# INTRODUCTION TO TYPOGRAPHY

GRAP2587 | Design for Digital Media 1

#### INTRO TO TYPOGRAPHY

#### 1. Understanding Typography

The Definition

Seeing Typography

**Typography Practice** 

Font & Typeface

**Formats** 

#### 2. History of Typography

Sounds to Symbols

**Evolution of Writing Systems** 

Gutenberg & Movable Type

Mechanization of Type

Photocomposition

The Digital Age

#### 3. Typography in Use

In Communication Design

In Interactive Design

In Information Design

In Motion Design

#### 4. Learning Typography

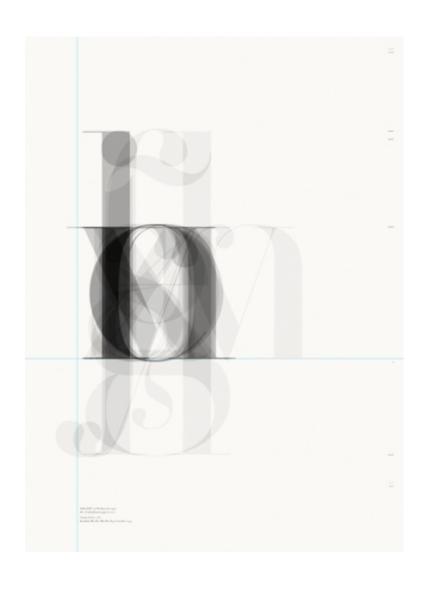
The Importance of Typography

All Principles Applied

How to Learn & Train Typography

Resources

#### THE DEFINITION



(Greek)

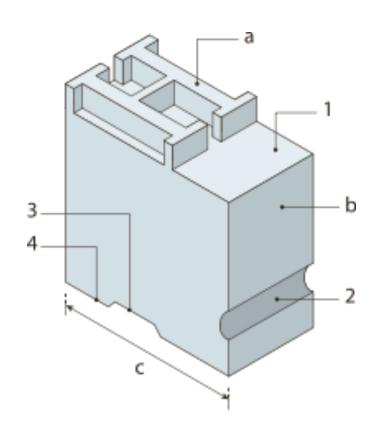
/ typos /: form

/ graphein /: to write

Typography is, simply put, the art & technique of choosing, setting & arranging type.

Good typography serves a purpose.

## THE DEFINITION



Skills Week 07 Skillset London Games Festival Fringe Pixel Lab 22 10 07 26 10 07 Monday Games Publishing Day Monday Modding Workshop Tuesday Game Design Day Wednesday Breaking In. Thursday Game Production Day Friday Art & Animation Day 01zero-one Central St. Martins Truman Brewery Escape Studios /ww.skillset.com/games fringe skillset Pixel-Lab

Type exists.

Type is everywhere.

Type is a fundamental part of human life & society.









Individual letters, when arranged in a particular way, represent the sound of spoken language & visually express ideas in such a way that another person can understand them in the manner intended.







#### TYPOGRAPHY PRACTICE

Then what exactly what typography is?

Typography engages with people on different levels:

#### There are:

- The holistic view (macro-typography): type choice, visual impact, type choice, layout, compositions, hierarchy, whitespace, grid system (number of columns & rows), etc.
- The detailed view (micro-typography): type choice, sizes, spacing between lines, spacing between words, spacing between letters, etc.



The facts relating to this apparition agreed in most respects as to the shape of the object or creature in question, the untiring rapidity of its movements, its surprising power of locomotion, and the peculiar life

IN JUSTIFIED TEXT, THE WORD SPACE IS SMALL IN SOME LINES AND BIG IN OTHERS.

**WORD SPACE & LINE SPACE** 

When setting type, the typographer can change the word space independently from the rest of the font's built-in spacing. Unlike tracking, which should be adjusted cautiously in small increments, word space can absorb bigger changes since it's a relatively large space within the paragraph. Of course, the typographer still needs to be careful with the word space, but it's generally less delicate than letter space.

