

13 Golden Rules for Typography on the Web

Richard Rutter, Clearleft



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Photo: Marc Thiele

iA

WEB DESIGN IS 95% TYPOGRAPHY

19 October 2006

95% of the information on the web is written language. It is only logical to say that a web designer should get good training in the main discipline of shaping written information, in other words: Typography.

Back in 1969, Emil Ruder, a famous Swiss typographer, wrote on behalf of his

“It is only logical to say that a web designer should get good training in typography.”

Oliver Reichenstein, [Web Design is 95% Typography](#)

<https://ia.net/know-how/the-web-is-all-about-typography-period>

Safari Ablage Bearbeiten Darstellung Verlauf Lesezeichen Entwickler Fenster Hilfe

Di. 14:27

| Bahnhof/Haltestelle | Datum |
|-------------------------------|--------------|
| Bonn Hbf (tief) | Di, 29.09.15 |
| Frankfurt(M) Flughafen Fernbf | Di, 29.09.15 |

| Bahnhof/Haltestelle | Datum |
|---------------------|--------------|
| Bonn Hbf (tief) | Di, 29.09.15 |
| Siegburg Bahnhof | Di, 29.09.15 |

Fußweg 7 Min.

| | |
|-------------------------------|--------------|
| Siegburg/Bonn | Di, 29.09.15 |
| Frankfurt(M) Flughafen Fernbf | Di, 29.09.15 |

Zwischenhalte einblenden

fährt Mo - Fr
Hinweis: Start/Ziel mit äquivalentem Bahnhof ersetzt

Am Bahnhof Karte anzeigen

| | |
|-------------------------------|--------------|
| Bonn Hbf | Di, 29.09.15 |
| Frankfurt(M) Flughafen Fernbf | Di, 29.09.15 |

| Bahnhof/Haltestelle | Datum |
|---------------------|--------------|
| Bonn Hbf | Di, 29.09.15 |
| Mainz Hbf | Di, 29.09.15 |

Umsteigezeit 5 Min.

| | |
|-------------------------------|--------------|
| Mainz Hbf | Di, 29.09.15 |
| Frankfurt(M) Flughafen Fernbf | Di, 29.09.15 |

Zwischenhalte einblenden

fährt nicht täglich, Verkehrstage

Am Bahnhof Karte anzeigen

| | |
|-------------------------------|--------------|
| Bonn Hbf (tief) | Di, 29.09.15 |
| Frankfurt(M) Flughafen Fernbf | Di, 29.09.15 |

Details für alle ausblenden

Contents

- Featured content
- Current events
- Random article
- Donate to Wikipedia
- Wikipedia store

Interaction

- Help
- About Wikipedia
- Community portal
- Recent changes
- Contact page

Tools

- What links here
- Related changes
- Upload file
- Special pages
- Permanent link
- Page information
- Wikidata item
- Cite this page

Print/export

- Create a book
- Download as PDF
- Printable version

Languages

- Deutsch
- Español
- Français
- 한국어
- Italiano
- Nederlands
- Português
- Русский
- Simple English
- Suomi
- Svenska

Origins [edit]

The origin of the name Google Googies, which had distinct arc Burton, the wife of the original c

Googies was located at the cor 1989.^[11] The name Google bec

magazine and architectural pho

stopping the car upon seeing G

article he wrote appeared in a

Though Haskell coined the term

his article he used the fictional

Hollywood, which he felt inform

History [edit]

Google's beginnings are with th

knowledgeable writers on the s

Leyla aus Syri

Suche nach Personen, Orten, u

Indra

Gefällt mir Kommentieren Teilen

18 Personen gefällt das.

Schreibe einen Kommentar ...

Stefanie Harjes
1 Std · 🗨️

Große Freude "Überm Wind"!
https://de.book-fair.com/.../press_releases/f

Gefällt mir Kommentieren Teilen

8 Personen gefällt das.

2 mal geteilt

Susanne Maier Glückwunsch! 😊
Gefällt mir · Antworten · 🗨️ 1 · 45 Min

Kurta Hemling sehr schön! martha grüßt aus ne
Gefällt mir · Antworten · 🗨️ 1 · 39 Min

Carolin Mandel Herzlichen Glückwunsch! Wie t
Gefällt mir · Antworten · 🗨️ 1 · 35 Min

Stefanie Harjes Danke, Ihr Lieben!!
Gefällt mir · Antworten · 🗨️ 1 · 32 Min

Schreibe einen Kommentar ...

Veronika Burian
1 Std · Hootsuite · 🗨️

I agree with Victoria <http://ow.ly/Se1yp> @alpha
try hard to avoid stereotypes when describing t

Photo: Indra Kupferschmid

The Aesthetics of Reading

Kevin Larson (Microsoft) & Rosalind Picard (MIT)

Dr. Kevin Larson
Microsoft Advanced Reading Technologies
1 Microsoft Way
Redmond, WA
Phone: (425) 703-5204
Fax: (425) 936-7329

“There are important differences between good or poor typography that appear to have little effect on reading speed and comprehension.”

Dr. Kevin Larson (Microsoft)
and Dr. Rosalind W. Picard (MIT)

The Aesthetics of Reading

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“Good quality typography is responsible for greater engagement during reading.”

Dr. Kevin Larson (Microsoft)
and Dr. Rosalind W. Picard (MIT)

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“Good typography induces a good mood.”

Dr. Kevin Larson (Microsoft)
and Dr. Rosalind W. Picard (MIT)

Good typography
induces a
good mood!

No1

Learn to relinquish control



A Dao of Web Design

by [John Allsopp](#) · April 07, 2000

Published in [CSS](#), [Layout & Grids](#), [Typography & Web Fonts](#), [Accessibility](#)



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<https://aneventapart.com>

What Zen was to the 70's (most famously with motorcycle maintenance), the *Tao Te Ching* was to the 90's. From Piglet and Pooh to Physics and back, many have sought sense in applying the *Tao Te Ching* to something (the *Tao of Physics*), or something to the *Tao Te Ching* (the *Tao of Pooh*). It can be a cheap trick, but lately it has struck me that there is more than a little to be understood about web design by looking through the prism of the

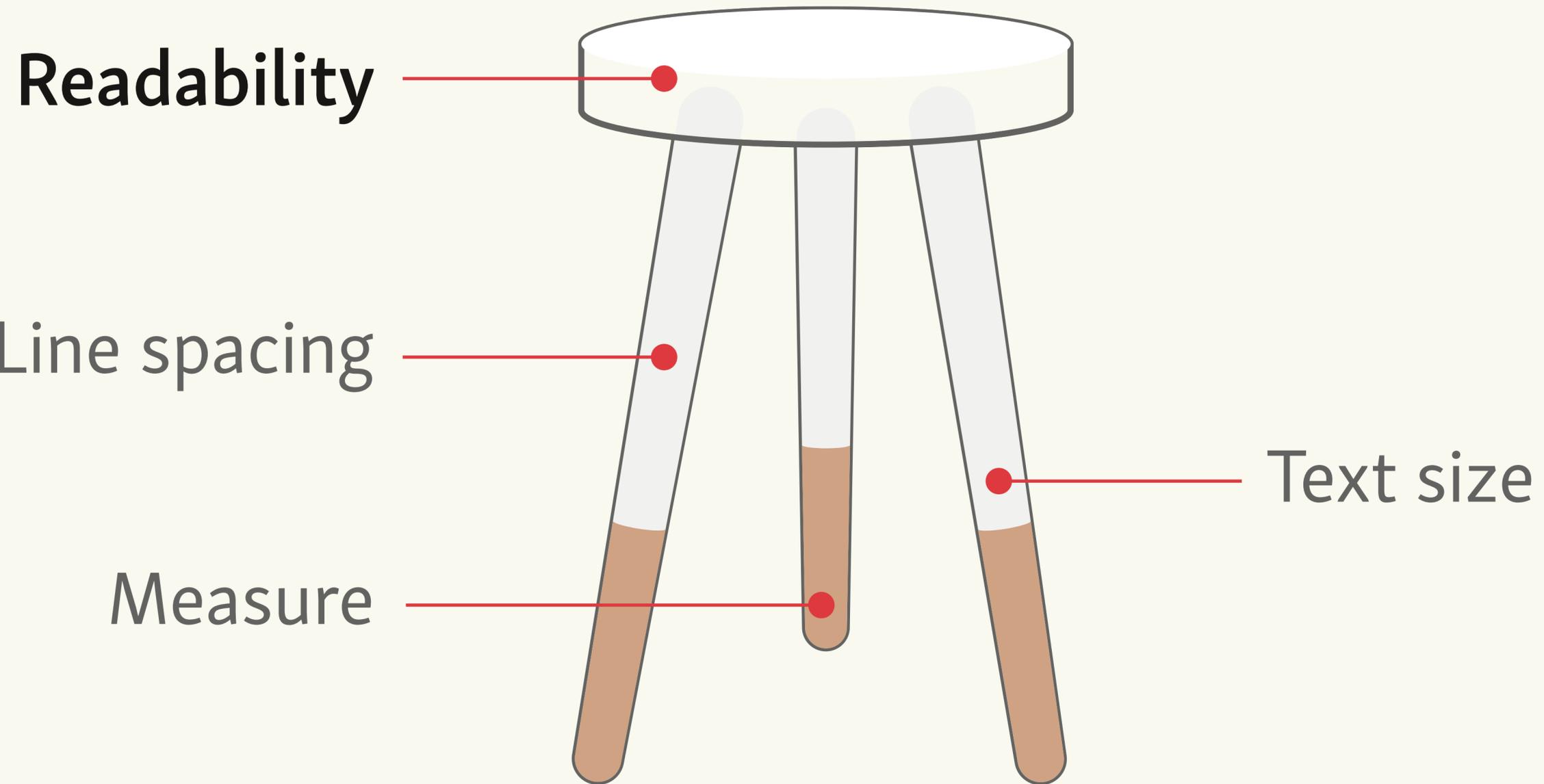
**“The sage ... accepts the ebb and flow of things,
Nurtures them, but does not own them.”**

