

+ "What is beautiful is usable"

Tractinsky, et al. (2000)

■ In the field of user interface design, research has shown that visual aesthetics of an interface

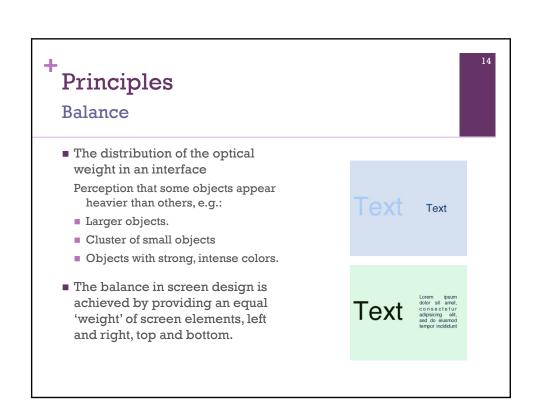
- affects user's perception on the system's. ■ An aesthetically pleasing site is **perceived** as
 - More usable
 - More trustworthy
 - More error tolerant
- In a world of online banking, retail, etc, etc. this is hugely important.
- Its also important if your product is software. Beautiful software products have an immediate advantage over their rivals.

Half time entertainment

- Don Norman is on of the founders of Usability. He has always had a reputation for function over form...
- https://www.youtube.com/watch?v=RlQEoJaLQRA

+ What guides a design? Principles

- Principles of design are concepts used to organize or arrange the components in a design
- We are going to review 3 principles:
 - Balance
 - Emphasis
 - Unity

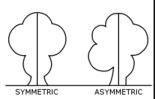


+ Principles

Balance

There are two common systems for achieving balance:

- Symmetry a mirror image
 - Symmetry can occur in any orientation as long as the elements are the same on either side of the central axis.
 - Also called formal balance because a form (formula) is used
- Asymmetry without symmetry
 - Also known as informal balance.
 - The term, however, is usually used to describe a kind of balance that does not rely on symmetry.
 - There are no rules or limits with asymmetrical balance. It can be achieved by careful placement of objects and the use of other organizational devices (like figure/ground in Gestalt principles).





Mondrian achieves a subtle asymmetrical balance in his compositions.

+ Principles Emphasis

- Dominance is to control the attention of someone viewing the visual (make objects easy or difficult to notice).
- There are three major methods for controlling emphasis in a visual image:
 - Contrast
 - Placement
 - Central vision
 - Isolation
 - Search for detail



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Principles

Unity

- The relationship between the individual parts and the whole of a layout.
 - Aspects that are to tie the composition together, to give it a sense of wholeness, or to break it apart and give it a sense of variety.
- Stems from some of the Gestalt theories of visual perception (psychology),
 - specifically those dealing with how the human brain organizes visual information into categories, or groups.
- Careful placements of components
 - connect by one grouping tendency (similarity of color, for example)
 - disconnect by others (distance, for example, or differences of shape, size or direction)
- Understanding gestalt concepts can help to create unity and variety.

*What is it that is guided?

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Components

- ■Foreground
 - Text
 - Colours & images
 - Lines & borders
 - Forms & Controls
- ■Background

+ Summary

Principles
Balance
Emphasis
Unity

Components
Foreground
Text
Colours & images
Layout, lines & borders
Forms & Controls
Background

References Visual Aesthetics in human-computer interaction and interaction design by Noam Tractinsky. http://216.92.33.154/encyclopedia/visual aesthetics.html Course notes for a 2D design course http://daphne.palomar.edu/design/Default.htm Art, Design and Gestalt Theory by Roy R. Behrens http://www.leonardo.info/isast/articles/behrens.html The Principles of Design magazine article http://www.digital-web.com/articles/principles of design/ Prepared by Safurah Abdul Jalil & Beryl Plimmer 2011