

Modular Scale and Harmonies in CSS

3 Concepts

Rhythm Ems Modular Scale

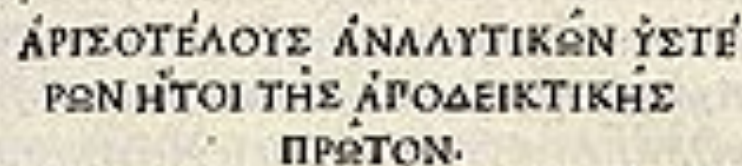
Rhythm

Rhythm

Timed movement through space; an easy, connected path along which the eye follows a regular arrangement of motifs





[illegible]

PARTE
PRIMERA
Y
SEGUNDA.
DEL INGENIOSO HIDALGO
D. Quixote de la Mancha.

COMPUESTA POR MIGUEL DE
Cervantes Saavedra.

AL SEÑOR DON FRANCISCO ZAPATA,
hijo de los señores don Diego Zapata, y doña Maria Si-
donia Riedreer Condes de Barajas, Cauallero del Orden
de Calatrana, Comendador de la Fuente del Empera-
dor, Capellan, y Colegial que fue del Colegio viejo de San
Bartolome en Salamanca, Oidor de la Real Chancille-
ria de Granada, Visitador de las Armadas del mar O-
ceano, del Consejo de su Magestad, antes en el Real
de Indias, y aora en el Real de
Castilla.

CON LICENCIA

EN MADRID: Por Melchor Sanchez. Año 1655.

Acofia de Mascos de la Basida, Mercader de libros.

Typesetting

Results of the study

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My textbooks, you said *The Elements of*
Topographic Maps. The other method.

The composition is an example of *Walt Whitman's* *Leaves of Grass*, part of a collection of poems that changed over the years and made *Leaves* a cult.

When the two signed the "Declaration of Intent to Tap," **Dr. Clark Sherrard** stated in his official background material for the FBI that he had been in the United States since 1954. **Sherrard** and **Sherrard** (1954).

We love handicrafted things. They embody humanity's most cherished values, such as patience, hard work, thoughtfulness, and grace. They remind us that other human beings care about the same things that we do.

Design, in particular, is a practice concerned with our love for simplicity, harmony, and attention to detail. And representing the art of including a text with our design ideas, is the love to handcrafting solutions.


Experimenting the available and reasonable range of design, is responsible for all of the creative, intellectual, technical and logical of printed human thought. In all it is to be available so that ideas can be communicated as directly as possible from one mind to another. It is the *crystal gutter* from which words flow like water. This is not to say that it is not always too close, rather, or quite, rather, for the experimenters were the intended experience.

In practice, typewriting is what most designers have done for years in sketching, writing, and opening type. Skipped periods and a more casual in drawing, marking. We used to recognize typewriting: the line and the wall. Because it is an technique to keep

While we address the typography of a particular web page, in fact each page is an act of representing. Clarifying these terms, and differentiating between a focus from the general site of design and **authorship**, can help to better organize resources, focus our thoughts, and share professionalized research tools like spacing and bleed, using proper punctuation, and arguing for consistent, meaningful markup that are often given too little respect.

In more granular terms, something is the best in collecting a half million years of handwritten, most commonly cursive, typographic specimens. And it is a rare enough to be handwritten things on the web. A solid understanding of and an ability to find balance among letters, words, paragraphs, headings, and text blocks is the rare material for bringing back heavy handwritten is the master of our generation and is our art form.

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Finding the Melodies Hidden in

