



Quick History of Interaction

- Early Days:
 - No interaction
- Later:
 - Programs may ask for input as they run
 - Example: typical installer script
- Current: Graphical User Interfaces
 - More than just text!
 - High-resolution display; pointer, keyboard

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- High resolution only applies to about 1% of the photoreceptors in the eye
 - Focus ⇒ moving it to the high-res area of the retina
 - Other 99% of photoreceptors help determine where to focus



Human Color Vision

- Color
 - Can add to or detract from a user interface
 - Understanding color is important!
 - Influences aesthetics of interface, and ergonomic/human factors issues























Graphic Display Technology

- Various display hardwares
 - Colours all based on RGB
 - How colours/pixels rendered differs
- Common idea
 - Each pixel is actually three sub-pixels, a red, green and blue pixel
 - Pack the subpixels very close together so they seem to be colocated
 - Recall: What is the spatial acuity of vision?
- Graphical Displays
 - CRT monitors
 - LCD monitors
 - Plasma displays

