John Allsop, *A Dao of Web Design*
<https://alistapart.com/article/dao>

No2

Don't trust computers

J



No3

**Use the default font size for
paragraph text**

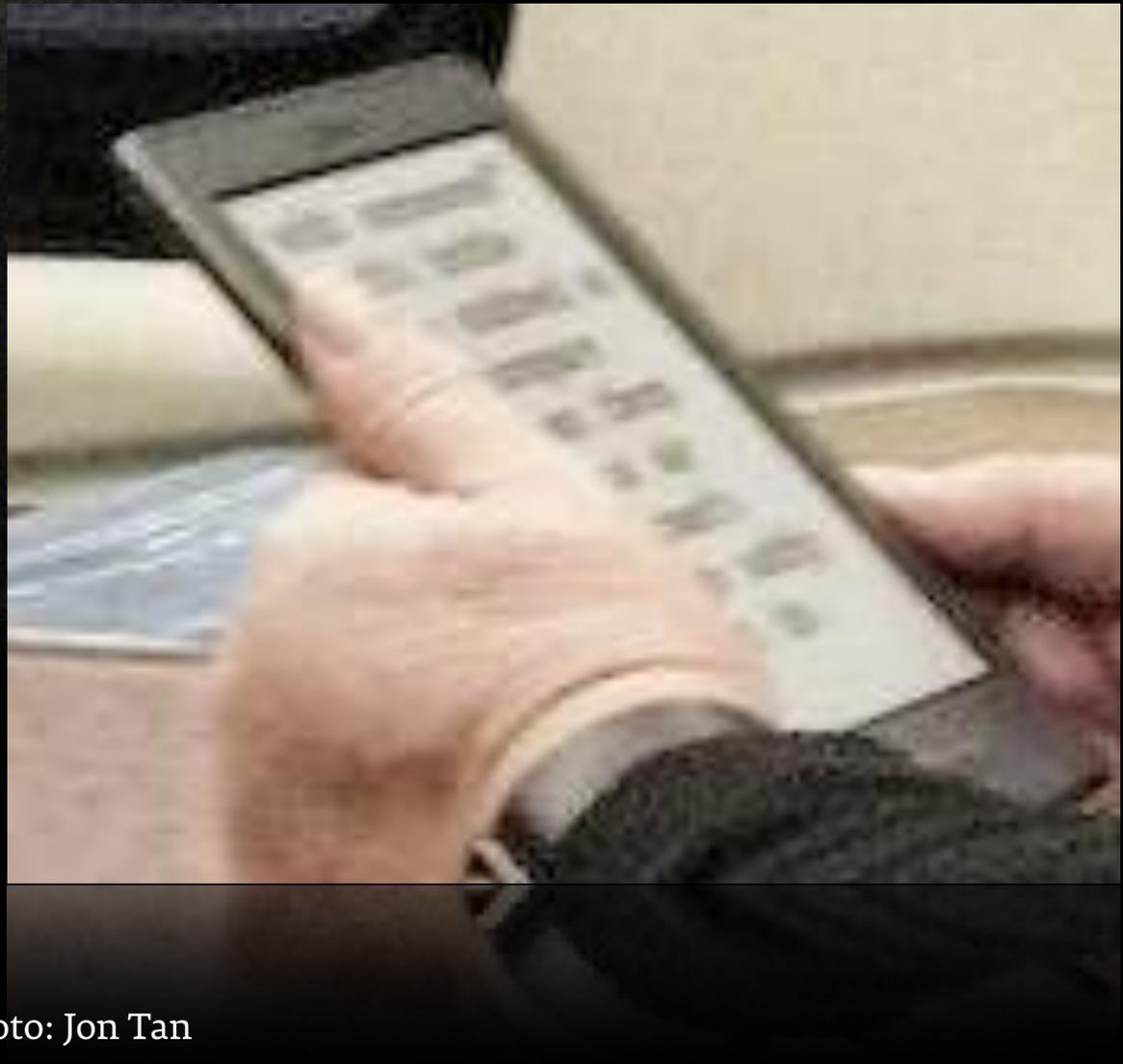


Photo: Jon Tan

No4

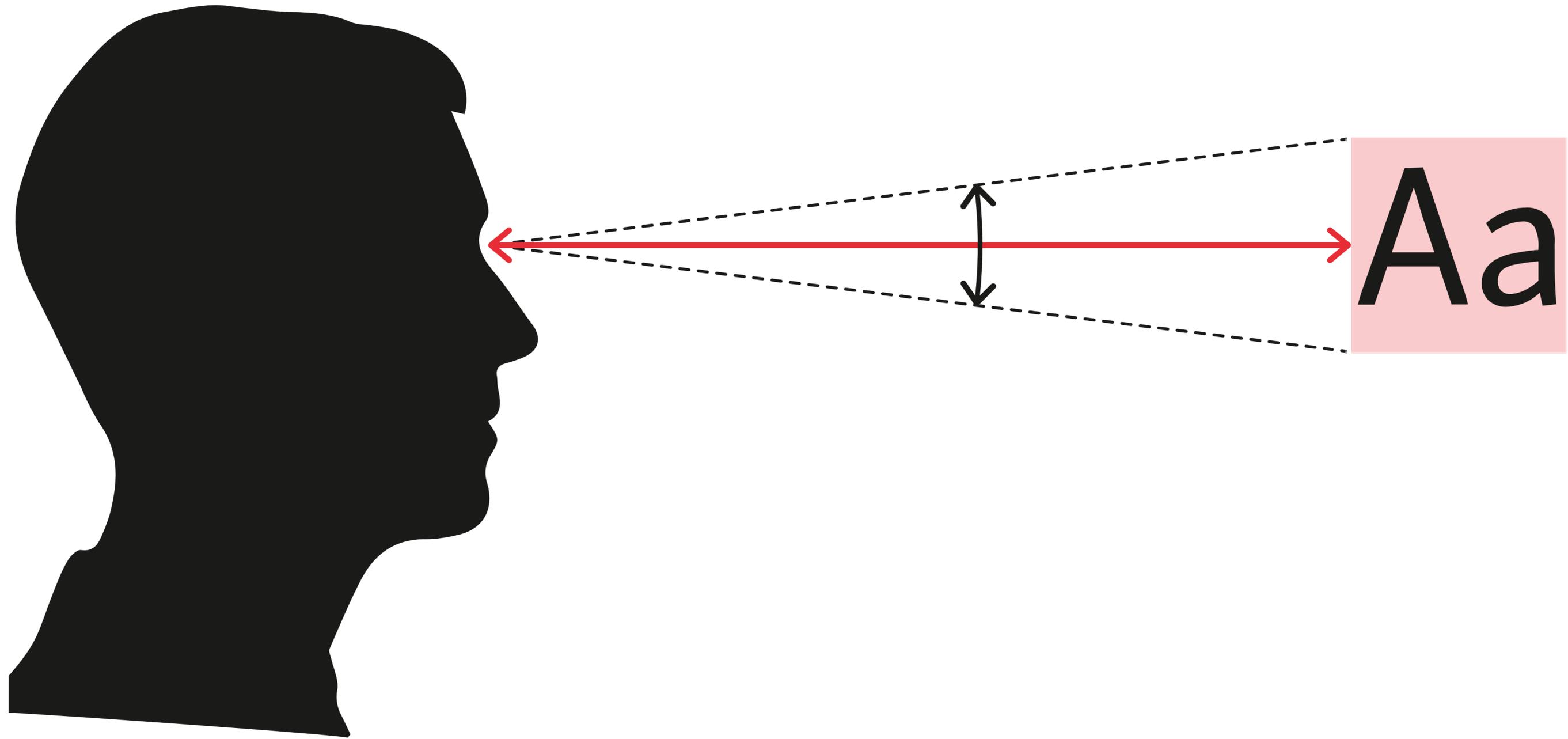
**Adjust type size according to
reading distance**



channel4.com/programmes/father-ted/



channel4.com/programmes/father-ted/



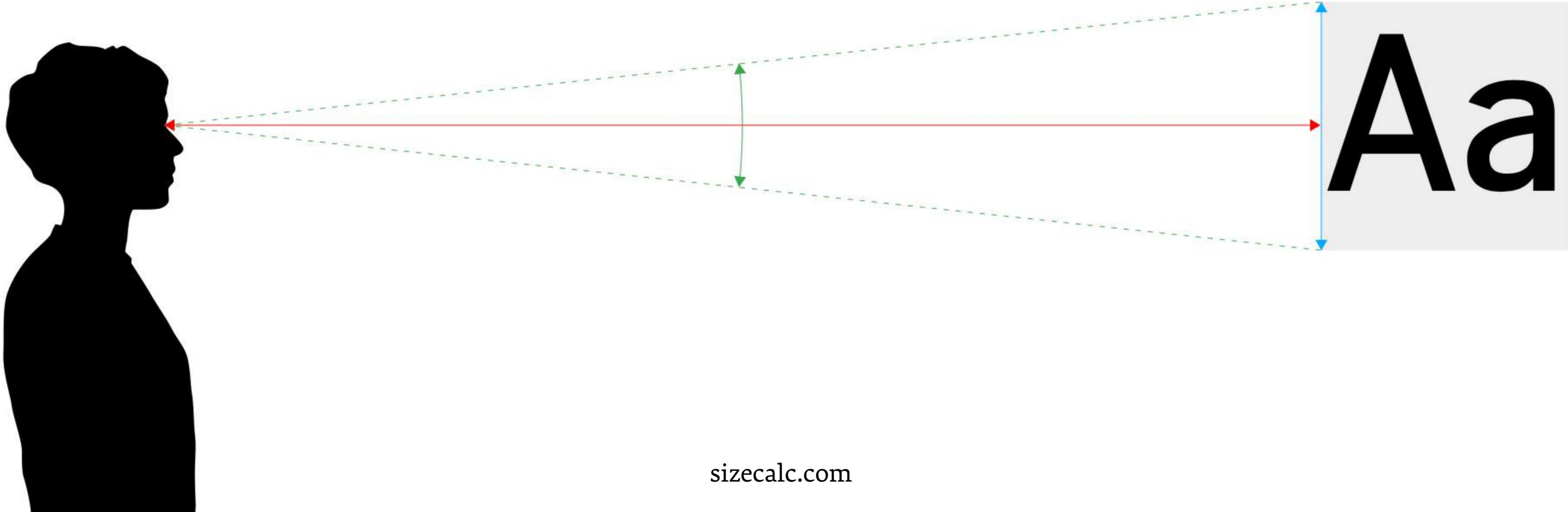
Size Calculator

Enter any two values to calculate the third.

Viewing Distance

Physical Size

Perceived Size



Size Calculator

Enter any two values to calculate the third.

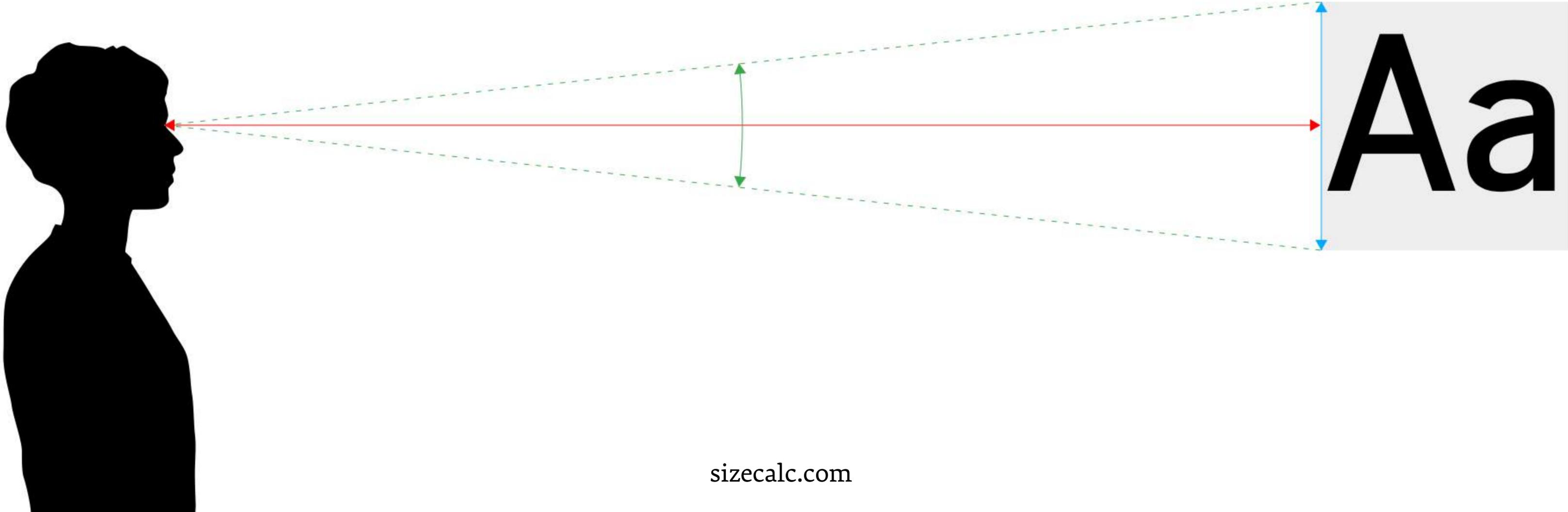
Viewing Distance



Physical Size



Perceived Size



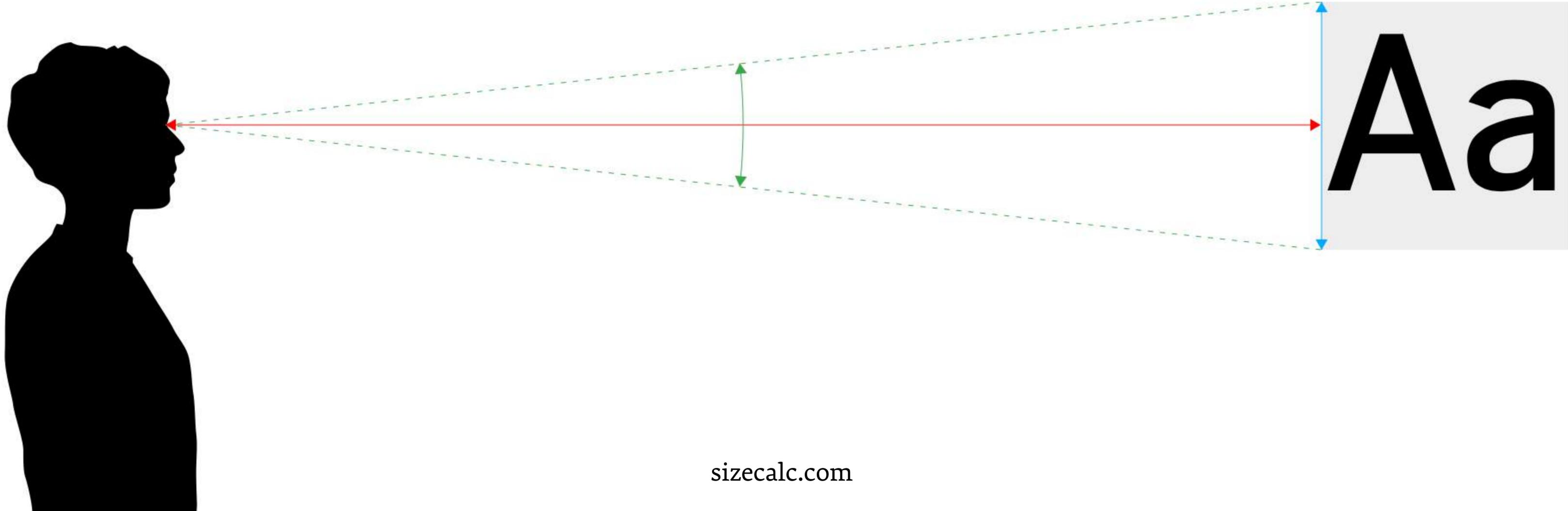
Size Calculator

Enter any two values to calculate the third.