In a column of text, the typographer usually makes any word space adjustments to the whole thing at once. For example, a wide column may have a larger word space to give the words some breathing room. A narrow column may have a smaller word space to make the lines more compact. In a column of justified text, the word space can also be adjusted line by line. You've probably noticed this variation in word space in the narrow justified columns of a newspaper. Suddenly, there's a line with big gaps in it. In unjustified text, the word space stays consistent throughout the column. This will be more fully explained in the section on hyphenation and justification.

THE IMPORTANT THING IS HOW THE SIZE OF THE WORD SPACE RELATES TO THE SIZE OF THE LINE SPACE,

Stencil 90pt



Comic Sans 90pt



Rosewood 96pt

Helvetica Neue 14pt / 18pt

Bacon ipsum dolor sit amet ball tip pork loin cow brisket drumstick bresaola short ribs beef jowl kielbasa pig spare ribs porchetta. Sausage pancetta t-bone chicken, swine filet mignon kevin. Boudin pork belly bacon, chuck pork loin venison ball tip prosciutto chicken leberkas jowl turducken salami swine ham. Hamburger sausage salami biltong bacon filet mignon ham hock. Tongue pork loin swine spare ribs strip steak pork chop shank biltong. Pig doner turducken filet mignon, fatback venison pork loin andouille tenderloin chicken.

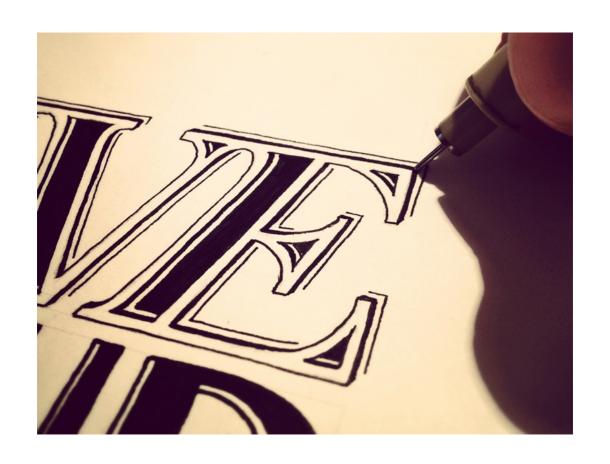
Swine spare ribs frankfurter biltong. Rump brisket pork chop leberkas prosciutto hamburger shank sirloin, drumstick pastrami frankfurter jerky. Venison ball tip turducken t-bone sirloin andouille. Ham spare ribs bacon salami filet mignon pork capicola cow rump. Source Sans Pro 14pt / 18pt

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#### **TYPEFACE / FONT / FAMILY**

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72 pt

IN VOLUPTATE VELIT ES Consectetur adipisicing e

48 pt

OFFICIA DESERUNT MOLLIT ANIM ID Fugiat nulla pariatur. Excepteur sint oc

<u>Font:</u> a set of letters, numbers, symbols, etc. of the same design. Examples: Helvetica Neue Light is a Font

<u>Typeface:</u> a set of fonts that share common design features. Examples: Helvetica Neue is a Typeface.

Font family: often used interchangeably with Typeface.

The physical embodiment of a collection of letters, numbers, symbols, etc. (whether it's a case of metal pieces or a computer file) is a font. When referring to the design of the collection (the way it looks) you call it a typeface.