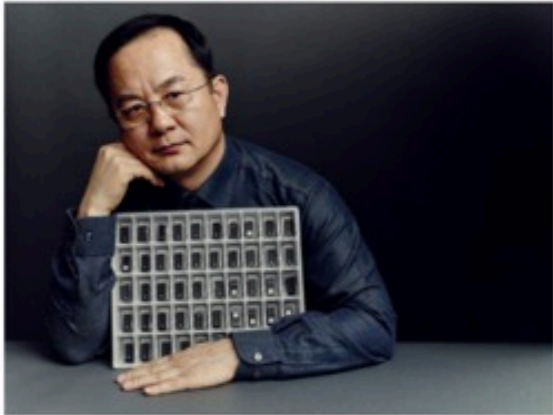



PHOTO GALLERY

RUBBER STAMPS LET YOU CUSTOMIZE TYPOGRAPHY WITH YOUR HANDS

10 HOURS


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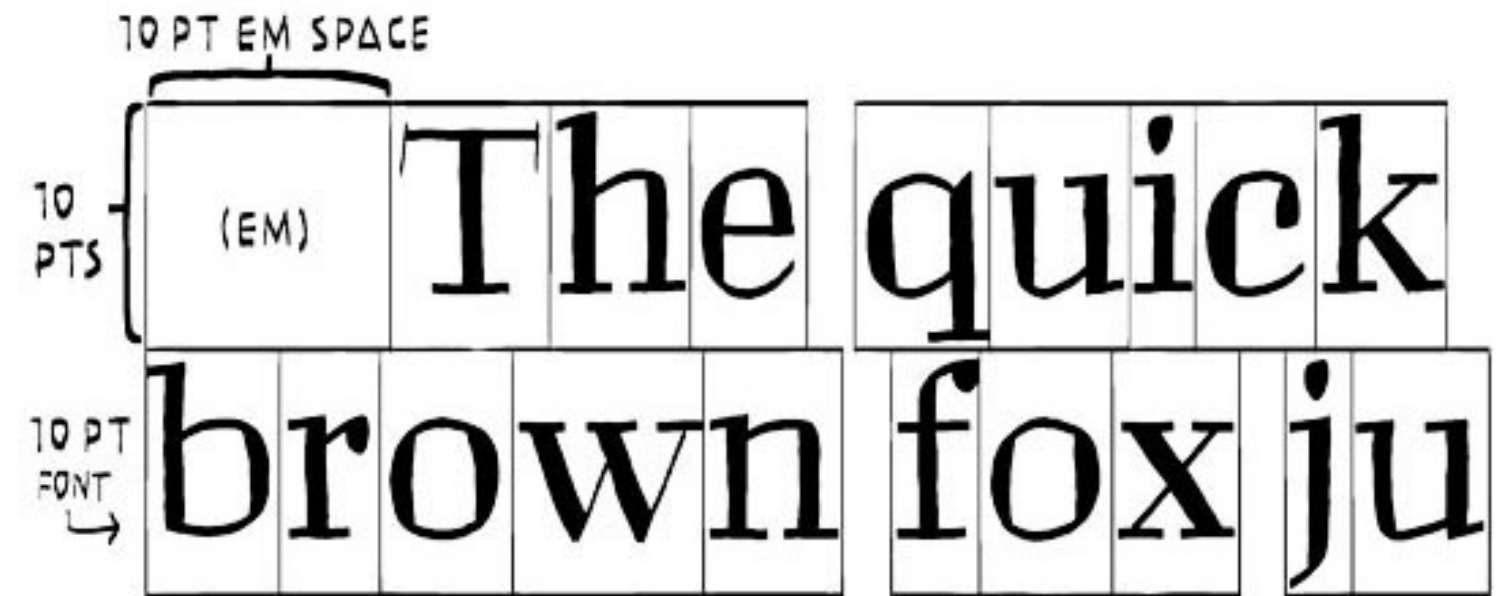


Jars →

Ems

Ems

The typographer's em, a horizontal space, is equal to the type's point size, a vertical measure.



Ems in CSS

```
html {  
    font-size: 16px;  
}  
  
p {  
    font-size: 1em;  
    margin-bottom: 1em;  
}
```

Modular Scale

Modular Scale

A sequence of numbers that relate to one another in a meaningful way.