Viewing Distance

Physical Size

Perceived Size



Size Calculator

Enter any two values to calculate the third.

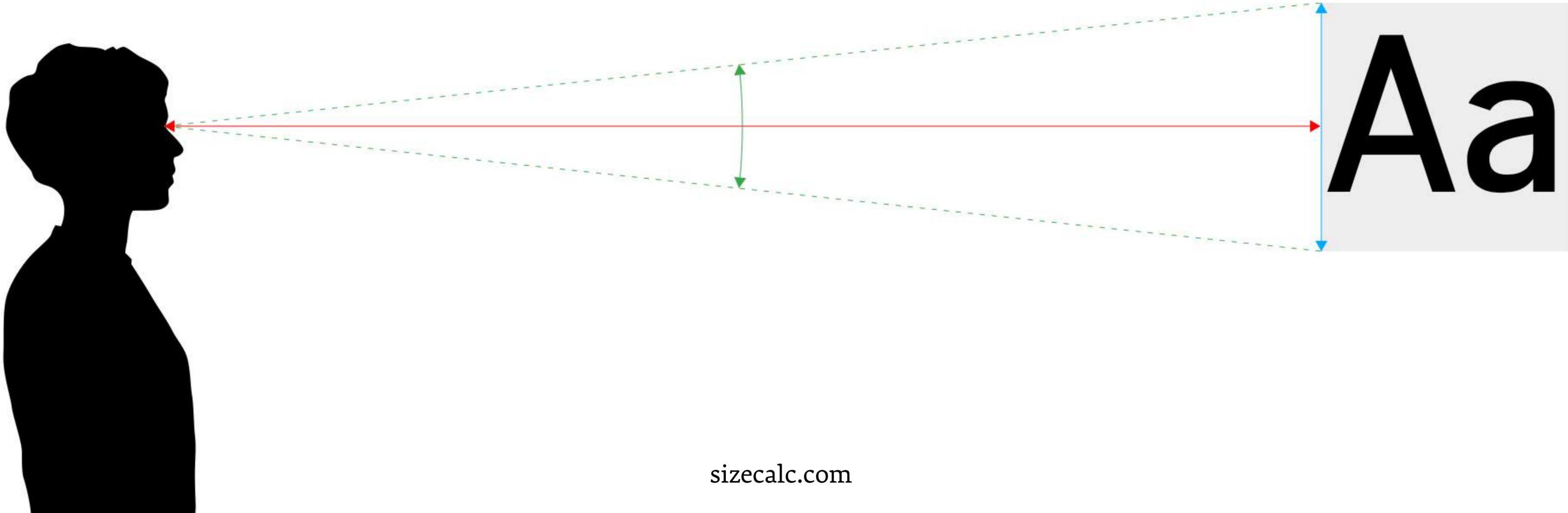
Viewing Distance



Physical Size



Perceived Size



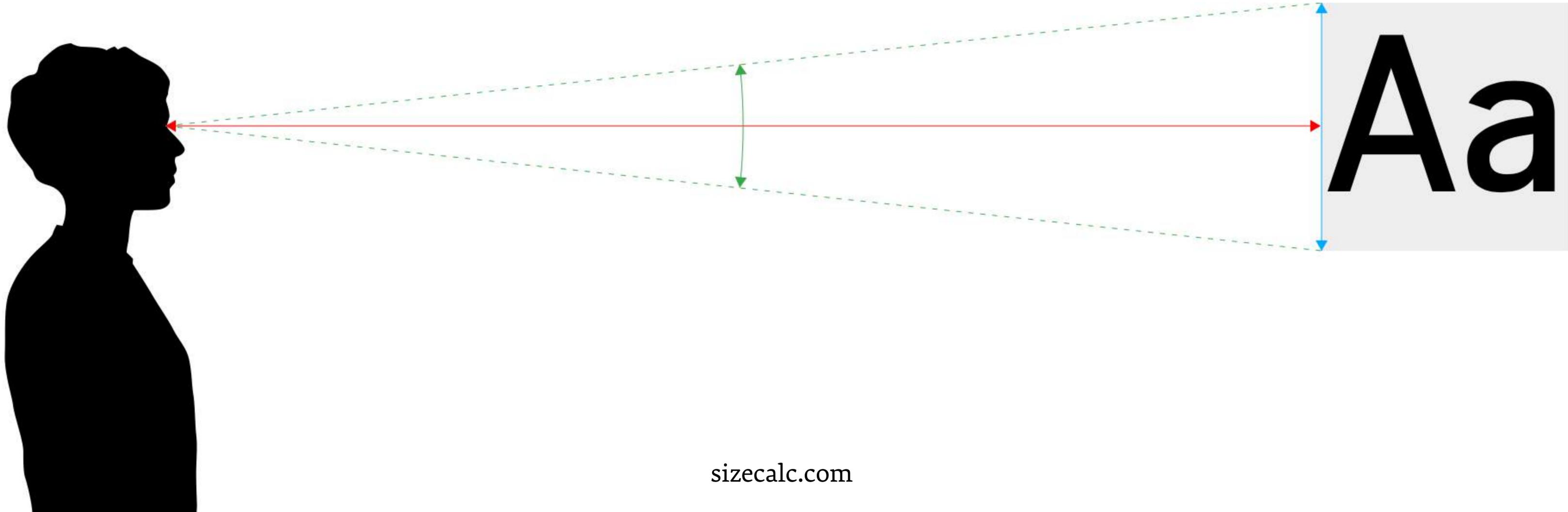
Size Calculator

Enter any two values to calculate the third.

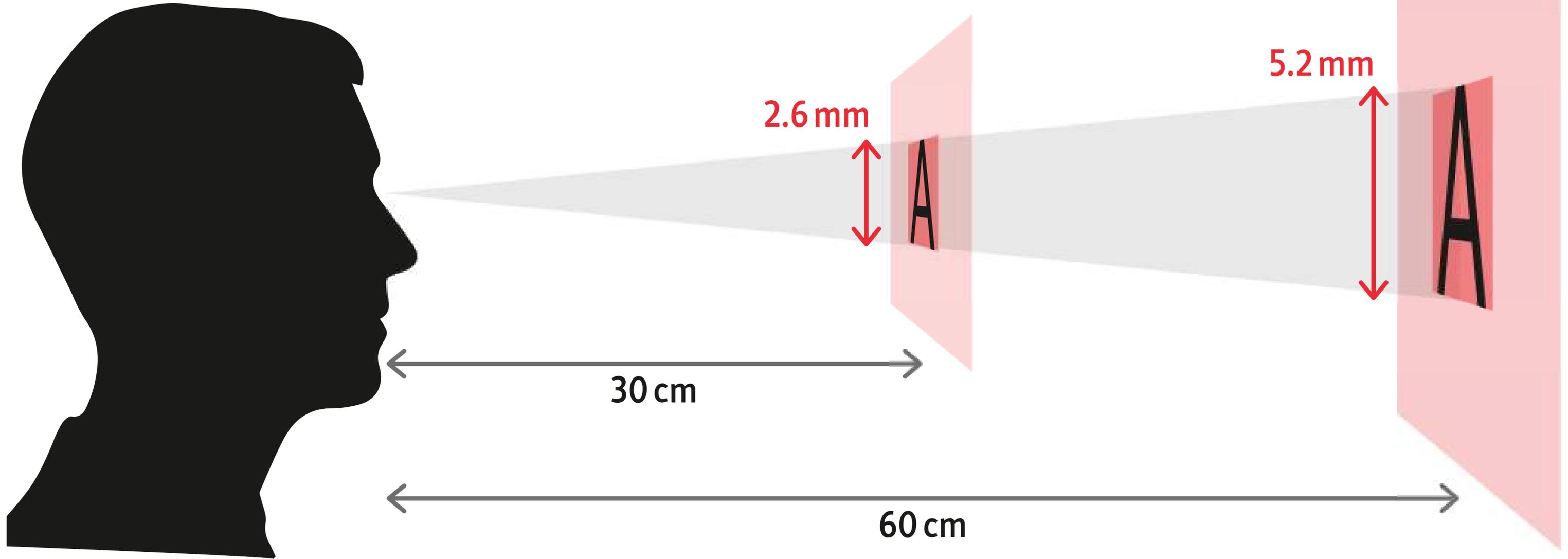
Viewing Distance

Physical Size

Perceived Size



Reader



Size Calculator

Enter any two values to calculate the third.

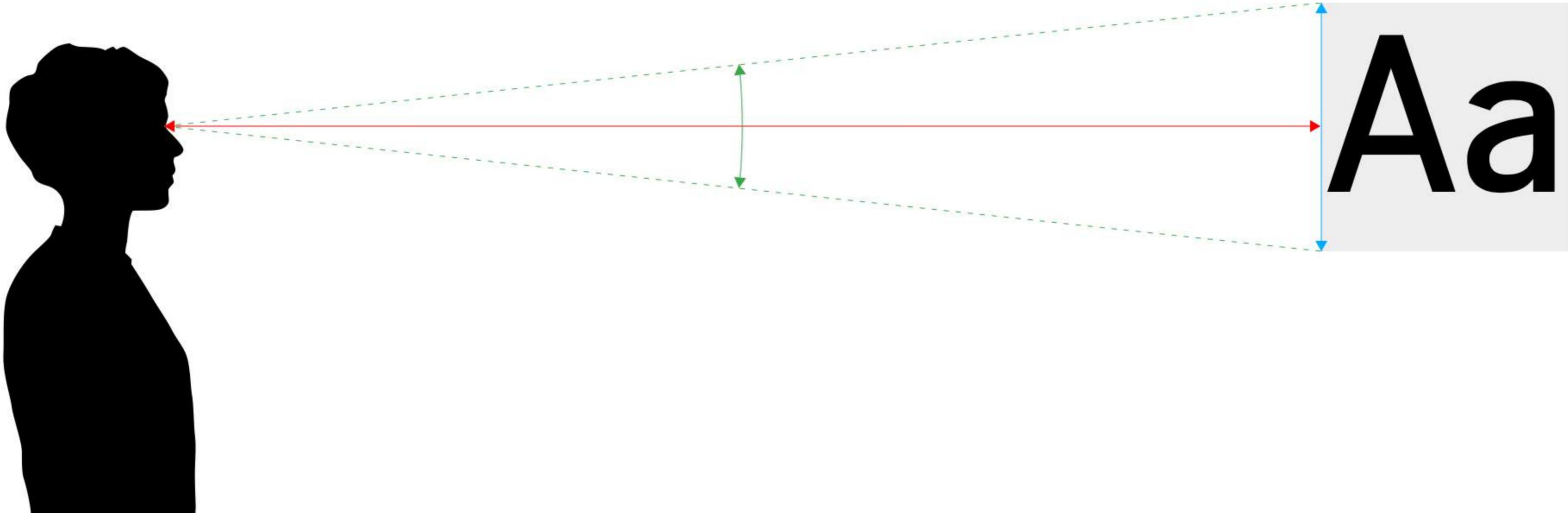
Viewing Distance



Physical Size



Perceived Size



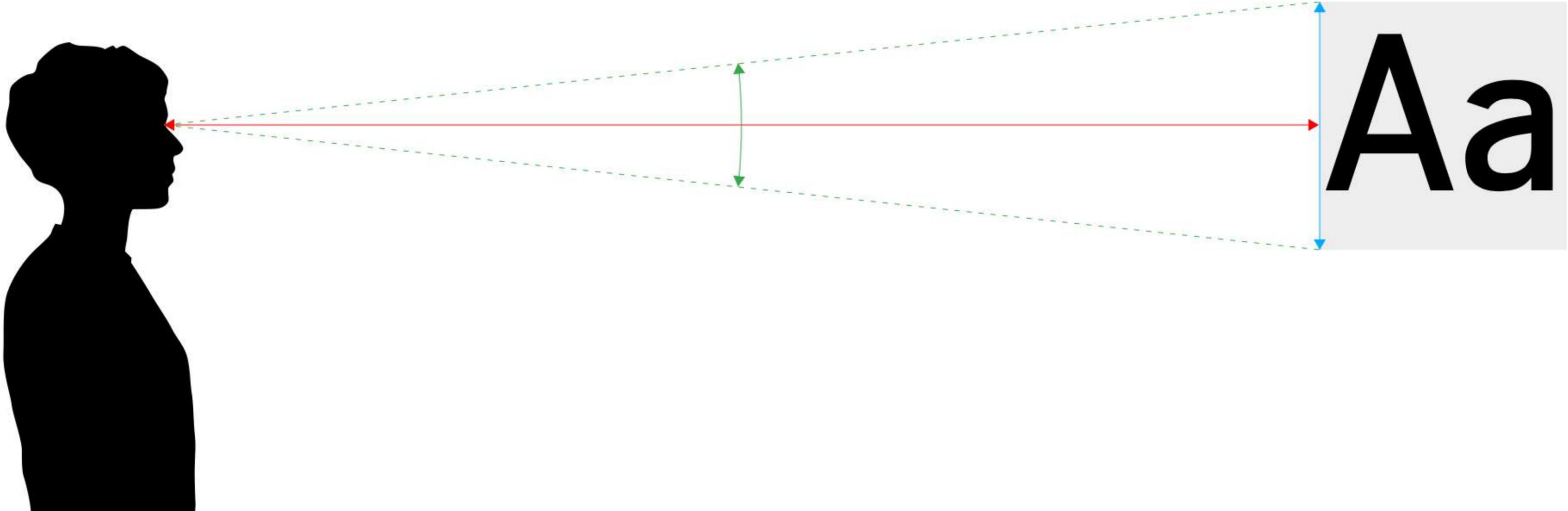
Size Calculator

Enter any two values to calculate the third.