#### **Helvetica Neue Std**

Helvetica Neue L T Std 85 Heavy

#### Helvetica Neue Std

Helvetica Neue L T Std 86 Heavy Italic

#### Helvetica Neue Std

Helvetica Neue L T Std 45 Light

#### Helvetica Neue Std

Helvetica Neue L T Std 46 Light Italic

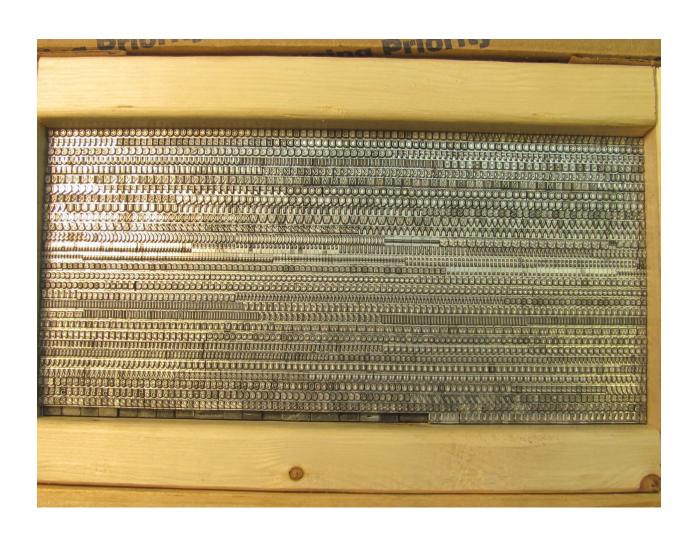
#### Helvetica Neue Std

Helvetica Neue L T Std 66 Medium Italic

#### **Helvetica Neue Std**

Helvetica Neue L T Std 65 Medium

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а	b	С	d	е	f	g	h	i	j	k	I	m	n
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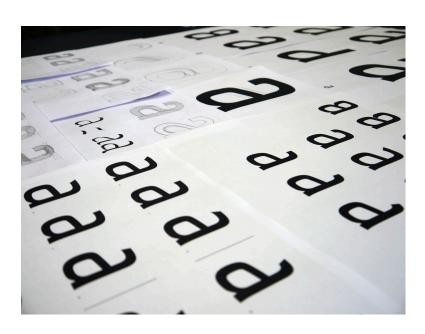


The way I relate the difference between typeface and font to my students is by comparing them to songs and MP3s, respectively (or songs and CDs, if you prefer a physical metaphor). – Nick Sherman

You talk about how much you like a tune, you don't say: "That's a great MP3". You say: "That's a great song". The MP3 is the delivery mechanism, not the creative work; just as in type a font is the delivery mechanism and a typeface is the creative work — Stephen Coles



#### **TYPE DESIGN & DESIGNER**



<u>Type design:</u> the art & craft of designing typefaces.

<u>Type designer:</u> designer of typefaces. Don't call them "font designers" (or even "font family designers". Ugh!).



#### **FORMATS**



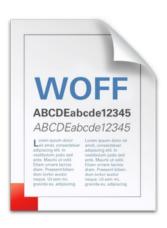


font.ttf

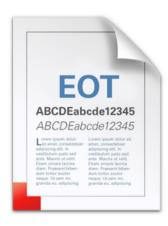
font.otf

#### Desktop font formats

#### Web font formats



font.woff



font.eot

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#### HISTORY OF TYPOGRAPHY



## **SOUNDS TO SYMBOLS**



## EVOLUTION OF WRITING SYSTEMS

Sumerians' Cuneiform – one of the earliest known systems of writing, c. 31st century BC to 1st century AD

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**Evolution of Alphabets** 

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m	owl	B	3		7		м	м	2
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8	chairback	-	4	**	丰		Ξ	x	ם

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ь	crane	TO THE		\$	3		В	В	د
k (g)	throne	₩	-	Z	7	1	г	С	2
! (d)	hand	0	D	9	4	Δ	Δ	D	٦
h	mæander		M	III	7		E	E	п
f	cerastes	×_	لا		4	4	Y	F	٦
z	duck	Z	2		工		I	z	1
$\chi$ (kh)	sieve	0	6	0	Ħ	4	н	Н	п
$\theta$ (th)	tongs	===	1		0	- 69	Θ		20
i	parallels	"	4		7		1	1	,
k	bowl	<u></u>	9	9	7		к	K	٥
1	lioness	200	2	1	6	1	٨	L	5
m	owl	B	3		7		м	м	2
n	water	~~~	0003		1		N	N	2
8	chairback	-	4	**	丰		Ξ	x	ם

One of the most important contributions to early writing by the Romans: Trajan Columns

113 A.D.





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Uncial, France, 7th century.

#### **Gothic Scripts**

The beatization of the after most of the pater of the pat

17<sup>th</sup> century: the alphabet has 26 characters.

