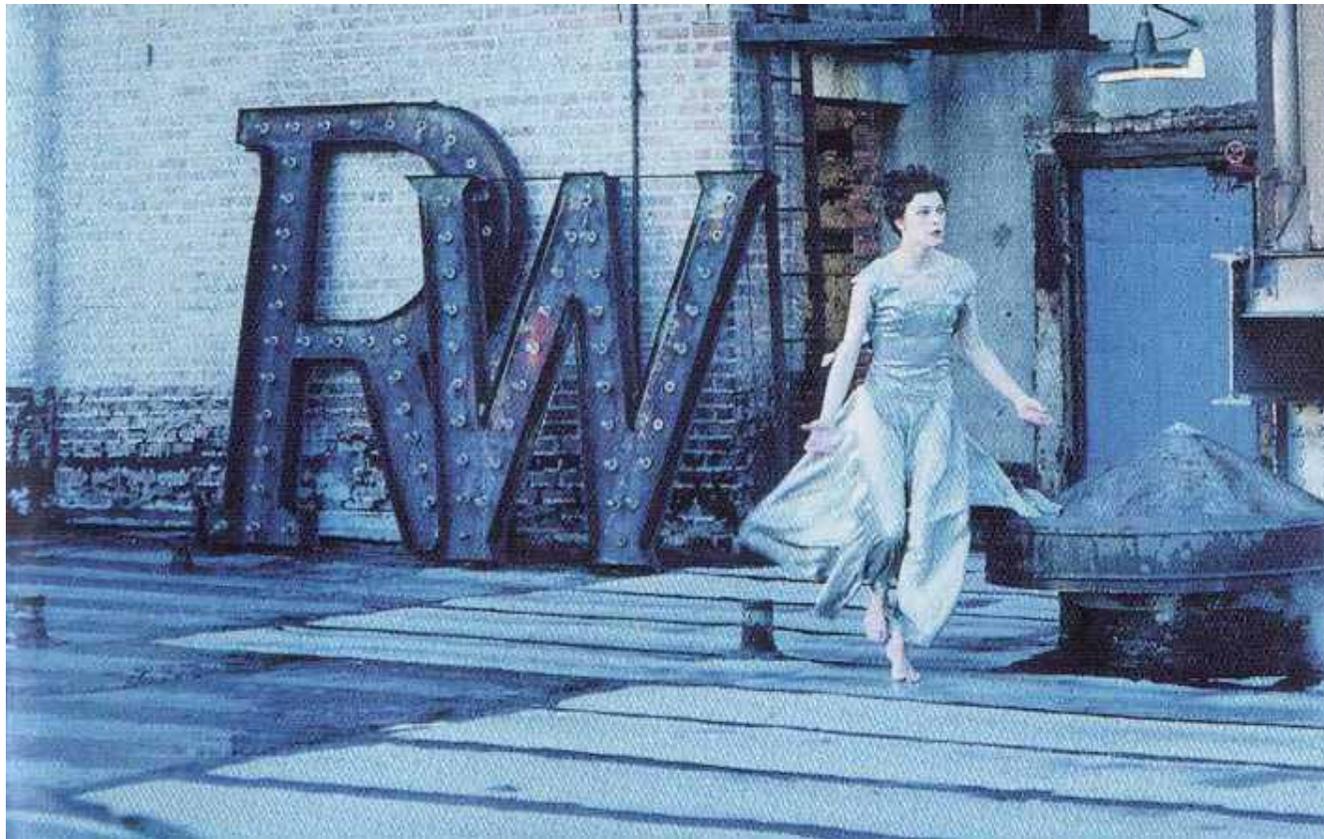
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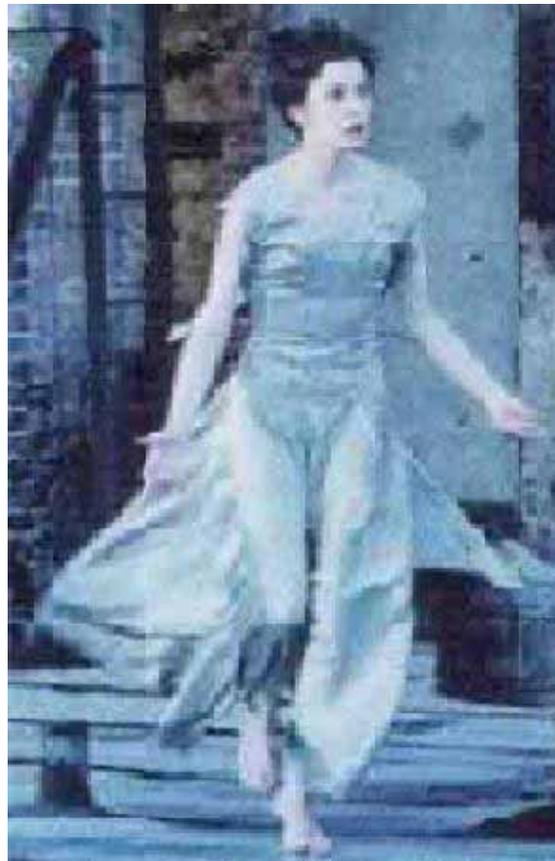
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COLORE E SCIENZA

