Syntax Anatomy of Letterform



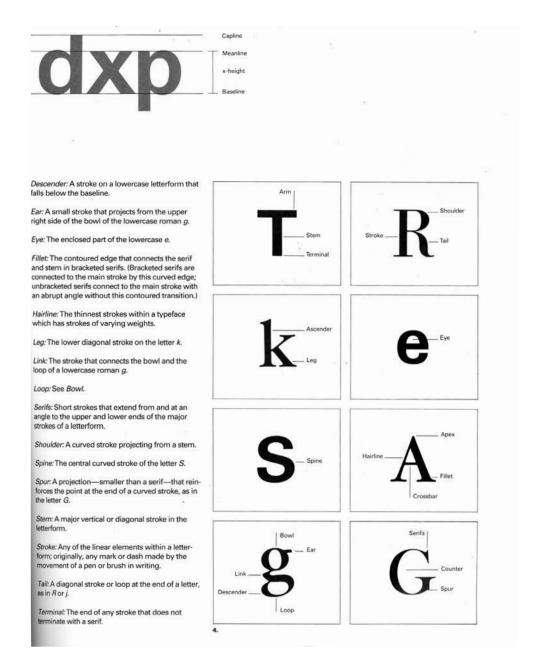
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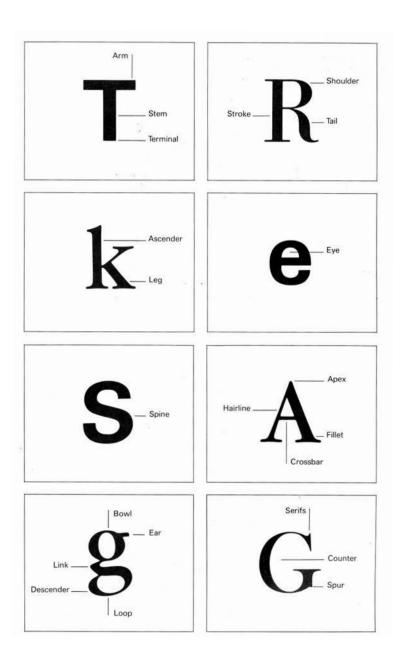


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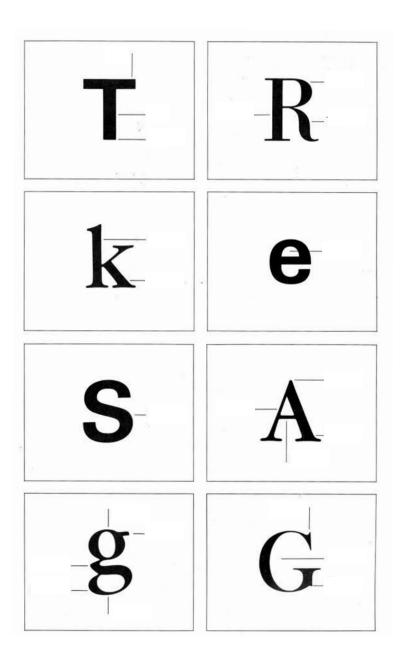
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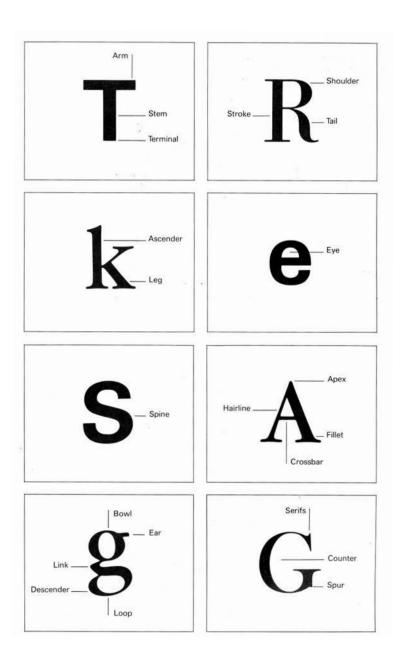
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Syntax Classification