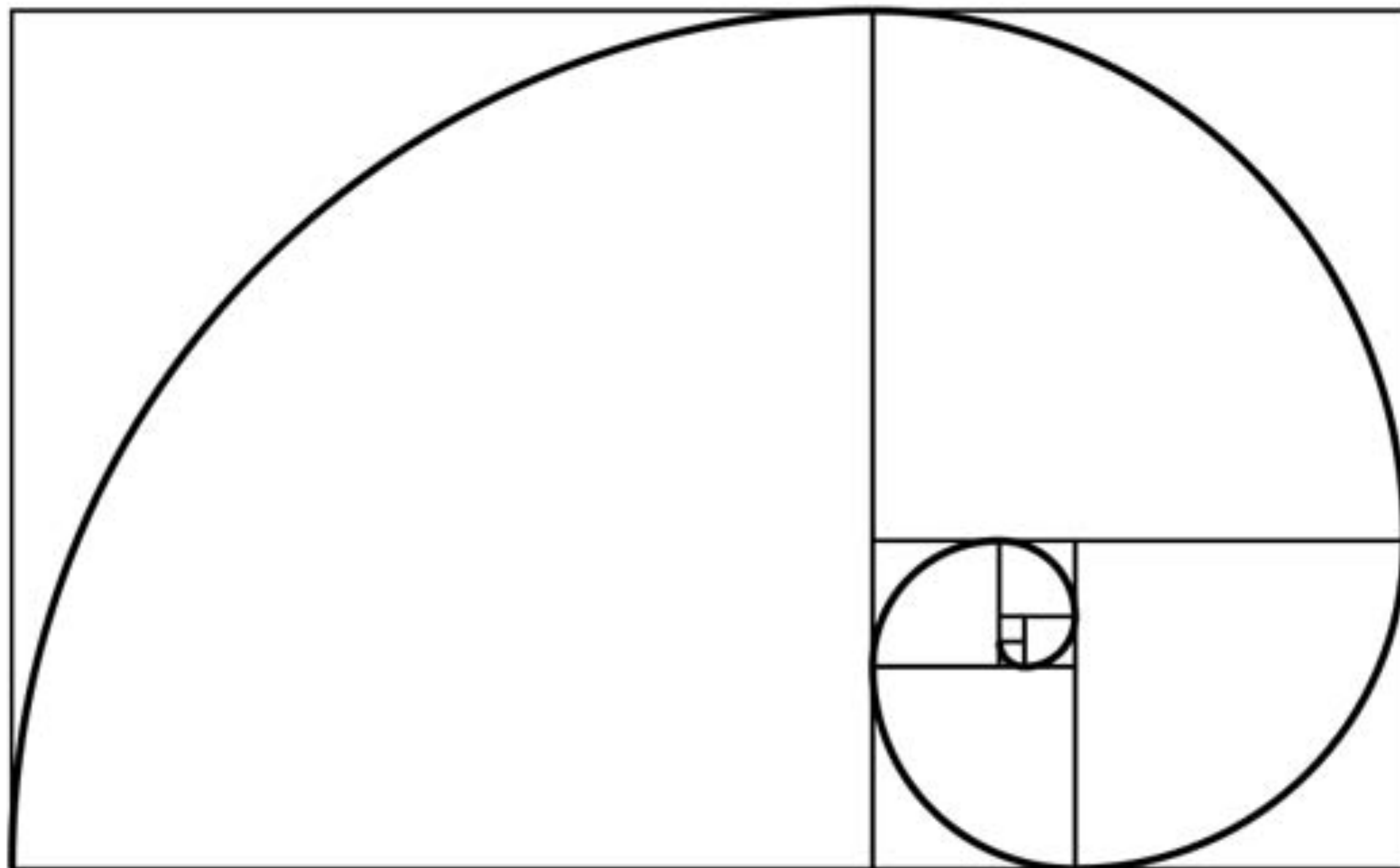
"Scribes and typographers, like architects, have been shaping visual spaces for thousands of years. Certain proportions keep recurring in their work because they please the eye and mind ..."

