Visual Impact:

Understanding Graphic Design Basics

Presented by Instructional Services' Graphic Design Team



Presentation Outline

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Presentation Outline

What is graphic design?

visual communication

+

problem-solving

By utilizing...

Typography

Illustration

Symbols

Copywriting

Icons

Infographics

Photography

Graphic Design Defined

The art of creating a design that **communicates** a specific message and **performs** a particular function.

Graphic Design Defined 4

What is the purpose of graphic design?

attract

,

engage



or inform

Involves principles...

Color theory

Typography

Layout

Composition

Used in...

Branding

Web design

Editorial design

Wayfinding

Logos + more

Considers...

Cognitive

Cultural

Physical

+ Social factors

Requires knowledge of...

Design principles

Artistic sensibilities

Technical skills

Design principles

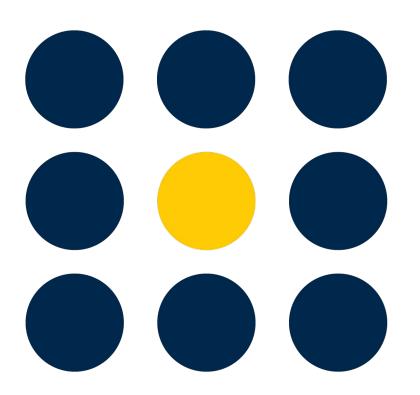
Understanding the basics of graphic design starts with familiarizing yourself with core elements and principles.

- 1 emphasis
- 2 balance + alignment
- 3 contrast
- 4 repetition
- 5 proportion
- 6 movement
- 7 white space

7 Design Principles

Emphasis

The hierarchy in a design can be established using emphasis; ensuring that the most important elements are seen first or hold the most visual weight.



Achieved by...

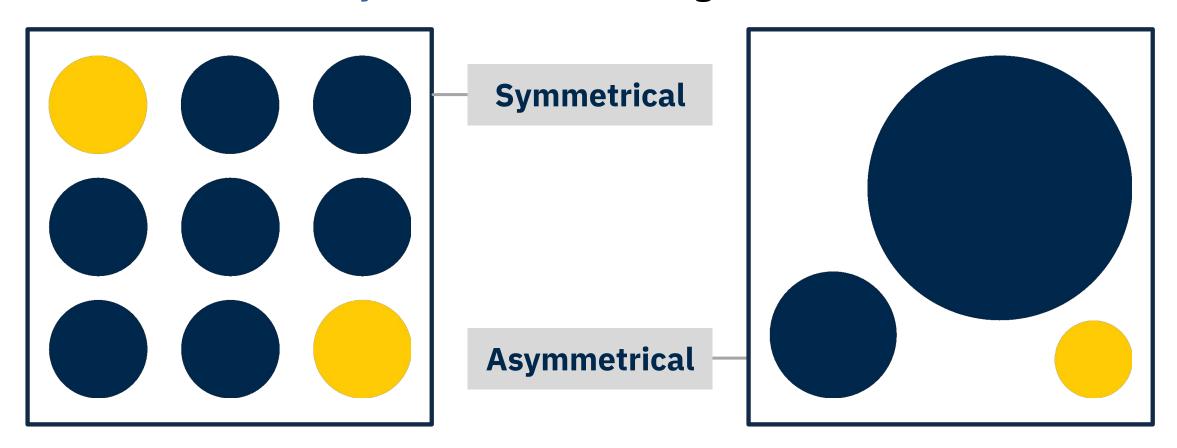
- Size (larger elements typically seem more important)
- Color
- Contrast (differences in color, size, type etc.)
- Placement

- Alignment
- Proximity
- Repetition
- Surprise

The understanding of hierarchy could significantly improve the effectiveness and functionality of your design.

Balance + Alignment

Balance and Alignment are key principles in graphic design as they provide structure and stability to an artwork or design.



Balance + Alignment

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Left

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed pulvinar ultricies, purs malesuada libero.

Right

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed pulvinar ultricies, purs malesuada libero.

Center

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed pulvinar ultricies, purs malesuada libero.

Justified

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed pulvinar ultricies, purs malesuada libero.