Typography Demonstrations Fall 2011



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Modern

Late in the 1700s, typefaces termed Modern evolved from Transitional styles. These typefaces have extreme contrasts between thick and thin strokes. Thin strokes are reduced to hairlines. The weight stress of rounded characters is vertical. Serifs are horizontal hairlines that join the stems at a right angle without bracketing. The uppercase width is regularized; wide letters such as M and W are condensed and other letters, including P and T, are expanded. Modern style typefaces have a strong geometric quality projected by rigorous horizontal, vertical, and circular forms.

Egyptian

In 1815, the English typefounder Vincent Figgins introduced slab-serif typestyles under the name Antique. At the time, there was a mania for ancient Egyptian artifacts, and other typefounders adopted the name Egyptian for their slab-serif designs. These typestyles have heavy square or rectangular serifs that are usually unbracketed. The stress of curved strokes is often minimal. In some slab-serif typefaces, all strokes are the same weight.

Sans Serif

The first sans serif typestyle appeared in an 1816 specimen book of the English typefounder William Caslon IV. The most obvious characteristic of these styles is, as the name implies, the absence of serifs. In many sans serif typefaces, strokes are uniform, with little or no contrast between thick and thin strokes. Stress is almost always vertical. Many sans serif typefaces are geometric in their construction; others combine both organic and geometric qualities.



Syntax Classification

TYPE FAMILY: ADOBE GARAMOND

Adobe Garamond was designed by Robert Slimbach in 1988.

The idea of organizing typefaces into matched *families* dates back to the sixteenth century, when printers began coordinating roman and italic faces. The concept was formalized at the turn of the twentieth century.

The roman font is the core or spine from which a family of typefaces derives.

The roman form, also called "plain" or "regular," is the standard, upright version of a typeface. It is typically conceived as the parent of a larger family.

Italic fonts, which are based on cursive writing, have forms distinct from roman.

roman: if is a separate typeface. Note that the letter a has a different shape in the roman and italic variants of Adobe Garamond.

SMALL CAPS HAVE A HEIGHT THAT IS SIMILAR TO the lowercase X-HEIGHT. Adobe Garamond expert (small caps)
Small caps (capitals) are designed to integrate with a line of text, where full-size capitals would stand out aukwardly. Small capitals are slightly taller than the scheight of lowercase letter.

Bold (and semibold) typefaces are used for emphasis within a hierarchy.

Bold versions of traditional text fonts were added in the twentieth century to meet the need for emphatic forms. Sans-serif families often include a broad range of weights (thin, bold, black, etc.).

Bold (and semibold) typefaces each need to include an italic version, too.

ADOBE GARAMOND BOLD AND SEMIBOLD ITALIC

ADOBE GARAMOND BOLD AND SEMIBOLD

in contrast to the roman, without making the overall form too heavy. The counters need to stay clear and open at small sizes. A full type family has two sets of numerals: *lining* (123) and *non-lining* (123).

ADOBE GARAMOND REGULAR AND EXPERT NUMERALS

Lining numerals occupy uniform units of horizontal space, so that the numbers line up when used in tabulated columns. Non-lining numerals, also called "text" or "old style" numerals, have a small body size plus ascenders and desenders, so that they mix well on a line with lowercase letters.

The typeface designer tries to make the bold versions feel similar

A type family CAN BE faked by slanting, or inflating, or shrinking letters.

ITALIC BOLD SMALL CAPS

 TYPE CRIME:
 TYPE CRIME:

 PSEUDO ITALICS
 PSEUDO BOLD

 The wide, ungainly
 Padded around the forms of these skewed

 edges, these letters
 letters look forced

 letters look forced
 feel blunt and dull.

 and unnatural.