Viewing Distance

Physical Size

Perceived Size




```
p { font-size: 16px; }
```

```
p { font-size: 16px; }
```

```
@media screen and (min-width: 60em) {  
  p { font-size: 18px; }  
}
```

```
p { font-size: 16px; }
```

```
@media screen and (min-width: 60em) {  
  p { font-size: 18px; }  
}
```

```
@media screen and (min-width: 120em) {  
  p { font-size: 22px; }  
}
```



NICK SHERMAN *on* TYPOGRAPHY

Responsive Typography is a Physical Discipline, But Your Computer Doesn't Know It (Yet)

“When it comes to typography, on screens or otherwise, size matters. Physical size affects optical issues that change how the eye and brain process typographic images.”

Nick Sherman, *Responsive Typography is a Physical Discipline*

<http://alistapart.com/column/responsive-typography-is-a-physical-discipline>

No5

**Adjust the font size if the
typeface requires it**

~~Excerpt~~ ~~Excerpt~~ ~~Excerpt~~ ~~Excerpt~~

Altis

Helvetica

Futura

Lato

Helvetica 16px

One more attribute the modern typographer must have: the capacity for taking great pains with seemingly unimportant detail. To them, one typographical point must be as important as one inch, and they must harden their heart against the accusation of being too fussy.

Futura 20px

One more attribute the modern typographer must have: the capacity for taking great pains with seemingly unimportant detail. To them, one typographical point must be as important as one inch, and they must harden their heart against the accusation of being too fussy.

Aspect value calculator

The `font-size-adjust` CSS3 property allows you to specify the *aspect value* for a font. Browsers that support this property will adjust the x-height of a fallback font to match that of your desired font. By using this property you can ensure that font metrics are more consistent throughout a font-stack.

This tool calculates the **aspect value** for any font installed on your machine. Use this value as your `font-size-adjust` number.

Font

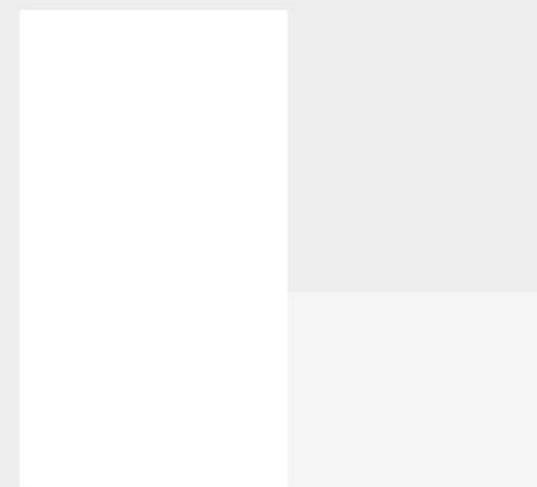
font-family

font-style

font-weight

Calculate aspect value

»



futura

The above typeface will appear in *Comic Sans* if the font is not installed or is not recognised.

| Typeface | Aspect Ratio |
|-----------------|---------------------|
|-----------------|---------------------|

| | |
|-----------|-------|
| Helvetica | 0.521 |
|-----------|-------|

| | |
|------|-------|
| Lato | 0.507 |
|------|-------|

| | |
|--------|-------|
| Futura | 0.417 |
|--------|-------|

| | |
|-------|-------|
| Altis | 0.542 |
|-------|-------|

Adjusting for aspect ratio:

font size × Helvetica ÷ Typeface = adjusted size

So equivalent size for **Lato** is:

$$16 \times 0.521 \div 0.507 = 16.5\text{px}$$

Futura:

$$16 \times 0.521 \div 0.417 = 20.1\text{px}$$

Altis:

$$16 \times 0.521 \div 0.542 = 15.2\text{px}$$

Altis 15.2px

One more attribute the modern typographer must have: the capacity for taking great pains with seemingly unimportant detail. To them, one typographical point must be as important as one inch, and they must harden their heart against the accusation of being too fussy.

Lato 16.5px

One more attribute the modern typographer must have: the capacity for taking great pains with seemingly unimportant detail. To them, one typographical point must be as important as one inch, and they must harden their heart against the accusation of being too fussy.

Helvetica 16px

One more attribute the modern typographer must have: the capacity for taking great pains with seemingly unimportant detail. To them, one typographical point must be as important as one inch, and they must harden their heart against the accusation of being too fussy.

Futura 20px

One more attribute the modern typographer must have: the capacity for taking great pains with seemingly unimportant detail. To them, one typographical point must be as important as one inch, and they must harden their heart against the accusation of being too fussy.

No6

Set tables to be read

asymmetric typography

“Tabular matter need no longer be a rather unpleasant job to design: on the contrary, it can become a really charming and artistic exercise.”

Jan Tschichold, *Asymmetric Typography*

| Country | Area | Population | GDP | Capital |
|----------------|-------------|-------------------|------------|----------------|
| Austria | 83,858 | 8,169,929 | 339 | Vienna |
| Belgium | 30,528 | 11,007,000 | 410 | Brussels |
| Denmark | 43,094 | 5,564,219 | 271 | Copenhagen |
| France | 547,030 | 66,104,000 | 2,181 | Paris |
| Germany | 357,021 | 80,716,000 | 3,032 | Berlin |
| Greece | 131,957 | 11,123,034 | 176 | Athens |
| Ireland | 70,280 | 4,234,925 | 255 | Dublin |
| Italy | 301,230 | 60,655,464 | 1,642 | Rome |
| Luxembourg | 2,586 | 448,569 | 51 | Luxembourg |
| Netherlands | 41,526 | 16,902,103 | 676 | Amsterdam |
| Portugal | 91,568 | 10,409,995 | 179 | Lisbon |
| Spain | 504,851 | 47,059,533 | 1,075 | Madrid |
| Sweden | 449,964 | 9,090,113 | 447 | Stockholm |
| United Kingdom | 244,820 | 65,110,000 | 2,727 | London |

| Call charge |
|-------------|
| \$1.30 |
| \$2.50 |
| \$10.80 |
| \$111.01 |
| \$85. |
| N/A |
| \$.05 |
| \$.06 |

| Video standard | Resolution | Pixels | Aspect |
|-----------------------|-------------------|---------------|---------------|
| QQVGA | 160×120 | 19k | 4:3 |
| HQVGA | 240×160 | 38k | 3:2 |
| QVGA | 320×240 | 76k | 4:3 |
| WQVGA | 480×272 | 130k | 16:9 |
| VGA | 640×480 | 307k | 4:3 |
| SVGA | 800×600 | 480k | 4:3 |
| XGA | 1024×768 | 786k | 4:3 |
| HD | 1260×768 | 967k | 16:9 |
| WXGA | 1280×800 | 1,024k | 16:10 |
| SXGA | 1280×1024 | 1,310k | 5:4 |
| UXGA | 1600×1200 | 1,920k | 4:3 |
| FHD | 1920×1080 | 2,073k | 16:9 |
| DCI 2K | 2048×1080 | 2,211k | 19:10 |
| WQXGA | 2560×1600 | 4,096k | 16:10 |
| 4K UHD | 3840×2160 | 8,294k | 16:9 |


```
<td align="char" char="x">
```

```
<td align="char" char="x">
```

```
td { text-align: "x" center; }
```

| | <i>To convert</i> | <i>into</i> | <i>multiply by</i> |
|--------|-------------------|------------------------------------|--------------------|
| Length | inches | millimetres (mm) | 25.4 |
| | feet | centimetres (cm) | 30.48 |
| | yards | metres (m) | 0.91444 |
| | miles | kilometres (km) | 1.61 |
| Area | square inches | sq. millimetres (mm ²) | 645 |
| | square feet | square metres (m ²) | 0.0929 |
| | square yards | square metres (m ²) | 0.836 |
| | acres | hectares | 2.47 |
| Volume | cubic inches | millilitres (ml) | 16.4 |
| | cubic feet | litres | 28.3 |
| | imperial gallons | litres | 4.55 |
| | US barrels | cubic metres (m ³) | 0.159 |

Imperial to metric conversion factors
Values are given to three significant figures unless exact

| Director | Film | Released | Budget | Gross | Rating |
|------------------|------------------------------|----------|--------------|---------------|--------|
| John Ford | The Informer | May 1935 | \$243,000 | \$950,000 | 8.3/10 |
| John Ford | The Grapes of Wrath | Jan 1940 | \$800,000 | \$2,500,000 | 9/10 |
| John Ford | How Green Was My Valley | Oct 1941 | \$800,000 | \$2,800,000 | 7.9/10 |
| John Ford | The Quiet Man | Jul 1952 | \$1,750,000 | \$3,200,000 | 8/10 |
| William Wyler | Mrs Miniver | Jun 1942 | \$1,340,000 | \$8,878,000 | 7.8/10 |
| William Wyler | The Best Years of Our Lives | Nov 1946 | \$2,100,000 | \$23,700,000 | 8.6/10 |
| William Wyler | Ben-Hur | Nov 1959 | \$15,200,000 | \$146,900,000 | 7.9/10 |
| Frank Capra | It Happened One Night | Feb 1934 | \$325,000 | \$2,500,000 | 8.9/10 |
| Frank Capra | Mr Deeds Goes to Town | Apr 1936 | \$845,710 | \$1,000,000 | 8.4/10 |
| Frank Capra | You Can't Take It With You | Aug 1938 | \$1,644,736 | \$5,295,526 | 7.6/10 |
| Billy Wilder | The Lost Weekend | Nov 1945 | \$1,250,000 | \$11,000,000 | 8.2/10 |
| Billy Wilder | The Apartment | Jun 1960 | \$3,000,000 | \$24,600,000 | 8.5/10 |
| David Lean | The Bridge on the River Kwai | Oct 1957 | \$2,800,000 | \$30,600,000 | 9.2/10 |
| David Lean | Lawrence of Arabia | Dec 1962 | \$15,000,000 | \$70,000,000 | 9/10 |
| Steven Spielberg | Schindler's List | Nov 1993 | \$22,000,000 | \$321,200,000 | 9/10 |
| Steven Spielberg | Saving Private Ryan | Jul 1998 | \$70,000,000 | \$481,800,000 | 8.6/10 |
| Fred Zinnemann | From Here to Eternity | Aug 1953 | \$2,500,000 | \$30,500,000 | 8.2/10 |
| Fred Zinnemann | A Man for All Seasons | Dec 1966 | \$2,000,000 | \$28,400,000 | 7.8/10 |

| Director | Film | Released | Budget | Gross | Rating |
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| Fred Zinnemann | From Here to Eternity | Aug 1953 | \$2,500,000 | \$30,500,000 | 8.2/10 |
| Fred Zinnemann | A Man for All Seasons | Dec 1966 | \$2,000,000 | \$28,400,000 | 7.8/10 |