Distribution of visual weight

Text boxes, images, and colors carry weight

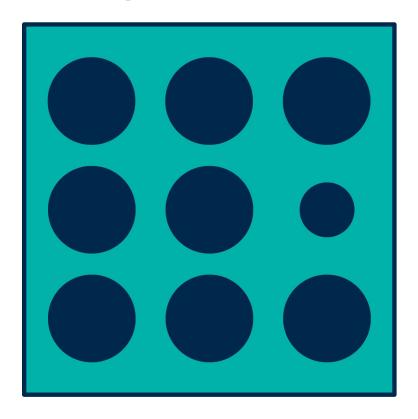
Placement makes a design feel balanced or unbalanced

Lack of balance and alignment can make a design feel chaotic and haphazard, causing the message to be lost.

Contrast

Contrast is a principle that involves placing opposing elements in a design to highlight their differences, and/or create visual interest or focal points.

(Ex: light and dark, black and white, large and small, textured and smooth, etc.)



Here are a few ways contrast can be used:

- Color Contrast
- Type Contrast

Contrast in Space

- Size Contrast
- Contrast in Shape
- Contrast in Value

Accessibility tip:



White text against
Taubman Teal background
does not pass accessibility
standards



BUT using UM Blue against Taubman Teal **does**.

Contrast

Size contrast is creating

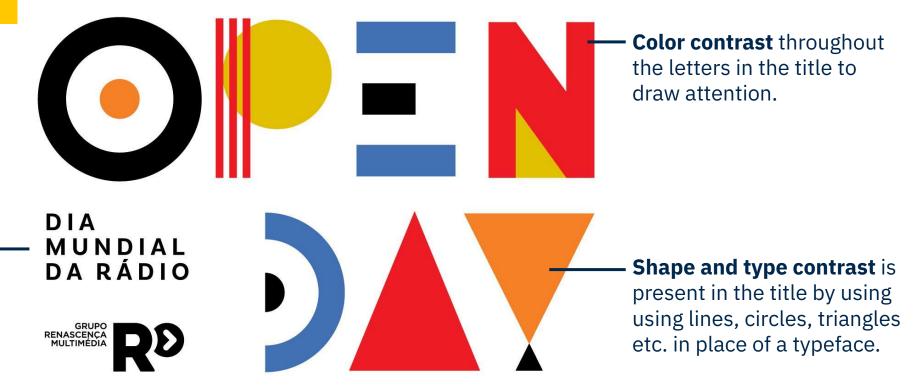
hierarchy causing the

viewer's attention to be

drawn to the main event

(title), and the company

and event details after.

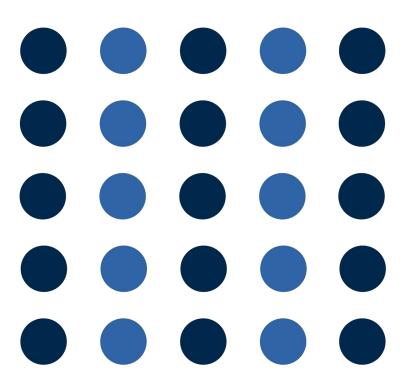


SOURCE: Helena Baltazar, NOSSA DESIGN.

Accessibility tip:

Use High Contrast to ensure there is enough contrast between text and its background. This helps users with low vision or color blindness to read the content.

A fundamental principle in graphic design that repeats certain elements within a work to bring out a sense of unity, consistency, and cohesiveness.



Repetition can include aspects like:

- Color
- Styles
- Typography
 Textures

Imagery

Icon

A consistent layout throughout your design helps users, especially those with cognitive disabilities, to better understand and navigate your content.

A fundamental principle in graphic design that *repeats certain elements* within a work to bring out a sense of unity, consistency, and cohesiveness.



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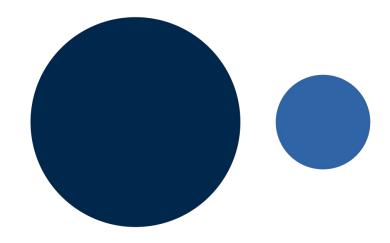
Proportion

Proportion in graphic design refers to the relationship in size, position, and space between different elements in a design piece.