TYPE CRIME: PSEUDO SMALL CAPS These shrunken versions of full-size caps are puny

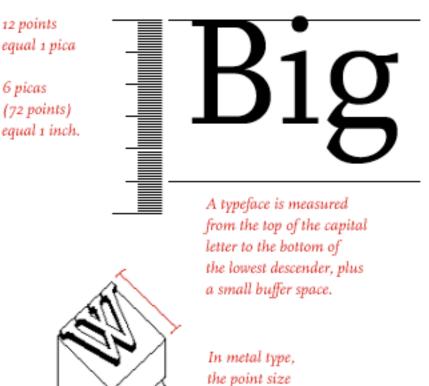
This page from *Thinking with Type* is provided as a PDF to facilitate classroom discussions. The PDF can be viewed on screen and blown up as needed.

http://www.papress.com/other/thinkingwithtype/text/kerning.htm

JACQUES DERRIDA's theory of *deconstruction* asks how representation inhabits reality. How does the external image of things get inside their internal essence? How does the surface get under the skin? WESTERN CULTURE since PLATO has been governed by such oppositions as *inside/outside* and *mind/ body*. If writing is but a copy of spoken language, typography is even further removed from the primal source of meaning in the mind of the author. Typography includes not only the letters of the alphabet but also numerals (I, 2, 3, 7, 8, 9 or 1, 2, 3, 7, 8, 9).

Text adapted from Ellen Lupton and J. Abohtt Miller, "Deconstruction and Graphic Design," Design Writing Research: Writing on Graphic Design (London: Phaidon Boooks). Written in Scala, 1996.

http://www.papress.com/other/thinkingwithtype/letter/anatomy.htm

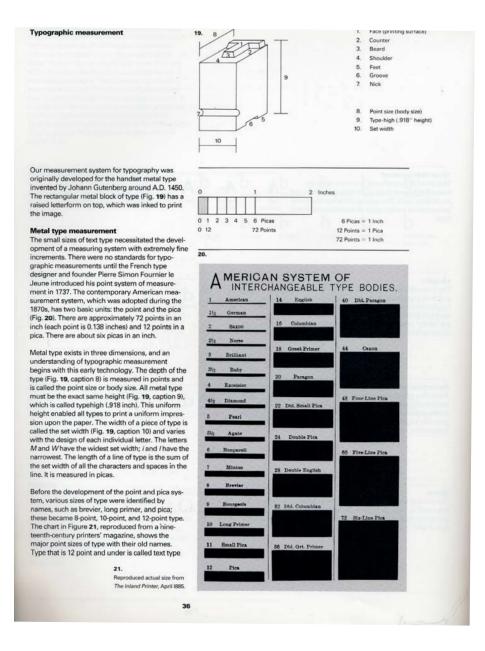


is the height of the type slug.

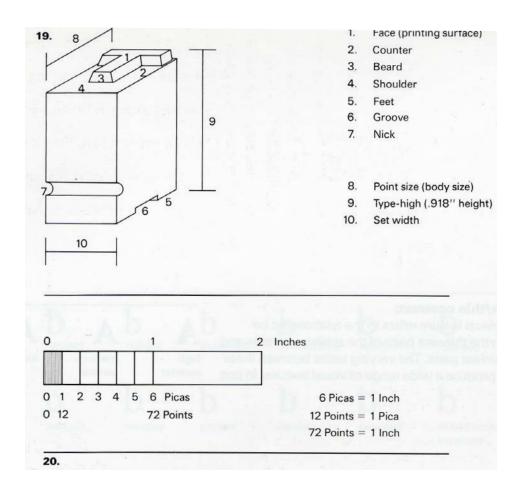
Make it bigger. Paula Scher

Amateur typographers tend to make their type too big. In contrast, experienced typographers tend to make it too small. Clients will often ask you to "Make it bigger."

Syntax Classification



Syntax Classification



Typographic Variations

mon to letters throughout the typeface kingdom. It may be used for comparative purposes to pinpoint the most dominant traits of specific typefaces. Type designers use these variations to create a family of typefaces. The type family is discussed on pages 37-39.