Trajan Rustic Greek Uncial Uncial Half-Uncial Visgothic Luxeuil Beneventan Caroline Insular Protogothic Textura quadrata Fraktur Humanist

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z A B C D F F G K I J K I M N O P Q R S I U V W X Y Z **ΑΒΓΔΕΖΗΘΙΚΑΜΝ ΣΟΠΡ**CΤΥΦΧΨω abcberchijklanopgrszuvwyż abcdefshijklmnopqrsouvwxyz abedefghiklmnopgrrauxyz ubederghijklmnopgretuvwxyz abedefghijklmnopqrszuvwxy3 xb cdefg hijklmnopqrstuvwxyz abcoefthijklmnopqRsvuvwxyz abedefghijklmnopqrstuvwxýz abcdefghijklmnopqrstuvw fy z abedefghijklm nopgrøt uv wryz abcdefghijklmnopqrstuvwxyz a b c d e f g h i j k l m n o p q r s t u v w x y z

### GUTENBERG & MOVABLE TYPE

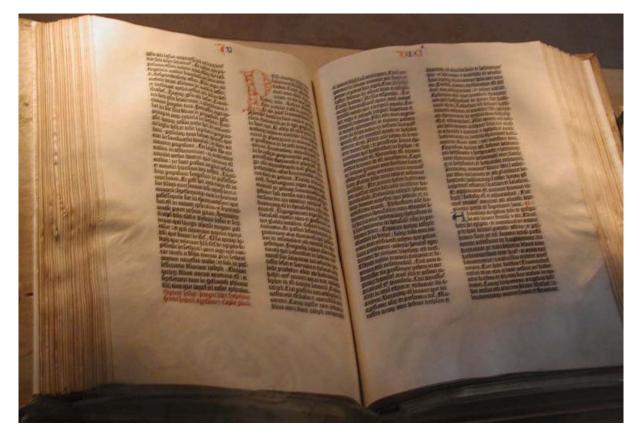
Before printing:
Scribes with breathtaking letterings.



# GUTENBERG & MOVABLE TYPE



Johannes Gutenberg & the first printed bible 1450 Germany



# GUTENBERG & MOVABLE TYPE

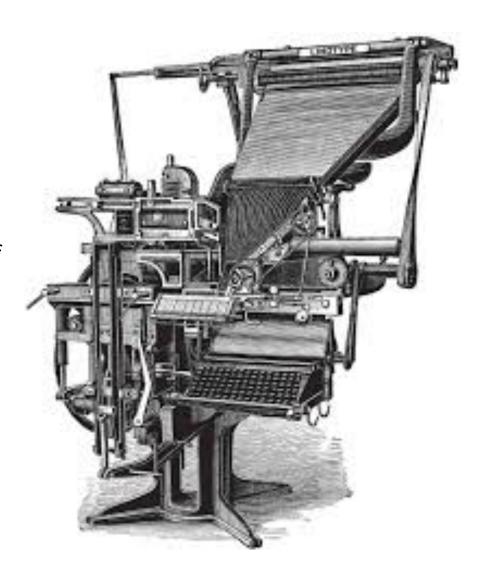


### MECHANIZATION OF TYPE

Typesetting machines: the result of Industrial Revolution in 19<sup>th</sup> & early 20<sup>th</sup> Century.

Linotype machine invented by Ottman Mergenthaler.

1880s



### **PHOTOTYPESETTING**

Applying photographic process to render type using "phototypesetters"