Proportion can be used to create emphasis and hierarchy.

Goals:

- Creating a sense of balance and harmony where all parts
 of the design work together
- No single element is overpowering or insignificant



Example: larger elements are typically seen as being more important and might be used to draw attention to a key message.

Proportion

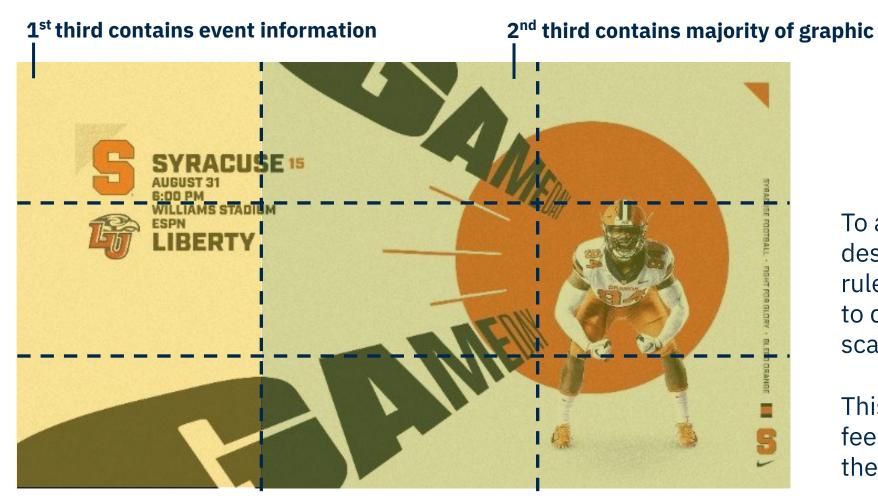


SOURCE: Noah Hammerman, Akshay Ram, Sammy Silverman.

To achieve good proportion, designers often use grids, the rule of thirds, or the Golden Ratio to decide the placement and scale of visual elements.

This helps ensure that the design feels balanced and pleasing to the eye.

Proportion



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This helps ensure that the design feels balanced and pleasing to the eye.

scale of visual elements.

Rule of thirds example

Movement helps guide a viewer's eye, creating a flow from one element to another, establishing direction and hierarchy in a design.

Some ways movement can be applied to design:

- Lines and Shapes
- Color

Size and Scale

- Typography
- Imagery + Composition
- Action Motion

Using the principle of movement, designers can create dynamic compositions that communicate their message.

Movement helps guide a viewer's eye, creating a flow from one element to another, establishing direction and hierarchy in a design.

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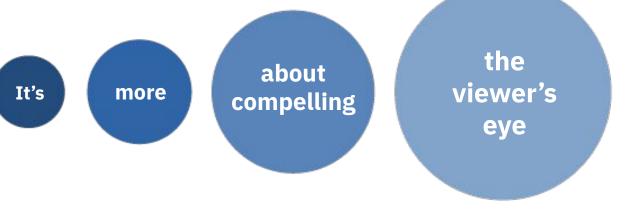


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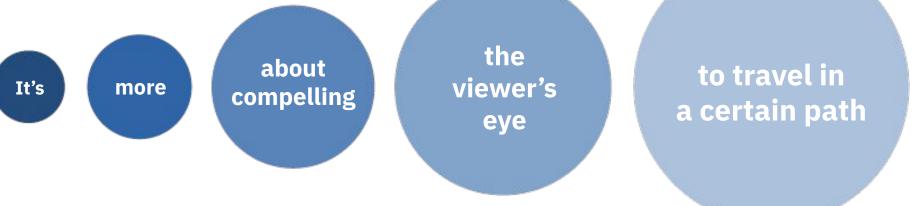


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the viewer's eye

to travel in a certain path

around the design.

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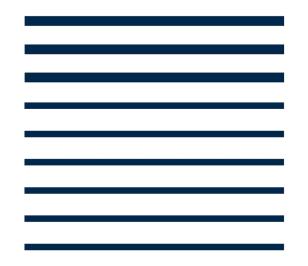
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White Space

White space (negative space) refers to the empty areas in a design. It's the space between graphics, margins, gutters, columns, and lines of type or figures and objects.