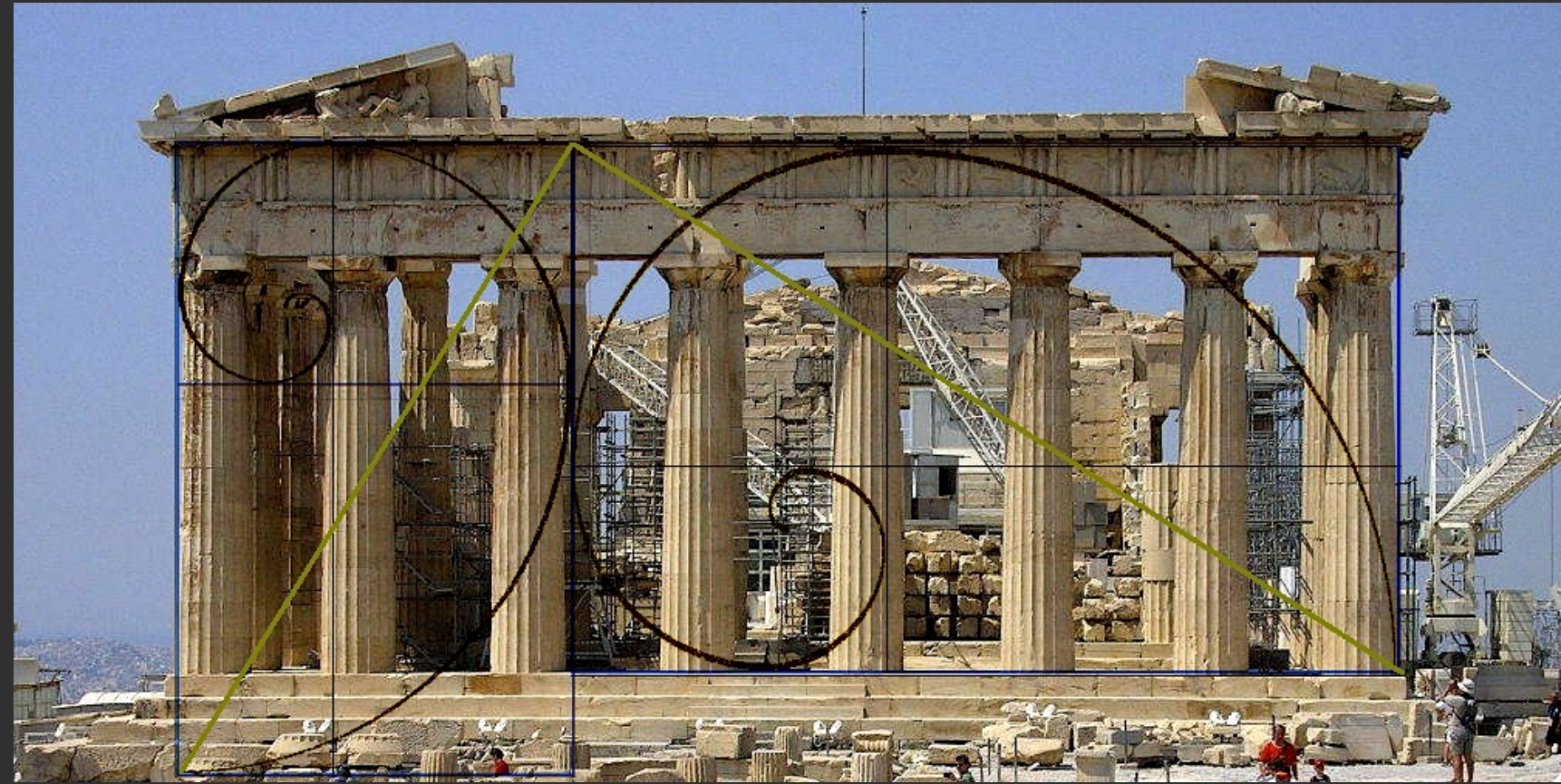
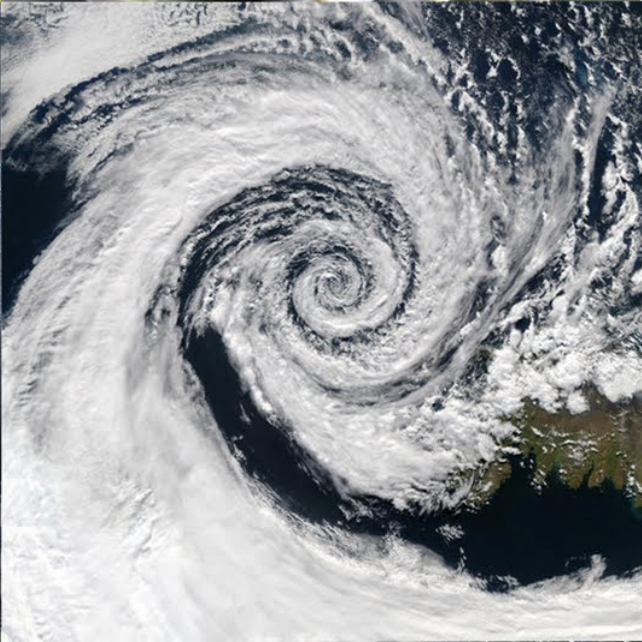
— Robert Bringhurst, *Elements of Typographic Style*