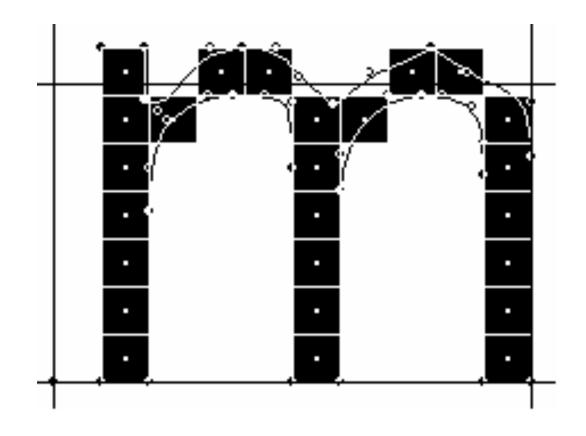
1960s – 1980s



### THE DIGITAL AGE

Desktop publishing put typography into the digital world

1983 – 1984



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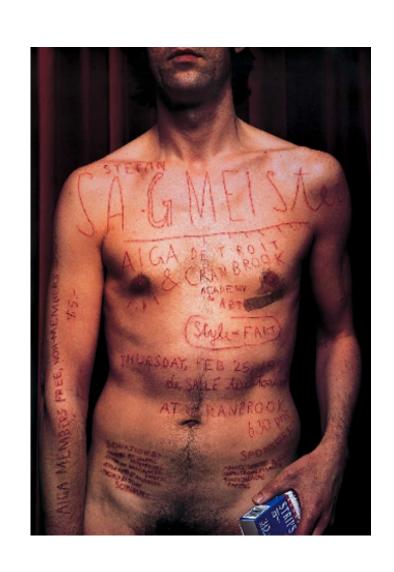
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# TYPOGRAPHY IN COMMUNICATION DESIGN



# TYPOGRAPHY IN COMMUNICATION DESIGN

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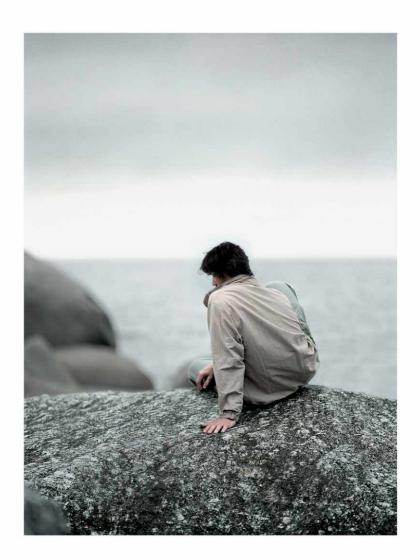


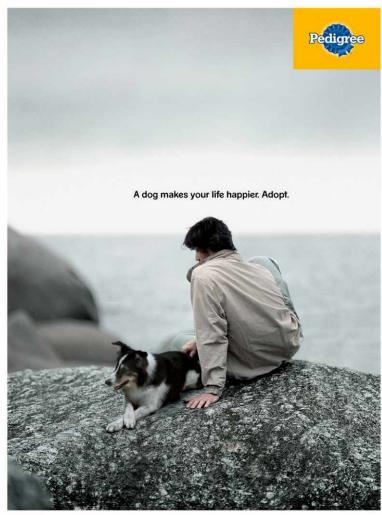
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# TYPOGRAPHY IN COMMUNICATION DESIGN





### TYPOGRAPHY IN INTERACTIVE DESIGN



ABOUT ACCOLADES CAREERS CONTACT RESERVE

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PREV

NEXT

UNLISTED COLLECTION ESTABLISHMENTS SHOULDER

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Bastauranta Majestic Restaurant Jing Restaurant Ember DOM: NO.