Key functions include:

- Legibility
- Focus
- Separation
- Clarity
- Balance



White Space

Text hierarchy through various sizes and type usage that helps your eye travel through the document

Clear and uniformed space in margins and columns

Goals:

- Reduce clutter
- Easy navigation through design
- Improve the viewer's experience



Welcome Guide

Here's a little help on navigating this Workshop Kit

This hands-on workshop will give you and your team a simple, inclusive and reusable process using the basic principles of Design Thinking. It will take you from idea generation, right the way through to sketching and creating interactive prototypes.

To make sure you start off on the right foot with this Design Thinking Workshop Kit, here's a breakdown of each file in the folder you've downloaded and how to use them.



Clear and uniformed space around image

The Design Thinking Workshop Kit includes:

Facilitator Guide

Once you've decided who'll be leading the workshop, ensure they read this guide prior to the session. It'll help them explore their role as Facilitator, prepare for the session and access some email templates to help them coordinate this workshop!

Workshop Slides

These go hand in hand with the Workbook, they're here to help keep everyone on track in your session. Simply pop the slides up on the big screen for everyone to see and use them as a reference point throughout the workshop.

Workbook

This is the detailed Workbook each attendee should have to hand. Make sure enough copies are printed for your session, as it gives context to each stage of the Design Thinking process and has templates for written and sketch work.

Presentation Template Slides

Each team will present their solution at the end of the workshop, so, to make sure noone misses a beat and presents their absolute best - we've created template slides for you. They'll need access to this deck in the workshop to fill in their findings and link to their final prototype.

Find out more at: www.marvelapp.com/workshops

SOURCE: Filippo Chiumiento.

Color Theory

Colors influence how a design is perceived, so understanding the psychology of color and how colors work together is essential. Learn about **primary**, **secondary** and **tertiary** colors, **digital** and **conventional** color differences, and how to use color to create mood and emphasis.

Color

Color Wheel

A color wheel is a circular diagram of colors arranged chromatically that illustrates the relationships between primary, secondary, and tertiary colors.

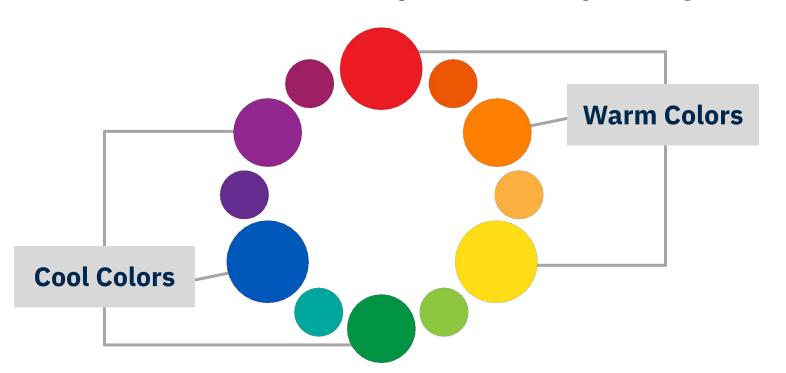


A helpful tool for *understanding* color harmony and balancing colors being used in fields like painting, fashion, interior design, and graphic design.

Avoid using color as the sole means of conveying information or indicating an action. People who are color blind or who have low vision may not be able to understand the significance.

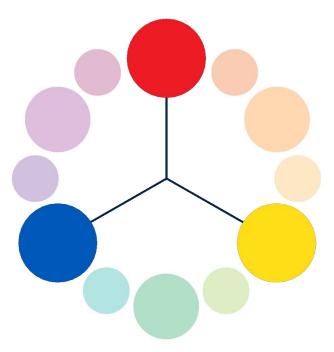
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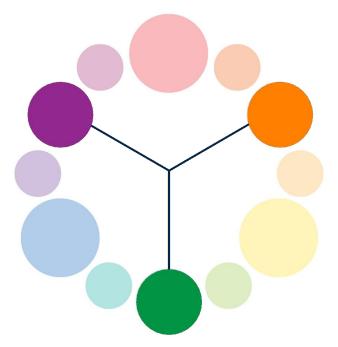
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primary