Page/Column Proportions		Sample sizes in inches			
<i>Organic and Mechanical Proportion</i>	A Double Square	1 : 2	4.50 × 9	5.00 × 10	5.50 × 11
	B Tall Octagon	1 : 1.924	4.68 × 9	5.20 × 10	5.72 × 11
	C Tall Hexagon	1 : 1.866	4.82 × 9	5.36 × 10	5.89 × 11
	D Octagon	1 : 1.848	4.87 × 9	5.41 × 10	5.95 × 11
	5 : 9	1 : 1.8		5.00 × 9	
	E Hexagon	1 : 1.732	4.91 × 8.5	5.20 × 9	6.36 × 11
	$\pi : 2e$	1 : 1.731			
	F Tall Pentagon	1 : 1.701	5.00 × 8.5	5.29 × 9	6.47 × 11
	3 : 5	1 : 1.667			
	Legal Sheet	1 : 1.647			8.50 × 14
	G Golden Section	1 : 1.618	5.25 × 8.5	5.56 × 9	6.80 × 11
	5 : 8	1 : 1.6	5.00 × 8		
	2 : π	1 : 1.571			
	H Pentagon	1 : 1.539	5.52 × 8.5	5.85 × 9	7.15 × 11
	2 : 3	1 : 1.5		6.00 × 9	
	I ISO = $1 : \sqrt{2}$	1 : 1.414	6.36 × 9	7.07 × 10	7.75 × 11
	5 : 7	1 : 1.4			
	J Short Pentagon	1 : 1.376	6.54 × 9	7.27 × 10	8.00 × 11
	3 : 4	1 : 1.333	6.75 × 9	7.50 × 10	9.00 × 12
	K Tall Half Octagon	1 : 1.307	6.89 × 9	7.65 × 10	8.42 × 11
	Letter Sheet	1 : 1.294			8.50 × 11
	4 : 5	1 : 1.25		8.00 × 10	
	L Half Octagon	1 : 1.207	7.46 × 9	8.29 × 10	9.11 × 11
	5 : 6	1 : 1.2			
	M Truncated Pentagon	1 : 1.176	7.65 × 9	8.50 × 10	9.36 × 11
	6 : 7	1 : 1.167			
	$e : \pi$	1 : 1.156			
	N Turned Hexagon	1 : 1.155	7.79 × 9	8.67 × 10	9.53 × 11
	O Tall Cross Octagon	1 : 1.082	8.32 × 9	9.24 × 10	10.2 × 11
	P Turned Pentagon	1 : 1.051	8.56 × 9	9.51 × 10	10.5 × 11
	Q Square	1 : 1			
	R Broad Pentagon	1 : 0.951	9 × 8.56	10 × 9.51	11 × 10.5
	S Broad Cross Octagon	1 : 0.924	9 × 8.32	10 × 9.24	11 × 10.2
	T Broad Hexagon	1 : 0.866	9 × 7.79	10 × 8.67	11 × 9.53
	$\pi : e$	1 : 0.865			
	U Full Cross Octagon	1 : 0.829	9 × 7.46	10 × 8.29	11 × 9.11
	Landscape Letter	1 : 0.773	9 × 6.96	10 × 7.73	11 × 8.50
	$\phi : 1$	1 : 0.618			