Hotels Town Hall Hotel & Apartments 176 Blahopogate

Restaurants Viojante Corner Room SHANNE

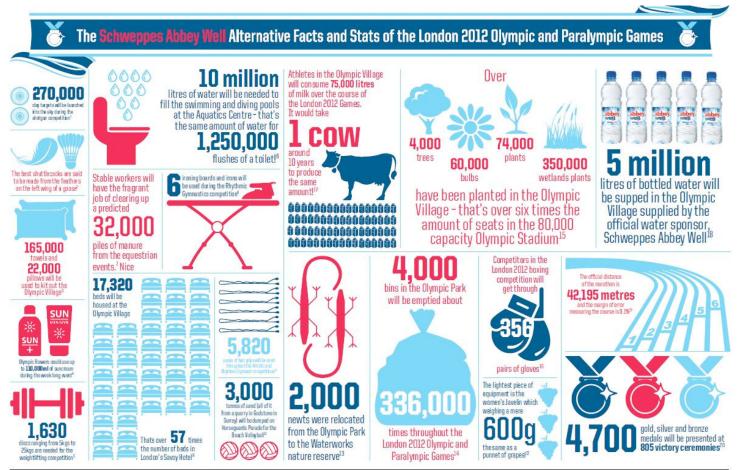
Histels The Waterhouse at South Bund

Restaurants Table No. 1

### TYPOGRAPHY IN INTERACTIVE DESIGN



# TYPOGRAPHY IN INFORMATION DESIGN







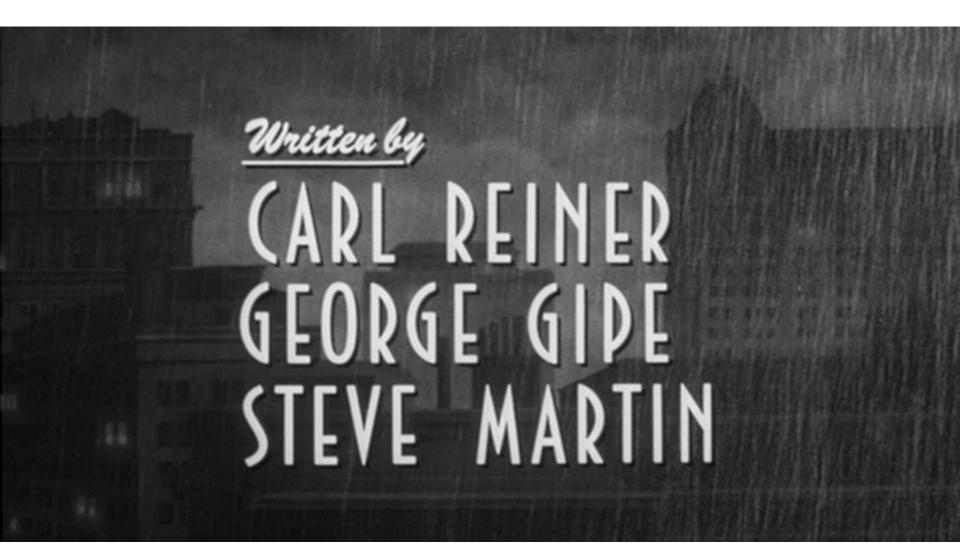


### TYPOGRAPHY IN INFORMATION DESIGN





# TYPOGRAPHY IN MOTION DESIGN



# TYPOGRAPHY IN MOTION DESIGN



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Typography conveys emotions.

#### IMPACT ON PRIVATE EQUITY

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#### Impract on Private Equity

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Typography keeps people reading

#### IMPACT ON PRIVATE EQUITY

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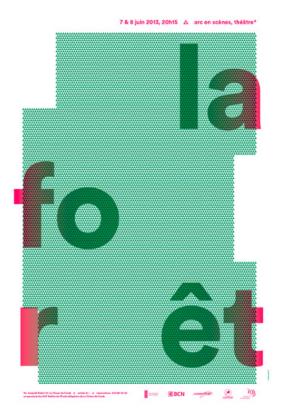
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Typography is an essential part of design