GAM di Torino 22-09-2007

CONCLUSIONI



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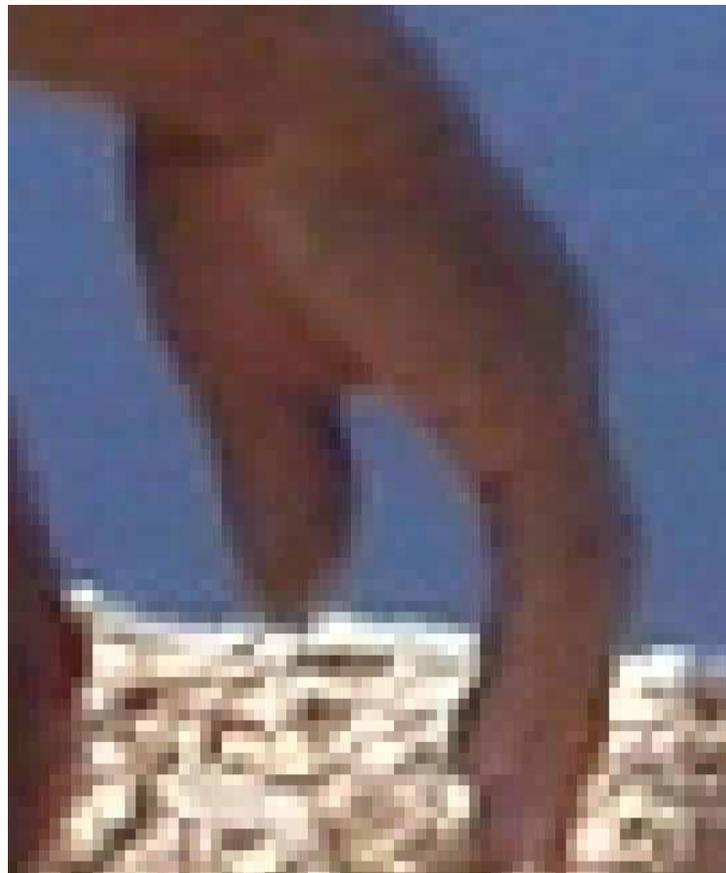
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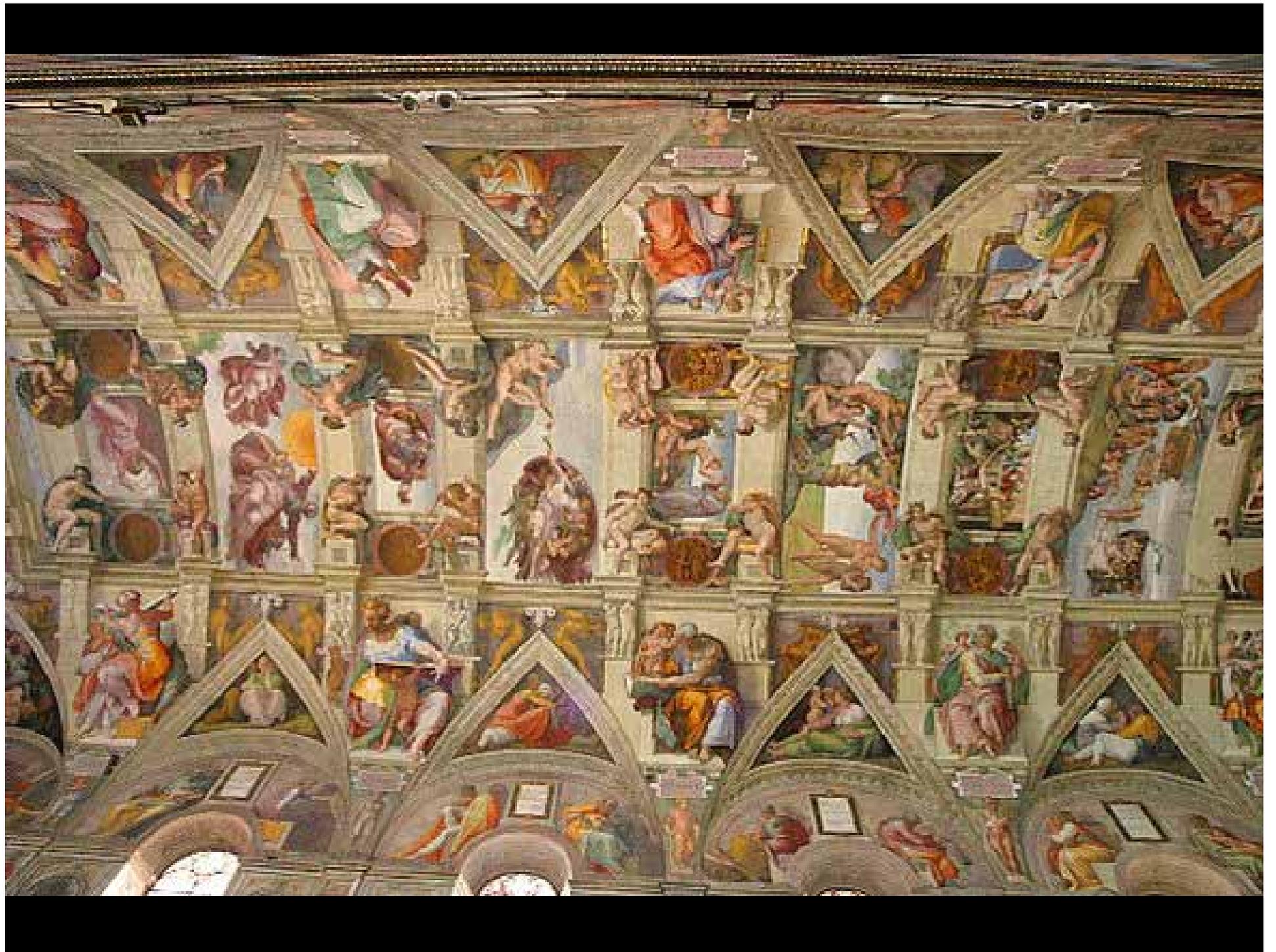


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