| Director | Film | Released | Budget | Gross | Rating |
|------------------|------------------------------|----------|--------------|---------------|--------|
| John Ford | The Informer | May 1935 | \$243,000 | \$950,000 | 8.3/10 |
| John Ford | The Grapes of Wrath | Jan 1940 | \$800,000 | \$2,500,000 | 9/10 |
| John Ford | How Green Was My Valley | Oct 1941 | \$800,000 | \$2,800,000 | 7.9/10 |
| John Ford | The Quiet Man | Jul 1952 | \$1,750,000 | \$3,200,000 | 8/10 |
| William Wyler | Mrs Miniver | Jun 1942 | \$1,340,000 | \$8,878,000 | 7.8/10 |
| William Wyler | The Best Years of Our Lives | Nov 1946 | \$2,100,000 | \$23,700,000 | 8.6/10 |
| William Wyler | Ben-Hur | Nov 1959 | \$15,200,000 | \$146,900,000 | 7.9/10 |
| Frank Capra | It Happened One Night | Feb 1934 | \$325,000 | \$2,500,000 | 8.9/10 |
| Frank Capra | Mr Deeds Goes to Town | Apr 1936 | \$845,710 | \$1,000,000 | 8.4/10 |
| Frank Capra | You Can't Take It With You | Aug 1938 | \$1,644,736 | \$5,295,526 | 7.6/10 |
| Billy Wilder | The Lost Weekend | Nov 1945 | \$1,250,000 | \$11,000,000 | 8.2/10 |
| Billy Wilder | The Apartment | Jun 1960 | \$3,000,000 | \$24,600,000 | 8.5/10 |
| David Lean | The Bridge on the River Kwai | Oct 1957 | \$2,800,000 | \$30,600,000 | 9.2/10 |
| David Lean | Lawrence of Arabia | Dec 1962 | \$15,000,000 | \$70,000,000 | 9/10 |
| Steven Spielberg | Schindler's List | Nov 1993 | \$22,000,000 | \$321,200,000 | 9/10 |
| Steven Spielberg | Saving Private Ryan | Jul 1998 | \$70,000,000 | \$481,800,000 | 8.6/10 |
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| Director | Film | Released | Budget (\$) | Gross (\$) | Rating |
|------------------|------------------------------|----------|-------------|-------------|--------|
| John Ford | The Informer | May 1935 | 243,000 | 950,000 | 8.3 |
| | The Grapes of Wrath | Jan 1940 | 800,000 | 2,500,000 | 9.0 |
| | How Green Was My Valley | Oct 1941 | 800,000 | 2,800,000 | 7.9 |
| | The Quiet Man | Jul 1952 | 1,750,000 | 3,200,000 | 8.0 |
| William Wyler | Mrs Miniver | Jun 1942 | 1,340,000 | 8,880,000 | 7.8 |
| | The Best Years of Our Lives | Nov 1946 | 2,100,000 | 23,700,000 | 8.6 |
| | Ben-Hur | Nov 1959 | 15,200,000 | 147,000,000 | 7.9 |
| Frank Capra | It Happened One Night | Feb 1934 | 325,000 | 2,500,000 | 8.9 |
| | Mr Deeds Goes to Town | Apr 1936 | 846,000 | 1,000,000 | 8.4 |
| | You Can't Take It With You | Aug 1938 | 1,640,000 | 5,300,000 | 7.6 |
| Billy Wilder | The Lost Weekend | Nov 1945 | 1,250,000 | 11,000,000 | 8.2 |
| | The Apartment | Jun 1960 | 3,000,000 | 24,600,000 | 8.5 |
| David Lean | The Bridge on the River Kwai | Oct 1957 | 2,800,000 | 30,600,000 | 9.2 |
| | Lawrence of Arabia | Dec 1962 | 15,000,000 | 70,000,000 | 9.0 |
| Steven Spielberg | Schindler's List | Nov 1993 | 22,000,000 | 321,000,000 | 9.0 |
| | Saving Private Ryan | Jul 1998 | 70,000,000 | 482,000,000 | 8.6 |
| Fred Zinnemann | From Here to Eternity | Aug 1953 | 2,500,000 | 30,500,000 | 8.2 |
| | A Man for All Seasons | Dec 1966 | 2,000,000 | 28,400,000 | 7.8 |

| Director | Film | Released | Budget | Gross | Rating |
|------------------|------------------------------|----------|--------------|---------------|--------|
| John Ford | The Informer | May 1935 | \$243,000 | \$950,000 | 8.3/10 |
| John Ford | The Grapes of Wrath | Jan 1940 | \$800,000 | \$2,500,000 | 9/10 |
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| David Lean | Lawrence of Arabia | Dec 1962 | \$15,000,000 | \$70,000,000 | 9/10 |
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| | Mr Deeds Goes to Town | Apr 1936 | 846,000 | 1,000,000 | 8.4 |
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| | Lawrence of Arabia | Dec 1962 | 15,000,000 | 70,000,000 | 9.0 |
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| | Saving Private Ryan | Jul 1998 | 70,000,000 | 482,000,000 | 8.6 |
| Fred Zinnemann | From Here to Eternity | Aug 1953 | 2,500,000 | 30,500,000 | 8.2 |
| | A Man for All Seasons | Dec 1966 | 2,000,000 | 28,400,000 | 7.8 |

How to make a table readable

1. Remove stretch and size columns to data
2. Remove fills, gridlines, border and bolding.
3. Left-align text, right-align numbers and align headings with data.
4. Put white space to work to group and separate.
5. Use tabular lining numerals, consistent precision, and remove repetition.

No7

**Set text at display sizes,
even on small screens**

Cheap enough to say, Phuket I'll go.

Over 93 Asian destinations. Book online at airasia.com

AirAsia



bishopp



NEUMANN

GENCO
UNLEADED95

145.9

THE GREAT DISCONTENT



ISSUE TWO
Sharon Van Etten
Molly Crabapple
Paul Octavious
Samantha Fleet
Kevin Allison
and more

USD \$25
EUR €24
GBP £18
CAD \$30



Leitura News Maison Neue



Leitura News Maison Neue





Interview by Tammi Heneveld
November 10, 2015

Photo by Fred DiMeglio

Mary Kate McDevitt

ILLUSTRATOR / LETTERER

Mary Kate McDevitt is a freelance illustrator and letterer



The Pelican Story

In 1936, Allen Lane, the founder of Penguin, overheard a woman at a bookstall in King's Cross station asking for 'one of those Pelican books'. Presumably she meant a Penguin, but Lane, concerned that his competitors might snatch up bird names, decided to launch a new flock of non-fiction books. The Pelican imprint was born.



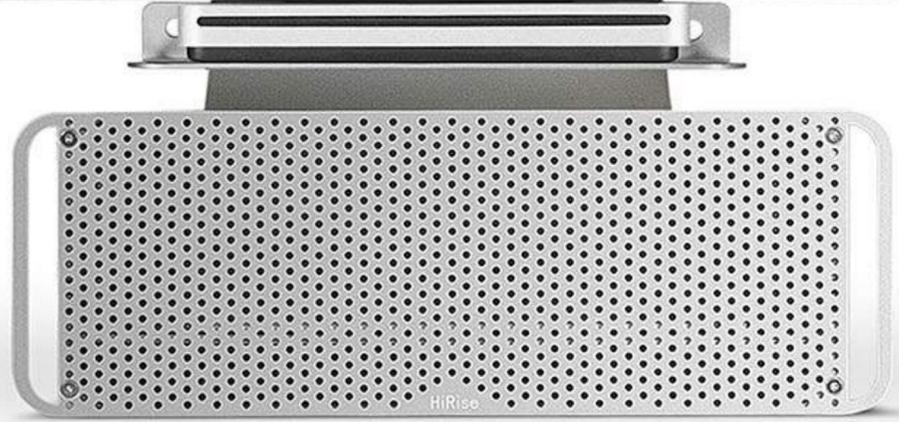
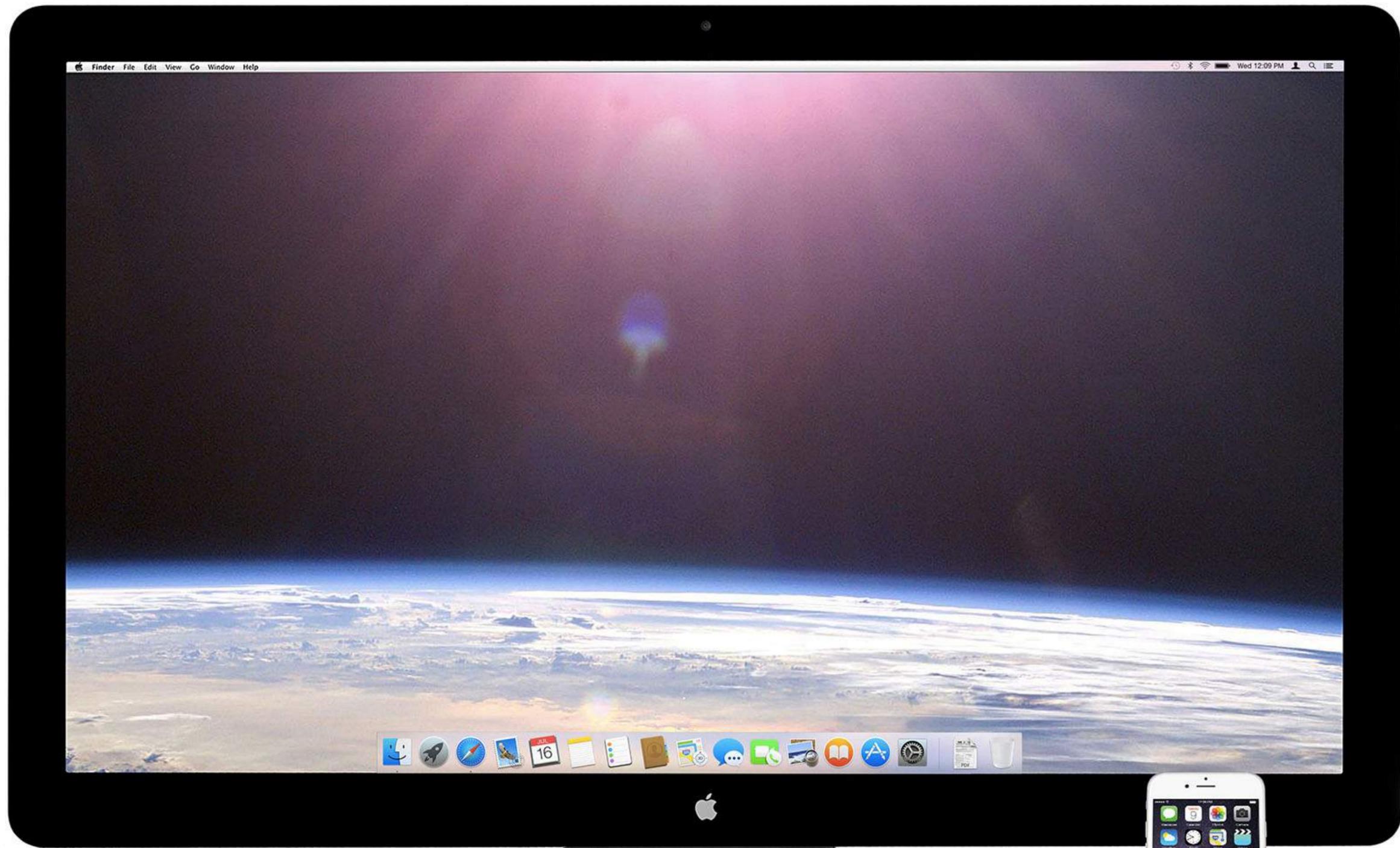
The Pelican Story

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CHAPTER 1

What We Have to Explain





Interview by Tina Easmaker
on February 27, 2015

Photography by Angela and Ithyle

Styling by Sissy Sainte-Marie
Assisted by Jillian Cainghug

Hair by Brooke Rodgers
Makeup by Gia Harris

Alison Sudol

—
ACTRESS/MUSICIAN

Alison Sudol is an LA-based musician, actress, and author. Previously known by her stage name, A Fine Frenzy, Alison's debut, *One Cell in the Sea*, was released in 2007 followed by several successful albums, international tours, and music features in films, TV, and others campaigns. In 2014, Alison expanded her repertoire to include acting and made her debut with a recurring role in Amazon's breakout hit, *Transparent*, and a starring role in USA Network's *Dig*, a show from the creators of *Homeland* and *Heroes*. Although no longer performing as A Fine Frenzy, Alison remains a prolific songwriter and musician and is currently collaborating with fellow artists and producers on a new musical project.

alisonsudol.com



Interview by Tammi Heneveld
November 10, 2015

Photo by Fred DiMeglio

Mary Kate McDevitt

ILLUSTRATOR / LETTERER

Mary Kate McDevitt is a freelance illustrator and letterer

Size Calculator

Enter any two values to calculate the third.