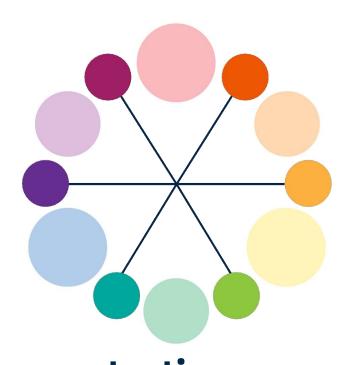
cannot be created by mixing other colors

Include: red, blue, and yellow



secondary primary + primary

red + yellow = **orange** yellow + blue = **green** blue + red = **violet (purple)**



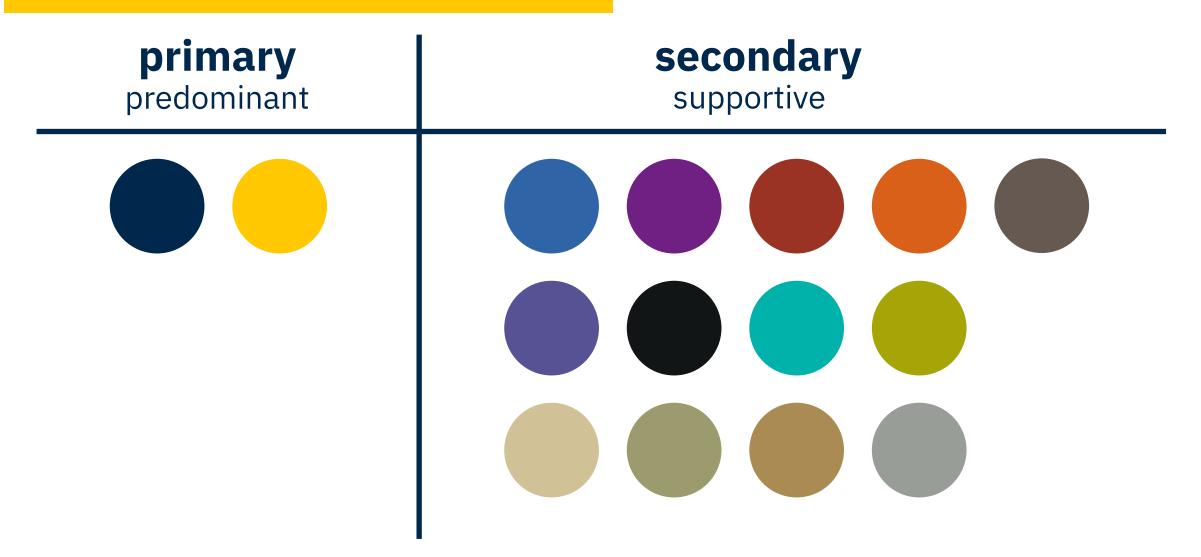
tertiary primary + secondary

Ex: red + orange = red-orange

Include: red-orange, orange-yellow, yellow-green, green-blue, blue-violet,

violet-red

UM Color Palette



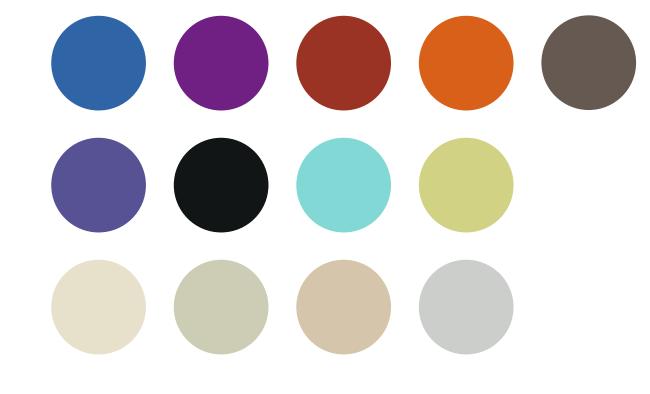
Color Palette

primary predominant

secondary supportive

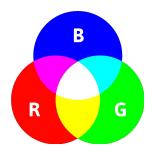






Certain colors do not pass accessibility standards and should not be used as text on white backgrounds and vice versa.

