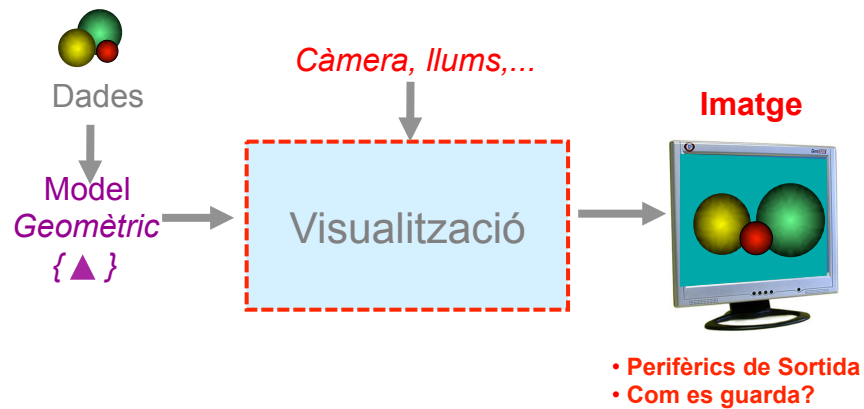


Elements d'un sistema gràfic: **Sortida**



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1

Dispositius i tecnologies

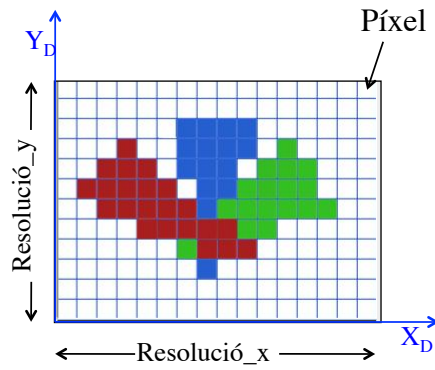
- Per a pantalles:
 - CRT – Cathode Ray Tube
 - LCD – Liquid Crystal Display
 - PDP – Plasma Display Panel
 - LED – Light Emitting Diode
- Per a projectors:
 - CRT - Cathode Ray Tube
 - LCD - Liquid Crystal Display
 - DLP - Digital Light Processing
- Per a impressores:
 - Plotter de plomes
 - Ink jet (injecció de tinta)
 - Laser
 - Sublimació



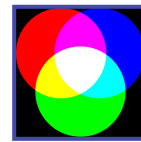
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2

Pantalles d'escombrat/raster

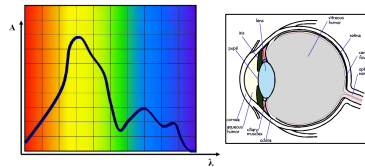


$x \in [0 \dots \text{res_x}-1]$
 $y \in [0 \dots \text{res_y}-1]$
 x, y enters positius!!
 $c = (r, g, b)$
 $r \in [0 \dots n_r-1]$
 ...



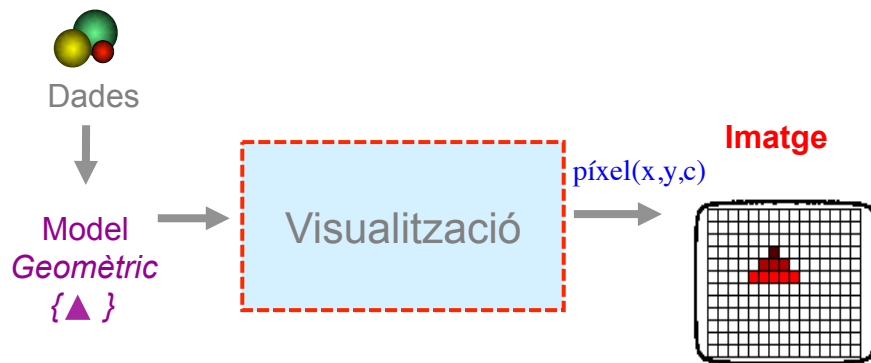
- 8 bits R +
8 bits G +
8 bits B =
- 24 bits per
pixel $\rightarrow 2^{24} =$
16.7 M colors