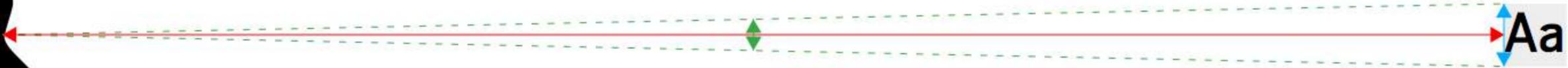
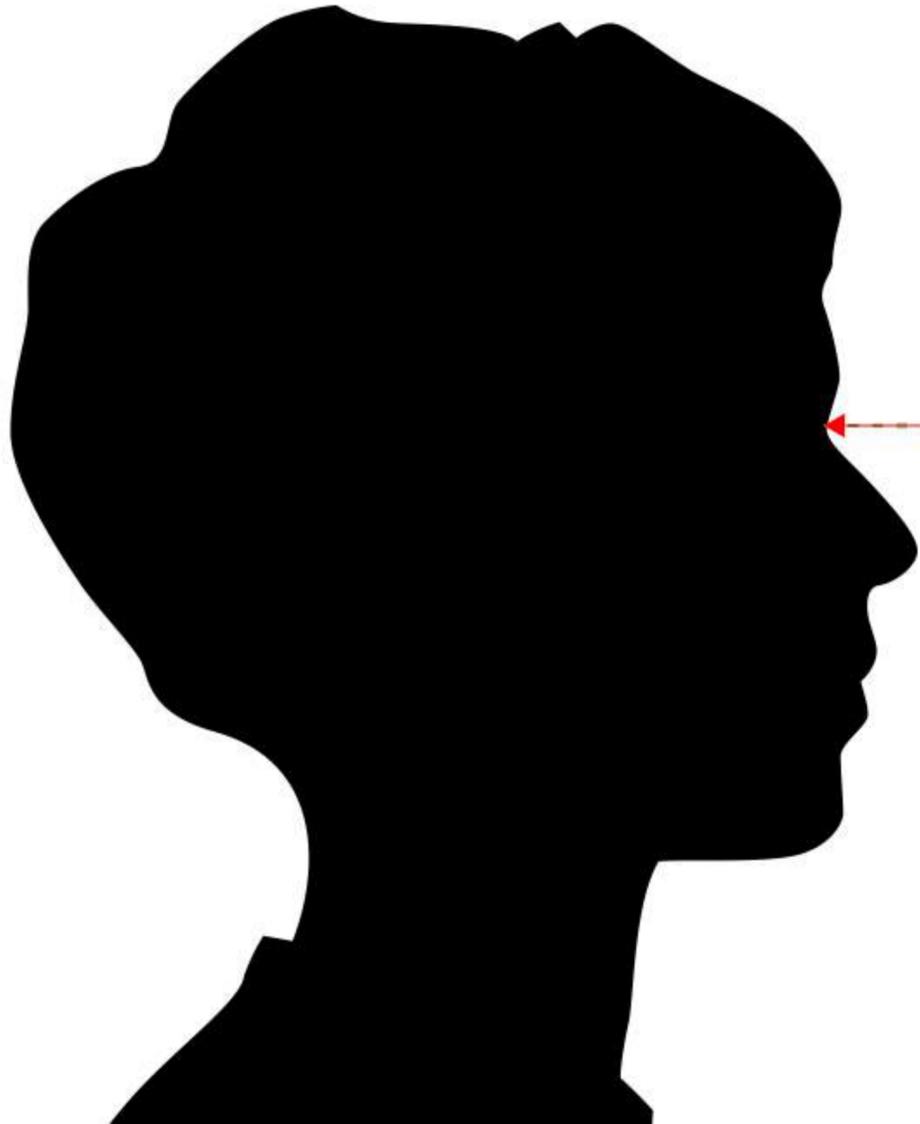
Viewing Distance



Physical Size



Perceived Size



Size Calculator

Enter any two values to calculate the third.

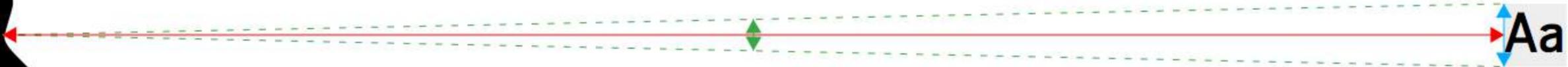
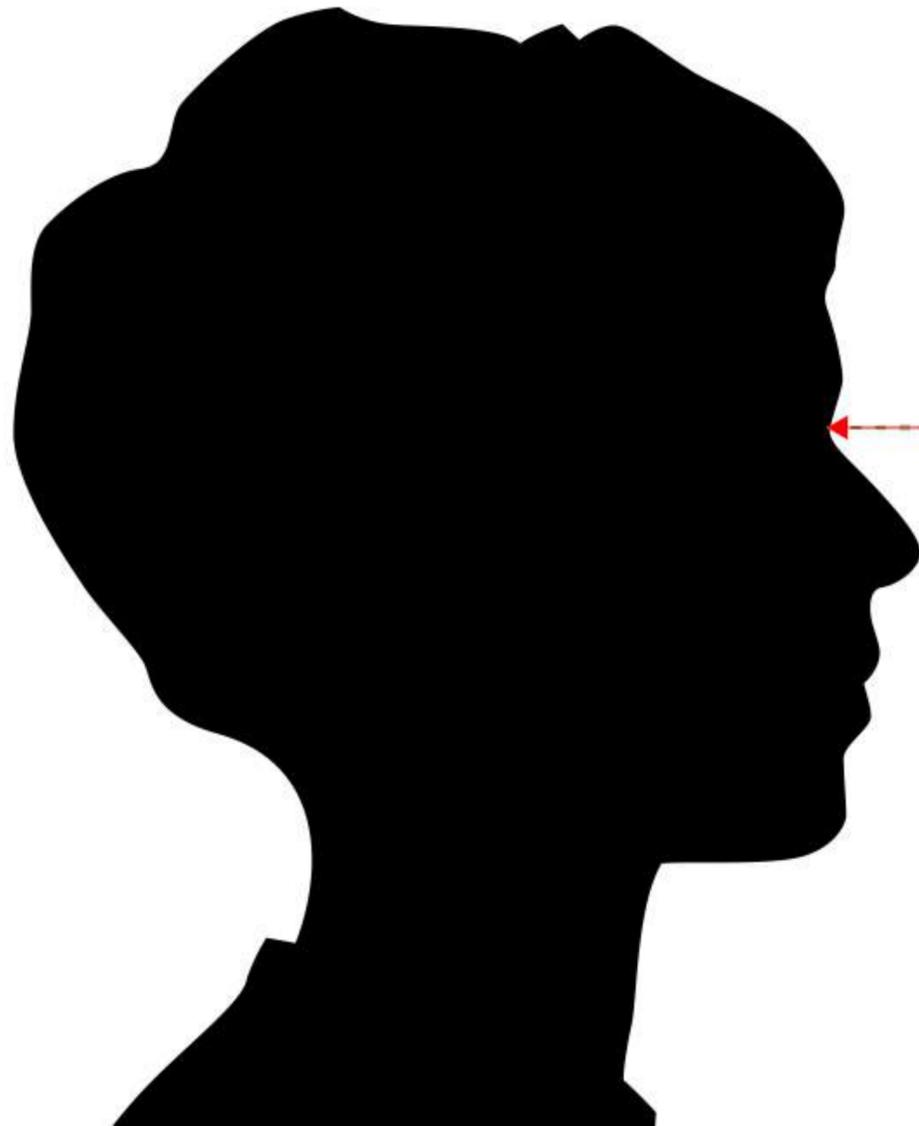
Viewing Distance



Physical Size



Perceived Size





Interview by Tammi Heneveld
November 10, 2015

Photo by Fred DiMeglio

Mary Kate McDevitt

ILLUSTRATOR / LETTERER

Size Calculator

Enter any two values to calculate the third.

Viewing Distance

centimeters



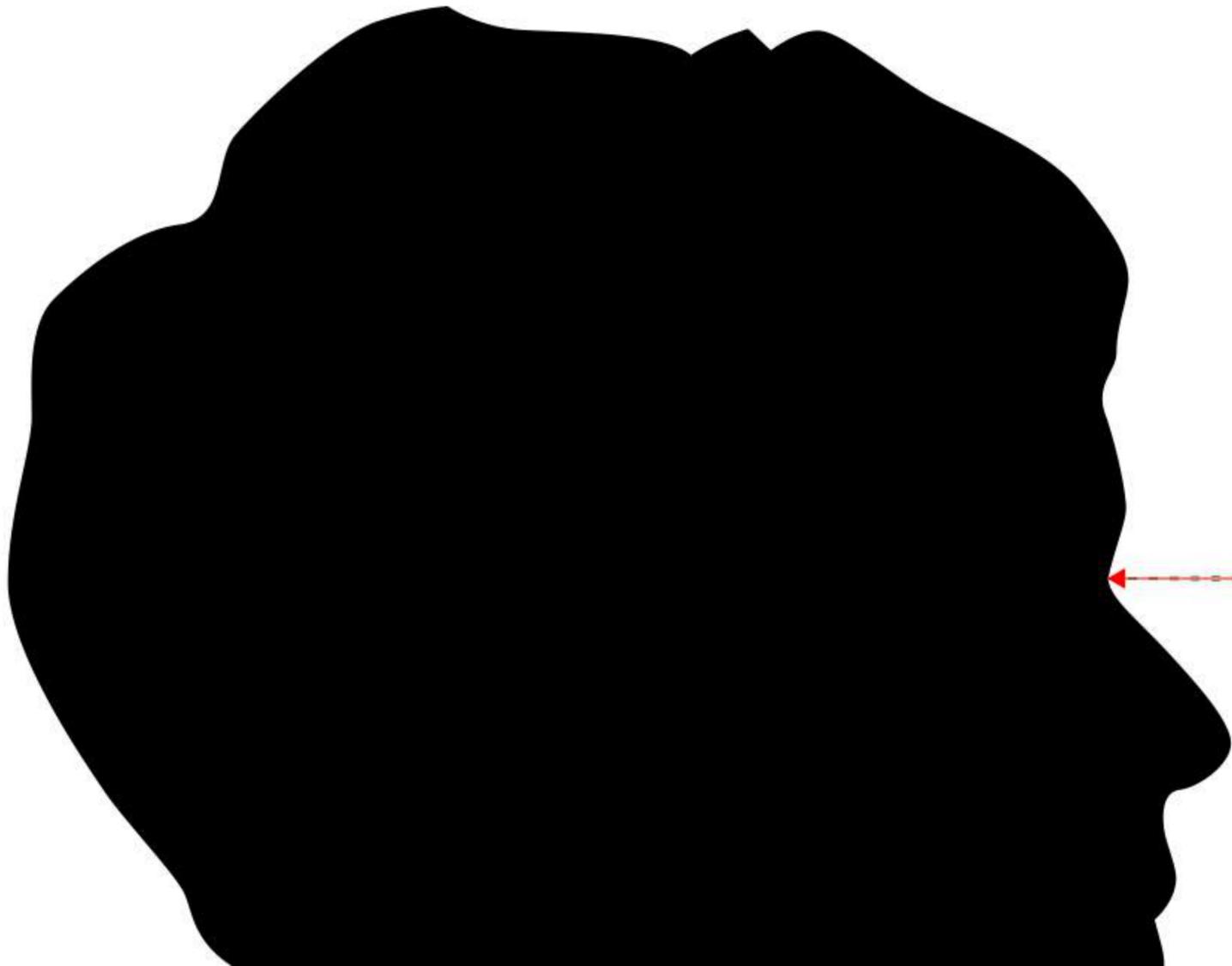
Physical Size

millimeters



Perceived Size

arcminutes



sizecalc.com

Size Calculator is a project by [Nick Sherman](#) and [Chris Lewis](#). Follow [@SizeCalculator](#) on Twitter.

Size Calculator

Enter any two values to calculate the third.