Digital + Print



RGB

RGB stands for **Red**, **Green** and **Blue**. In graphic design, these three colors are **used in a digital format** to display images on televisions, computers, phones and cameras.



CMYK

CMYK stands for **Cyan**, **Magenta**, **Yellow**, and **Key** (Black) and is **used in color printing**. In the CMYK model, colors are formed by combining Cyan, Magenta, Yellow, and Black in various amounts.

#FFCC33 Hexidecimal

Hex colors, also known as hexadecimal colors, are a six-digit, **three-byte hexadecimal number used in HTML**, **CSS**, and design software to represent colors.



PMS/Pantone

Pantone Matching System colors are a standardized color reproduction system used in the printing industry. Developed in the mid-20th century, PMS colors allow for nearly exact color matching when specific color matching is crucial.

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Layout and Composition

Layout and Composition refer to the arrangement of the visual elements in a design, including images, text, shapes, and colors.

These elements directly affect how a design is perceived by viewers.

Layout

Layout is the arrangement of visual elements on a page.

Layout involves decisions about alignment, grouping, placement, spacing, and more.

Common types of layouts:

Grid layouts, Z layouts, F layouts



How different elements of a design interact with each other.

A good composition considers balance (either symmetrical or asymmetrical), contrast, repetition, alignment, and proximity.

Layout & Composition 36



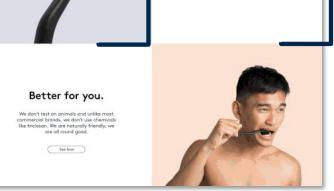
New section introduced by color

New section introduced by color and shape

Better quality.

Our products are meticulously crafted to the

highest quality, yet happen to be affordable too. Let us look after your teeth, and you can look after your pennies. (Find out why)



SOURCE: Made by Alphabet









New section introduced by text

New section introduced by color

SOURCE: San Diego Design Week

New section introduced by color and text

New section introduced by color and shape

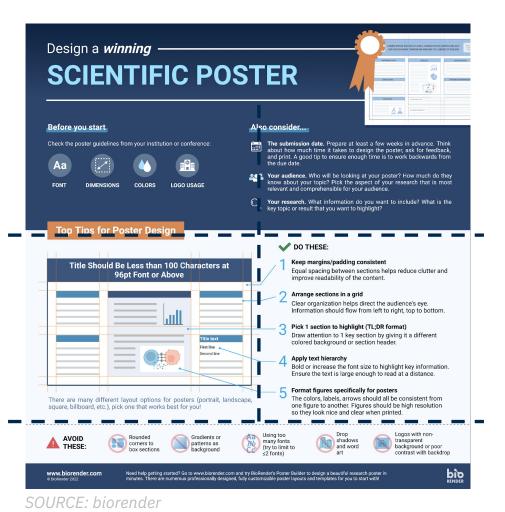


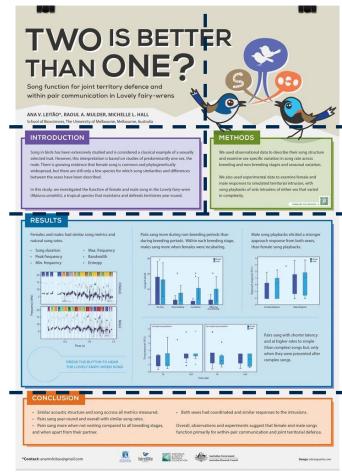
Cab a' Caskel | Policia-



Layout and composition ensure:

- 1. Aesthetically pleasing design
- 2. Effective communication of the intended message





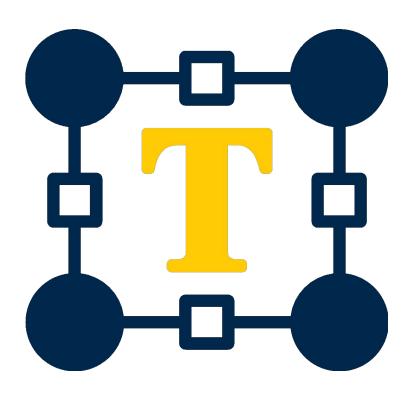
Working in a grid and keeping your sections as evenly spaced as possible, is a good practice when presenting lots of information.