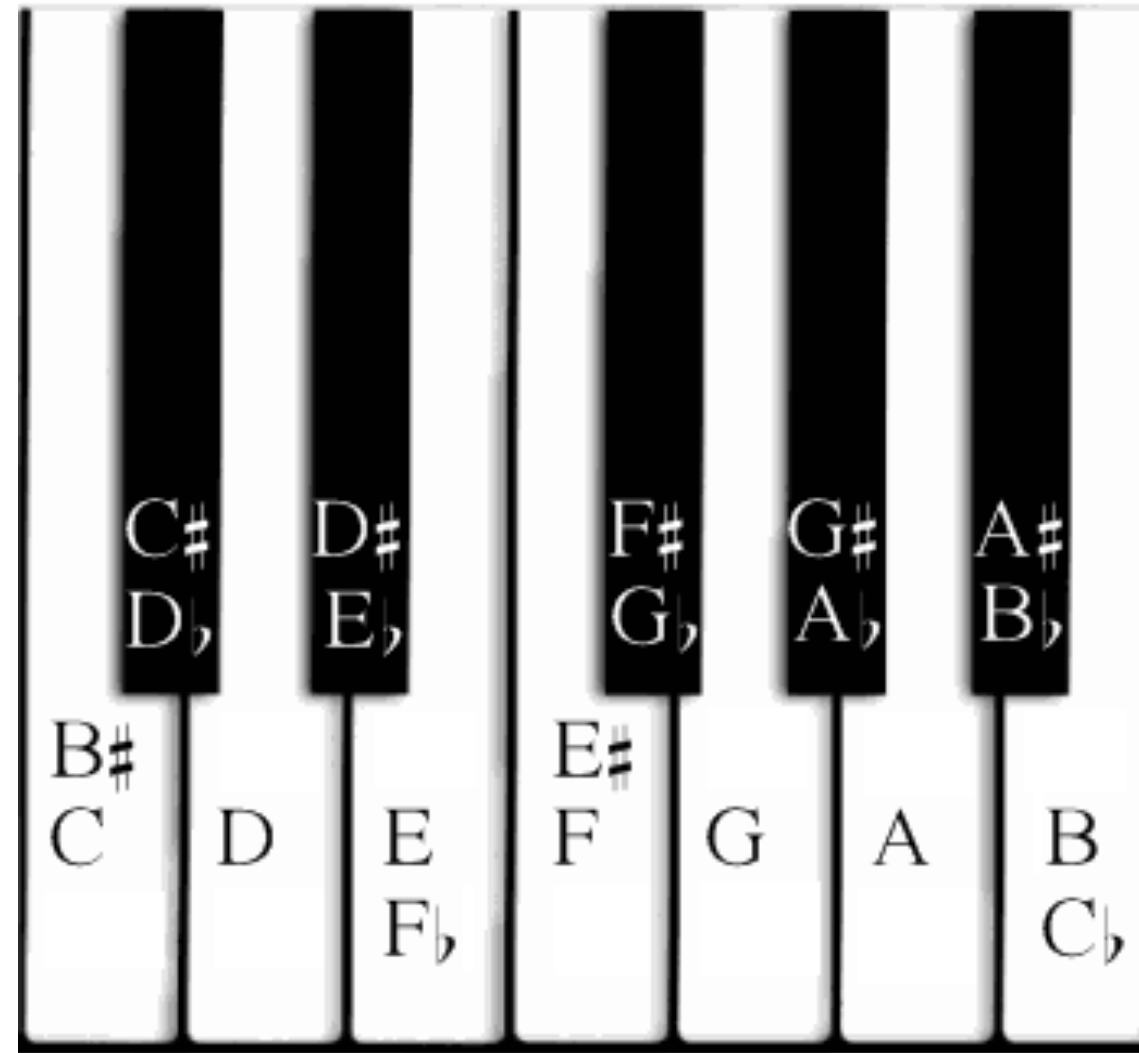
Column/Page Proportions		Sample sizes in inches			
a Quad Square	1 : 4	2.25 × 9	2.50 × 10	2.75 × 11	
1 : $\sqrt{15}$	1 : 3.873				
5 : 18	1 : 3.6				
b Octagon Wing	1 : 3.414	2.64 × 9	2.93 × 10	3.22 × 11	
1 : 2ϕ	1 : 3.236				
5 : 16	1 : 3.2				
c 1 : $\sqrt{10}$	1 : 3.162	2.85 × 9	3.16 × 10	3.48 × 11	
d 1 : π	1 : 3.142	2.86 × 9	3.18 × 10	3.50 × 11	
1 : 3	1 : 3				
e Double Pentagon	1 : 3.078	2.92 × 9	3.25 × 10	3.57 × 11	
f Wide Octagon Wing	1 : 2.993	3.01 × 9	3.34 × 10	3.68 × 11	
g 1 : $2\sqrt{2}$	1 : 2.828	3.18 × 9	3.54 × 10	3.89 × 11	
5 : 14	1 : 2.8				
h Pentagon Wing	1 : 2.753	3.27 × 9	3.63 × 10	4.00 × 11	
i 1 : e	1 : 2.718	3.31 × 9	3.68 × 10	4.05 × 11	
3 : 8	1 : 2.667				
j 1 : $\sqrt{7}$	1 : 2.646	3.40 × 9	3.78 × 10	4.16 × 11	
k Extended Section	1 : 2.618	3.44 × 9	3.82 × 10	4.20 × 11	
l Tall Octagon Column	1 : 2.613	3.44 × 9	3.83 × 10	4.21 × 11	
5 : 13	1 : 2.6				
m Mid Octagon Column	1 : 2.514	3.56 × 9	3.98 × 10	4.38 × 11	
2 : 5	1 : 2.5				
n Short Octagon Column	1 : 2.414	3.73 × 9	4.14 × 10	4.56 × 11	
5 : 12	1 : 2.4				
3 : 7	1 : 2.333				
o Hexagon Wing	1 : 2.309	3.90 × 9	4.33 × 10	4.76 × 11	
p Double Truncated Pentagon	1 : 2.252	4.00 × 9	4.44 × 10	4.88 × 11	
1 : $\sqrt{5}$	1 : 2.236	4.03 × 9	4.47 × 10	4.92 × 11	
5 : 11	1 : 2.2				
A Double Square	1 : 2	4.50 × 9	5.00 × 10	5.50 × 11	