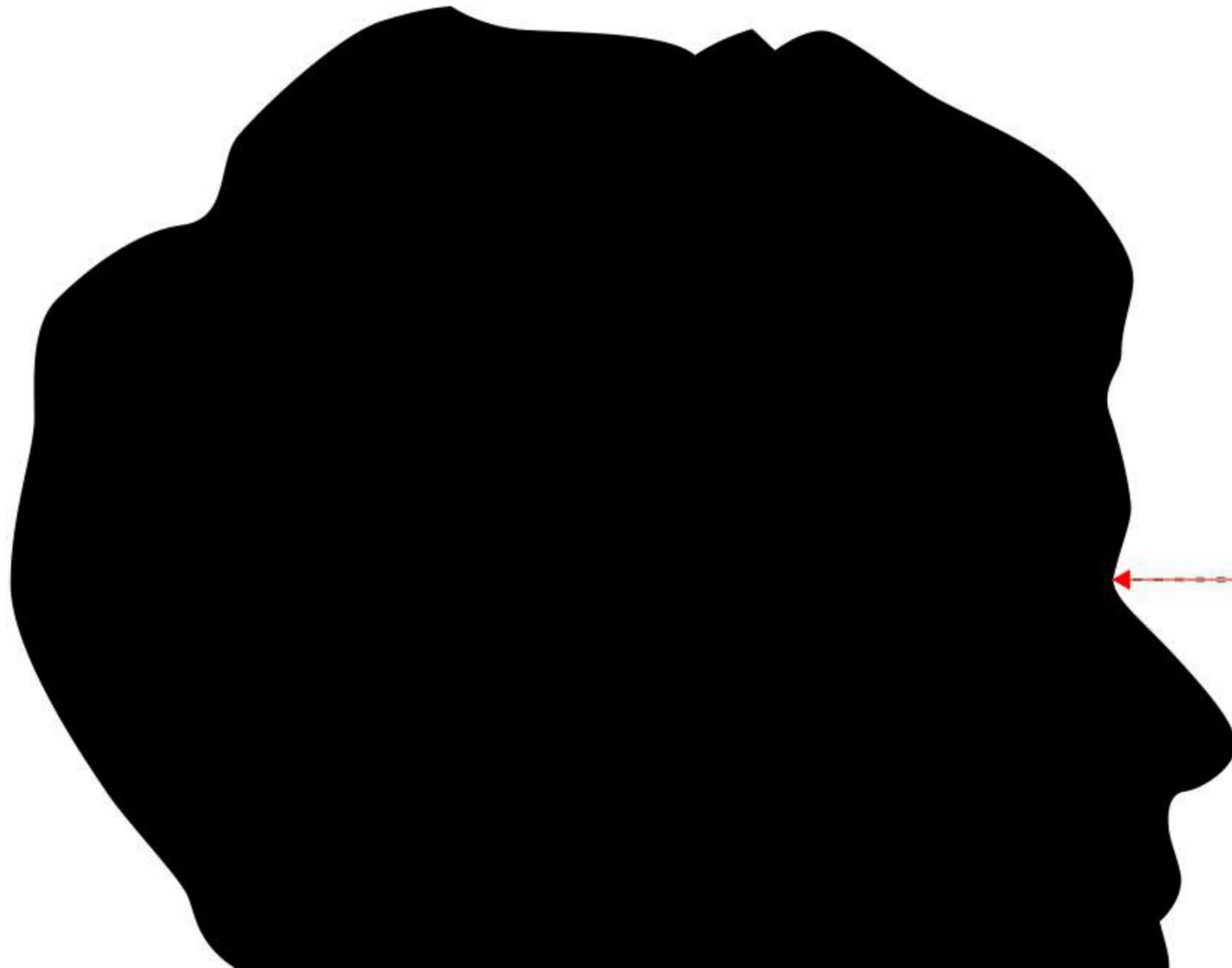
Viewing Distance



Physical Size



Perceived Size



Getting Ready

Taking picture - smile!



Getting Ready

Taking picture - smile!





“Good design is about firstly making people want to read, then about telling stories.”

Mark Porter, former Creative Director at the Guardian

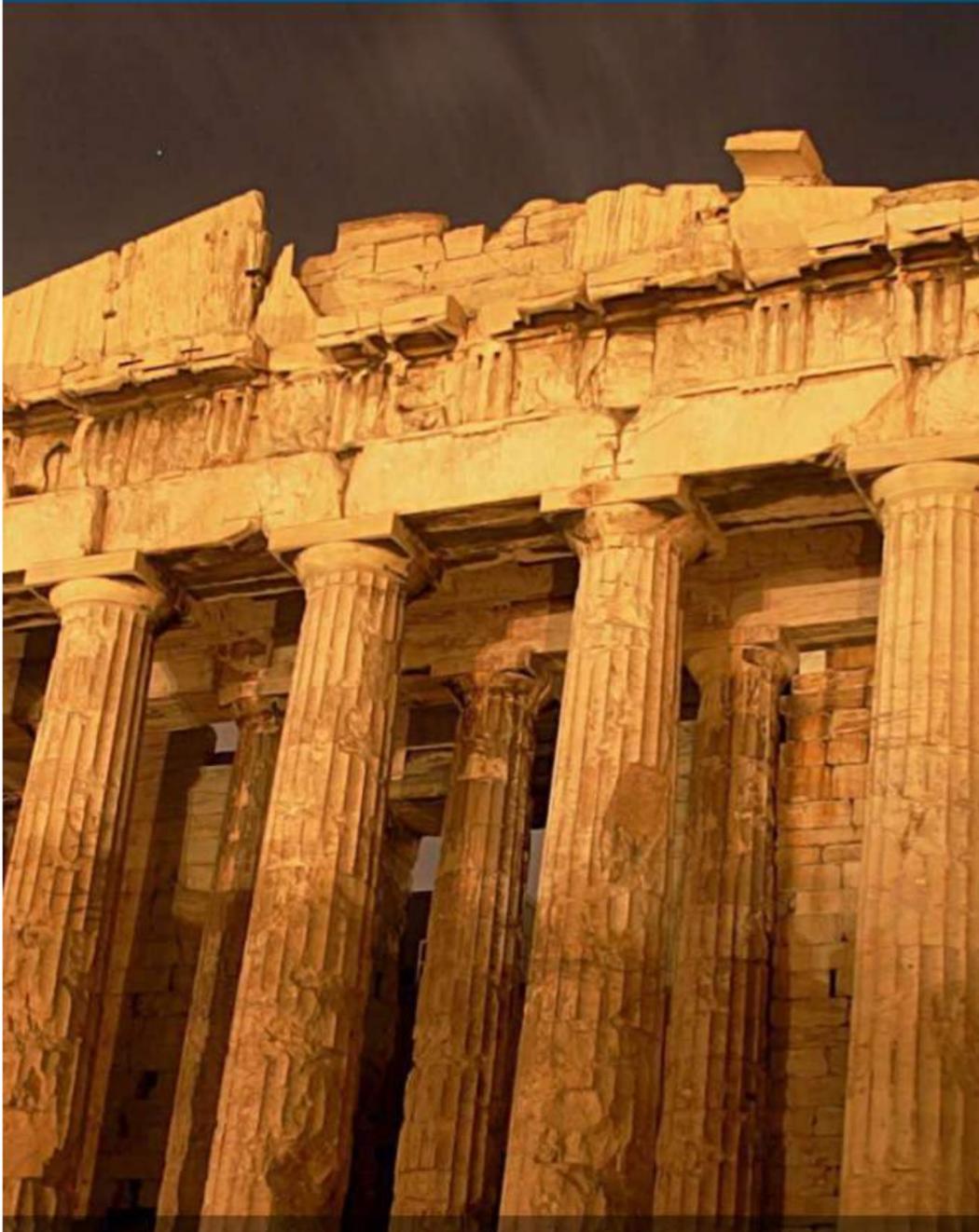


Melissa McCarthy: 'I love a woman who doesn't play by the rules'



 Your election night survival guide: what to expect as polls close

The expected timings of results, all you need to know about the key battleground states, plus drinks, eats and tunes to get you through what could be a long night