Síntesi additiva del color



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3

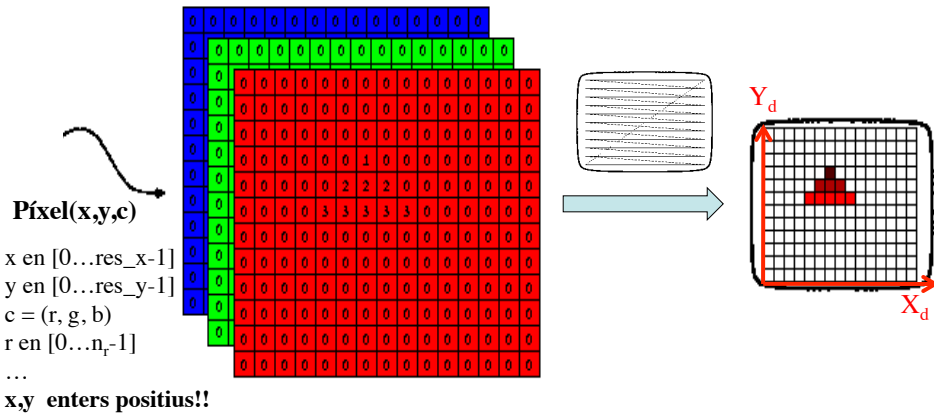


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4

Frame buffer

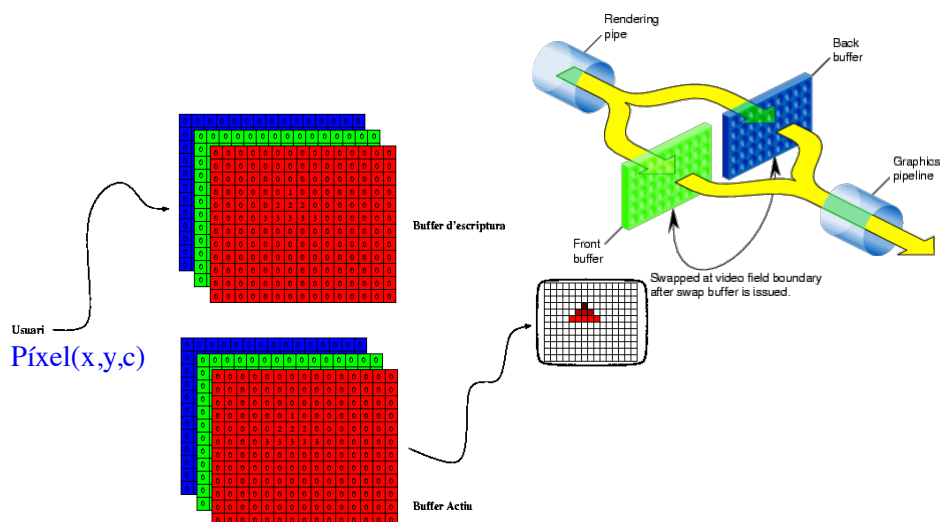
taula $[res_x][res_y]$ de color
 $fb[x][y]=c$



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5

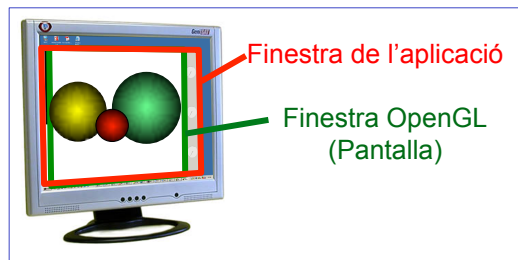
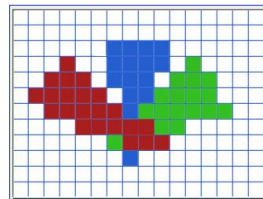
Double buffering



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6

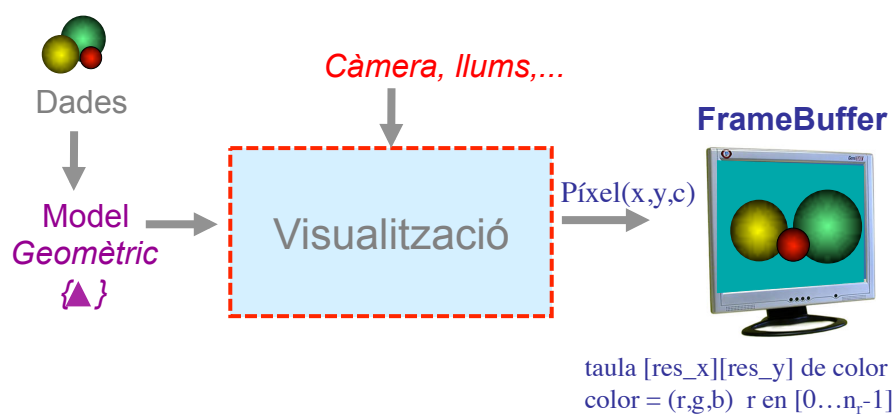
Aliasing. Finestra Gràfica



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7

Elements d'un sistema gràfic: Sortida



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