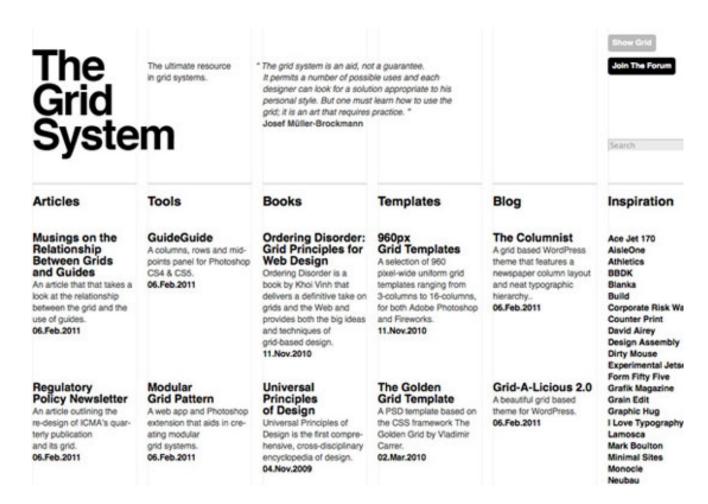




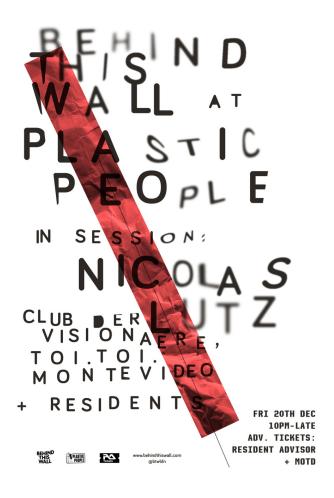
# APPLYING DESIGN PRINCIPLES



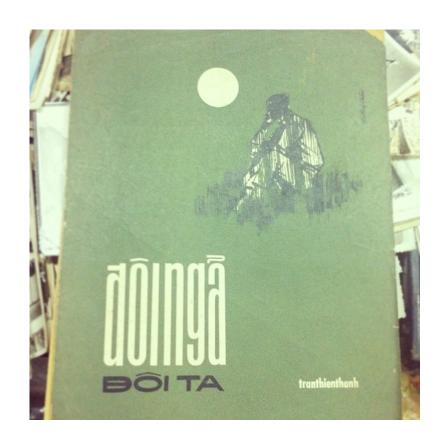
# APPLYING DESIGN PRINCIPLES



# APPLYING DESIGN PRINCIPLES



- Learn the principles
- Practice a lot
- Train your eyes
- Start noticing type
- Make friends with type
- Explore & experiment





Start noticing type













Helvetica Neue 14pt / 18pt

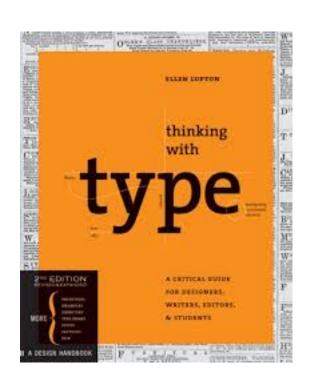
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Explore & experiment





Books on Type
Design & Typography Inspiration books
Any kind of book, actually. Even fictions.



**Resources & Inspirations** 

http://ilovetypography.com

http://typedia.com/

http://welovetypography.com/

http://incredibletypes.com/

http://fontsinuse.com/

http://typeverything.com/

Free Fonts

http://www.fontsquirrel.com

http://www.fontfabric.com

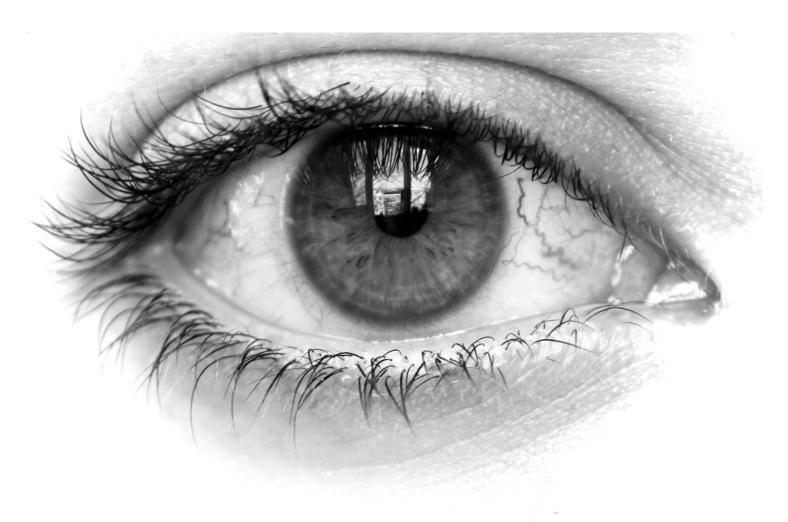
http://www.theleagueofmoveabletype.com/

http://www.losttype.com/

http://www.exljbris.com/



Any piece of type around you!



And again, last but not least.