Serifs:

Serifs provide some of the most identifiable features of typefaces, and in some cases they reveal clues about their historical evolution. The serifs shown are those that appear most frequently in typefaces.

Weight:

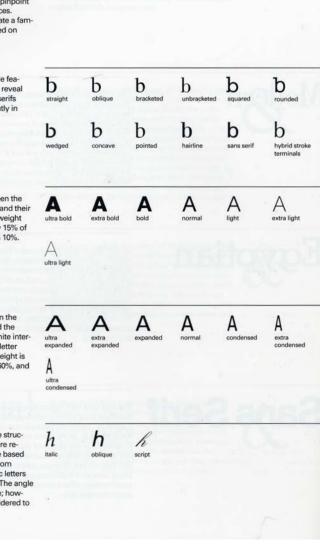
This is a feature defined by the ratio between the relative width of the strokes of letterforms and their height. On the average, a letter of normal weight possesses a stroke width of approximately 15% of its height, whereas bold is 20% and light is 10%.

Width:

Width is an expression of the ratio between the black vertical strokes of the letterforms and the intervals of white between them. When white intervals appear larger, letters appear wider. A letter whose width is approximately 80% of its height is considered normal. A condensed letter is 60%, and an expanded letter is 100% of its height.

Posture:

Roman letters that slant to the right but are structurally the same as upright roman letters are referred to as oblique. Italic letters, which are based on handwriting, are structurally different from roman letters of the same type family. Italic letters with connecting strokes are called scripts. The angle of posture varies from typeface to typeface; however, a slant of approximately 12% is considered to be normal.



A type family CAN BE faked by slanting, inflating, or SHRINKING letters.

 ITALIC	 BOLD	SMALL CAPS	TYPE CRIME: PSEUDO ITALICS These skewed letters are wide,	TYPE CRIME: PSEUDO BOLD Padded letters look blunt	TYPE CRIME: PSEUDO SMALL CAPS Shrunken caps appear puny
			ungainly, and unnatural.	and dull.	and starved.

Adobe Garamond type family, designed by Robert Slimbach, 1988

The roman font is the core or spine from which a family of typefaces derives. *Adobe Garamond Regular*

Italic fonts, which are based on cursive writing, have forms distinct from roman. Adobe Garamond Italic

SMALL CAPS HAVE A HEIGHT THAT IS SIMILAR TO *the lowercase* X-HEIGHT. Adobe Garamond Expert (Small Caps)

Bold (and semibold) **typefaces are used for emphasis within a hierarchy.** *Adobe Garamond Bold and Semibold*

Bold (and semibold) typefaces each need to include an italic version, too. Adobe Garamond Bold and Semibold Italic

A full family has two sets of numerals: *lining* (123) and *non-lining* (123). Adobe Garamond Regular and Expert numerals

http://www.papress.com/other/thinkingwithtype/letter/anatomy.htm

Typographic Variations

Typography Demonstrations Fall 2011

Thick/thin contrast: This visual feature refers to the relationship be- tween the thinnest parts of the strokes in letters and the thickest parts. The varying ratios between these parts produce a wide range of visual textures in text type.	A high contrast	A medium contrast	A low contrast	A no contrast		
		34				
x-height: This proportional characteristic can vary immensly in different typefaces of the same size. Typically, x- heights are considered to be "tall" when they are at least two-thirds the height of capital letters. They are "short" when they measure one-half the height of capital letters.	d extra tall	d	d medium	d short	d extra short	
Ascenders/descenders: Ascenders and descenders may appear longer in some typefaces and shorter in others, depending on the relative size of the x-height. Descenders are generally slightly longer than ascenders among letters of the same typeface.	dp extra long	dp	dp	dp	dp extra short	· · · · · · · · · · · · · · · · · · ·
Stress: The stress of letters, which is a prominent visual axis resulting from the relationships between thick and thin strokes, may be left-angled, vertical, or right-angled in appearance.	O left-angled	O	O right-angled		I	



CAP HEIGHT

X-HEIGHT

BASELINE

Draw these letterforms!