*Shaping
the
Page*





Musical Scales



Example: *Perfect fourth*

Name	Interval in C	Ratio	Ratio (1:x)
unison	$C \rightarrow C$	1:1	1:1
minor second	$C \rightarrow D \flat$	15:16	1:1.067
major second	$C \rightarrow D$	8:9	1:1.125
minor third	$C \rightarrow E \flat$	5:6	1:1.2
major third	$C \rightarrow E$	4:5	1:1.25
perfect fourth	$C \rightarrow F$	3:4	1:1.333
augmented fourth or diminished fifth	$C \rightarrow F \sharp / G \flat$	$1:\sqrt{2}$	1:1.414
perfect fifth	$C \rightarrow G$	2:3	1:1.5
minor sixth	$C \rightarrow A \flat$	5:8	1:1.6
major sixth	$C \rightarrow A$	3:5	1:1.667
minor seventh	$C \rightarrow B \flat$	9:16	1:1.778
major seventh	$C \rightarrow B$	8:15	1:1.875
octave	$C \rightarrow C^{\uparrow}$	1:2	1:2
major tenth	$C \rightarrow E^{\uparrow}$	2:5	1:2.5
major eleventh	$C \rightarrow F^{\uparrow}$	3:8	1:2.667
major twelfth	$C \rightarrow G^{\uparrow}$	1:3	1:3
double octave	$C \rightarrow C^{\uparrow}$	1:4	1:4
Name	Interval in C	Ratio	Ratio (1:x)

In practice...

Steps:

1. Code setup
2. Find ideal font size
3. Find scale (synesthesia)
4. Typesetting
5. Spacing
6. Utility classes
7. Breakpoints

github.com/lukeaskew/css-harmony