<u>Tips for designing a research</u> <u>poster</u>

SOURCE: Osvaldo Branquinho

Layout & Composition continued 40

Typography in graphic design is the art of arranging type to make the text legible, readable, and visually appealing to the reader.



The core components of typography

Typefaces

Leading

Fonts

- Kerning
- Line Lengths
- Tracking

Typography can be used to convey a certain mood, evoke an emotion, or express a brand personality.

Typography 4



Serif fonts **include small lines** or decorative strokes that are attached to the ends of larger strokes in each letter.



Sans Serif fonts are **without** the small lines at the end of strokes.



They are easier to read in **printed** works, such as books, newspapers, and formal documents.

Font examples: Times New Roman, Georgia, and Garamond

Sans serif 'without'

Often used in **digital media** because they typically display clearer at lower screen resolutions. Provides a cleaner, simpler and more modern look.

Font examples: Helvetica, Arial, and Futura

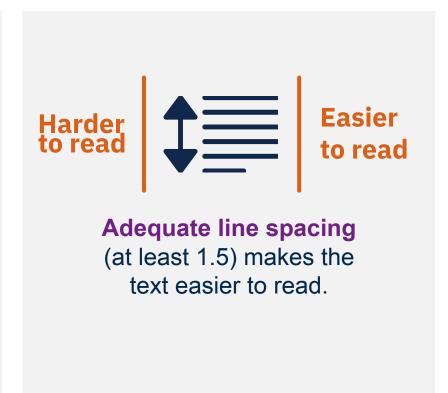
Italics All-Caps

Text in italics or all-caps can be more challenging to read, so they should be used sparingly.

bold

Bold text can be used create emphasis or hierarchy in text.







In digital mediums, using customizable text allows users to modify text size, font, spacing, and color according to their preference.

Effective typography enhances the readability, accessibility, and usability of graphic design work.

Use fonts that are easy to read. Avoid using stylized typefaces. SPH Brand Standards recommend the fonts Arial, Lucida Grande, Georgia, Times New Roman, Verdana and Tahoma.

Copywriting

Copywriting in graphic design helps to communicate the message of the design more effectively.

Copywriting in graphic design:

- Enhances Visual Communication
- Creates Audience Engagement
- Defines Brand Voice and Personality

- Builds trust
- Helps Improve SEO

Copywriting

Copywriting

Copywriting in graphic design helps to communicate the message of the design more effectively.

Things to remember about copywriting in graphic design:

- Keep sentences concise and to the point
- Avoid including unnecessary jargon or overly complex language
- Use headers and subheads to break up text and provide a roadmap of your content.
- Break up long chunks of info using bullet points

Copywriting 48

Accessibility

Making graphic design accessible means creating content that is accessed and understood by the widest range of users, including those with visual, auditory, cognitive, and physical impairments.

Here are a few ways to increase accessibility in graphic design:

- Use High Contrast
- Choose Fonts Wisely
- Add Alt Texts for Images
- Create a Consistent Layout
- Use Close Captions and Transcripts

- Avoid Reliance on Color
- Make Links Stand Out
- Write Copy in Simple Language
- Test the Design

For more info, visit Web Accessibility Initiative (w3.org) and Web Accessibility in Mind (webaim.org)

Accessibility 49

THE BRAND. THE BRAND. THE BRAND.

Branding is the perception, marketing, and identity of a company.

A **brand's identity** is a collection of design elements used to visually represent of a company.

This is achieved through design elements such as **color schemes**, **typefaces**, and **shapes** and can be seen in the **brand's logos**, **stationary**, **website**, **and more**.

<u>Download The School of Public</u> <u>Health's branding and style guide</u>















Cachaça Clube



SOURCE: FIB (Fábrica de Ideias Brasileiras)

Branding

A few takeaways!

Takeaways 51

Contact

Design assistance or request

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Tatum Thornton

Graphic Designer

totthorn@umich.edu

Tim Sharp

Graphic Designer

timsharp@umich.edu

Contact 52

Got any Questions?