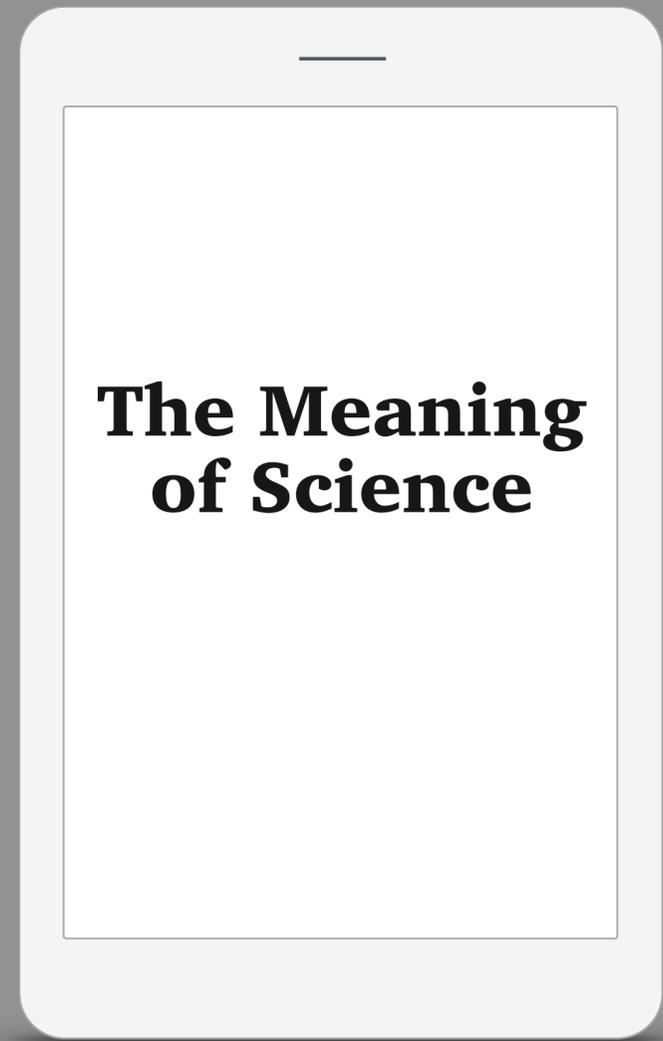
The long read

There is no such thing as western civilisation

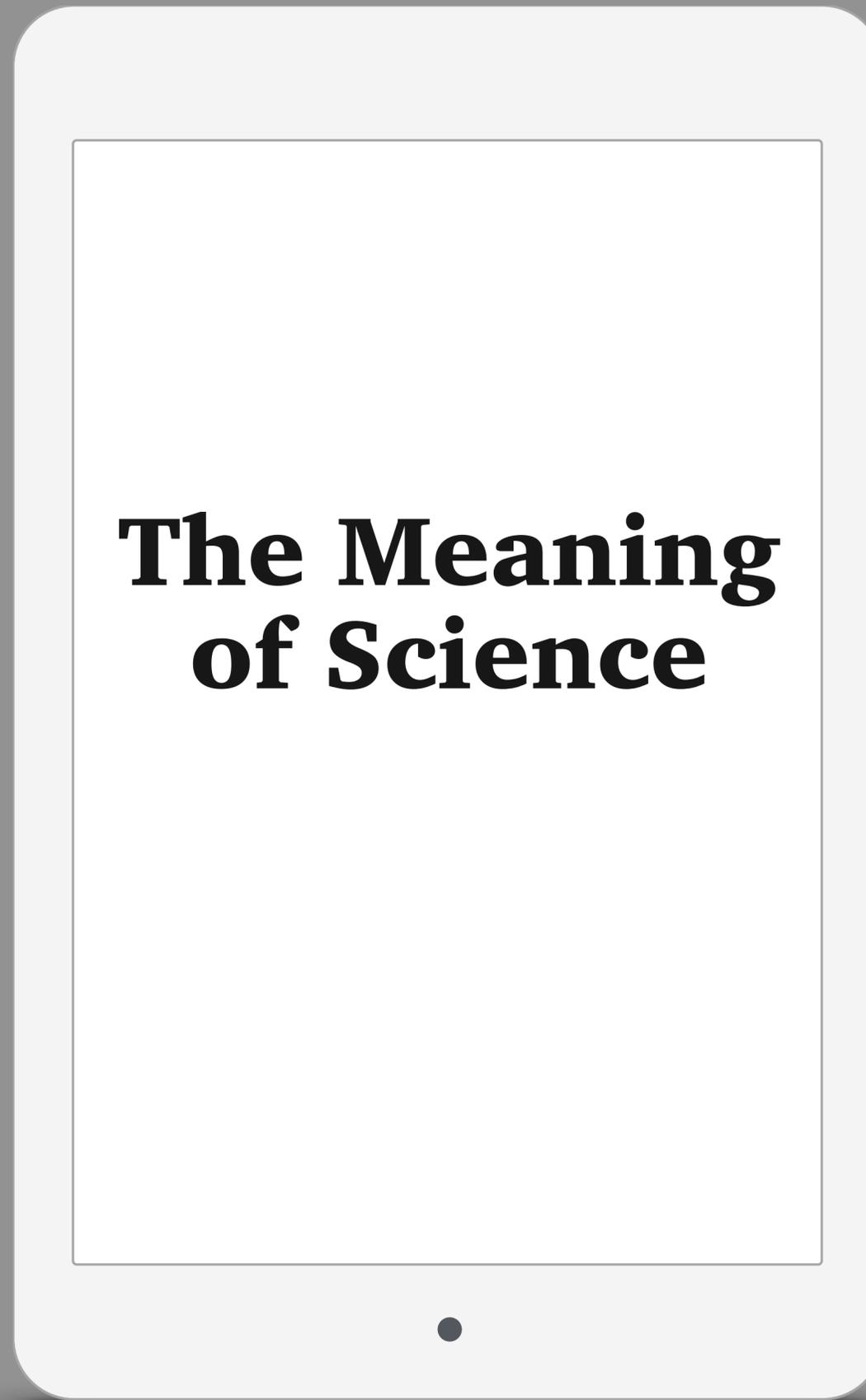
No8

**Resize display text as you
would an image**

```
h1 {  
  font-size: 13vw;  
  /* 1vw = 1% viewport width */  
}
```



**The Meaning
of Science**





**The Meaning
of Science**



**The Meaning
of Science**



**The Meaning
of Science**

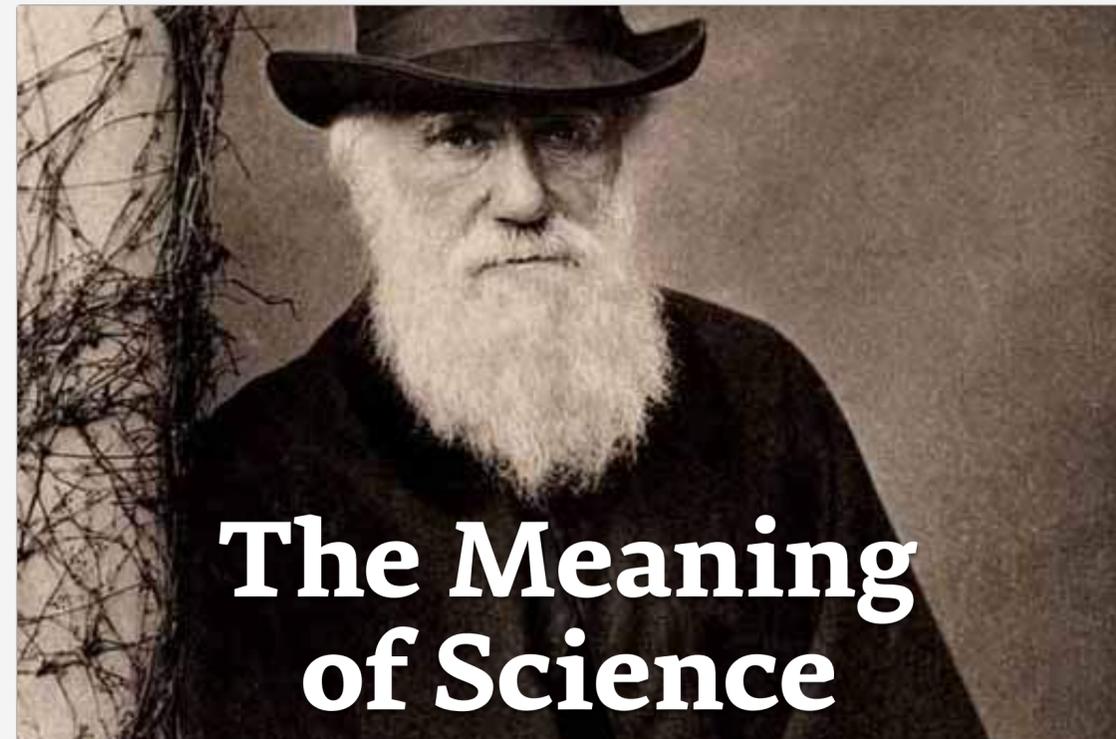
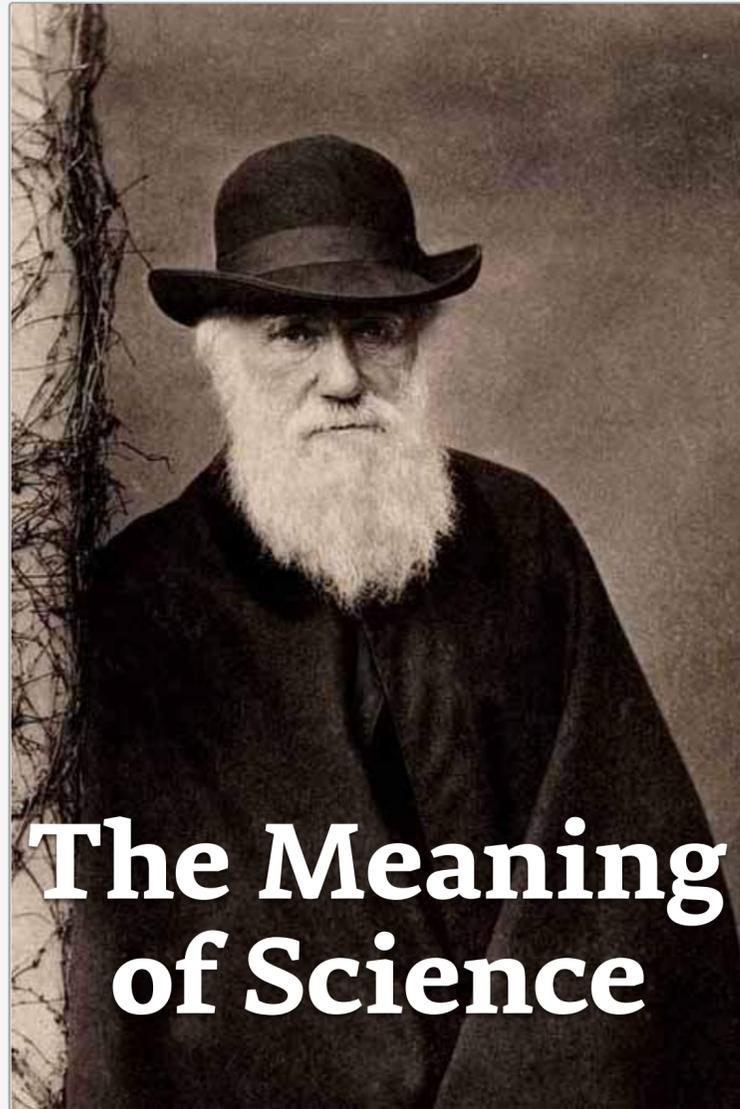


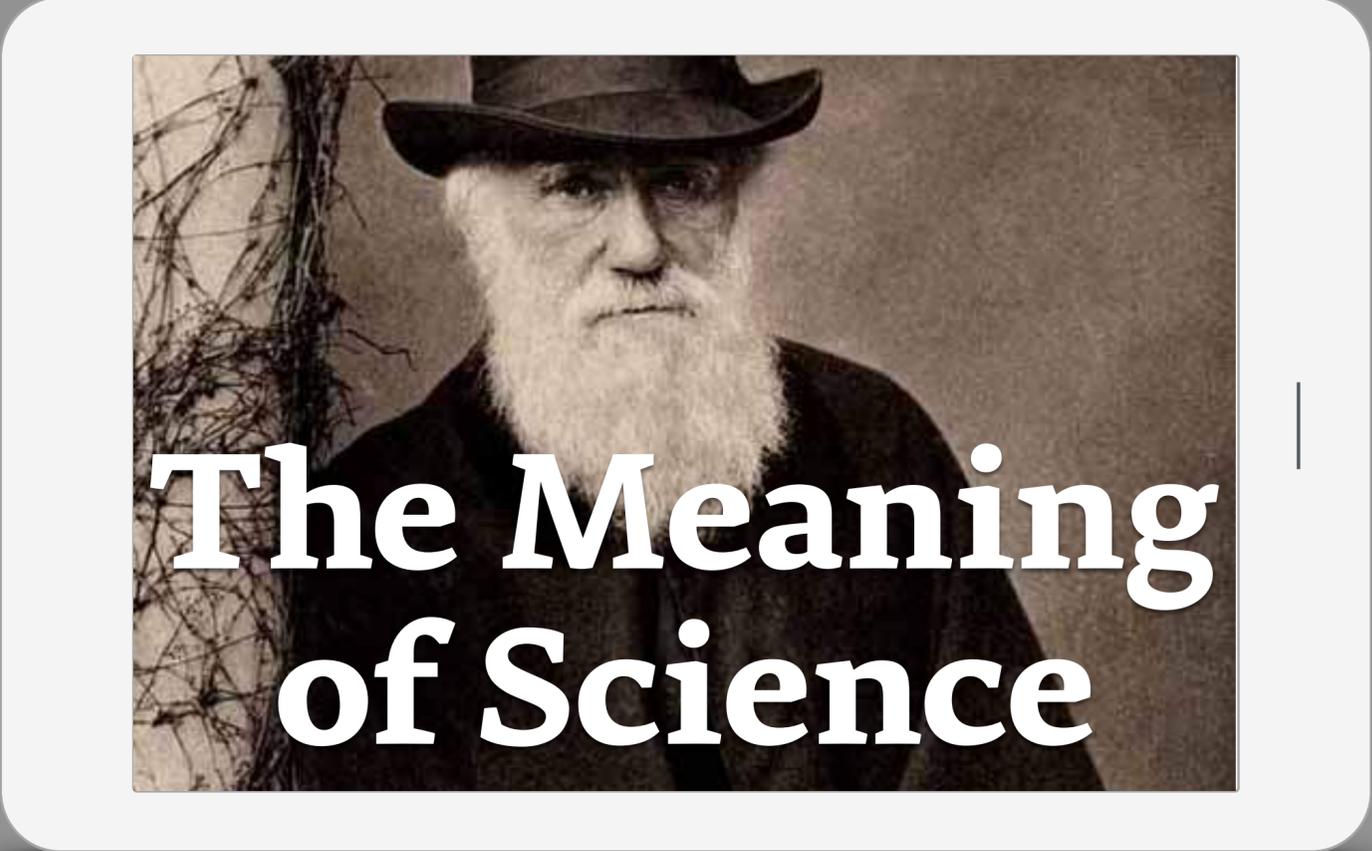
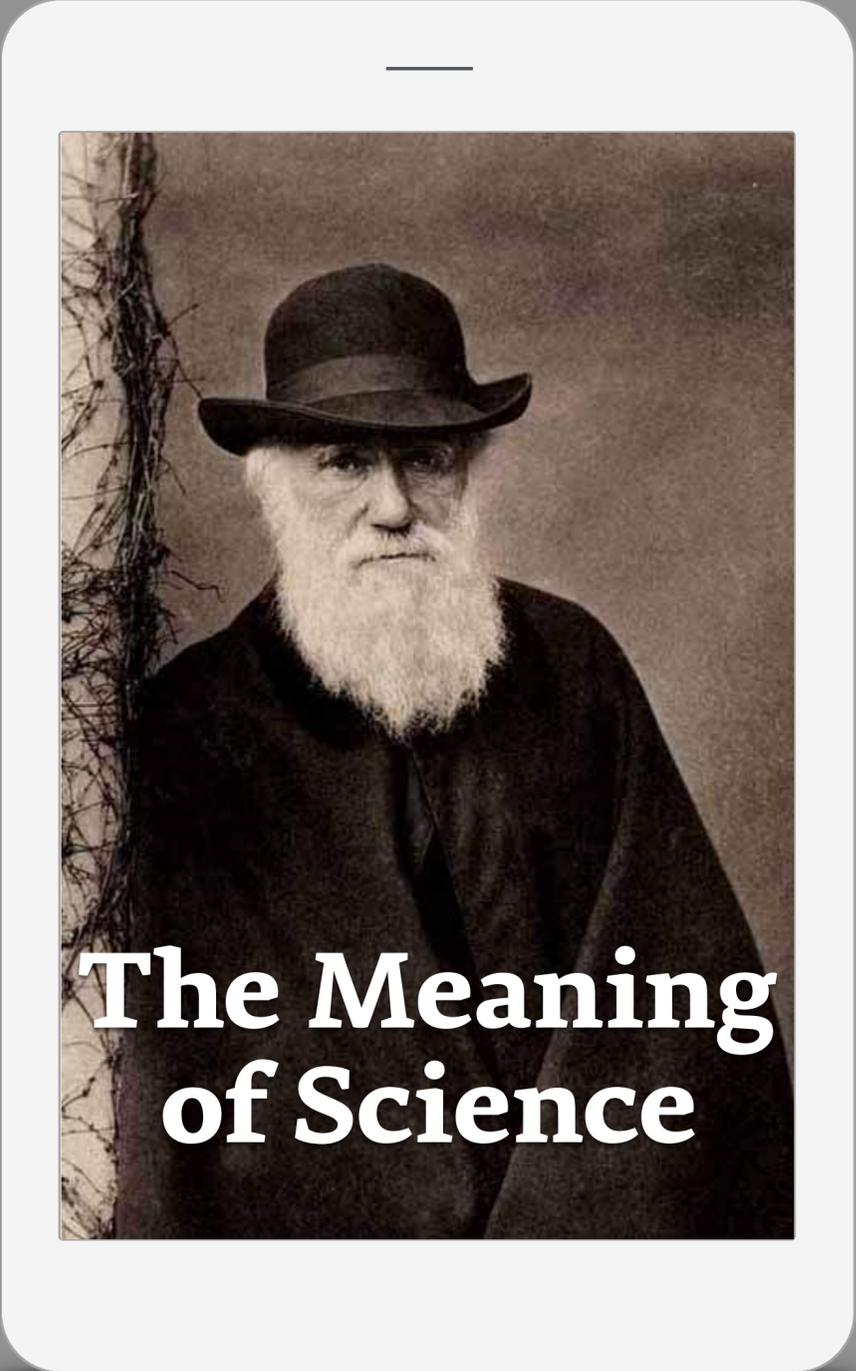
**The Meaning
of Science**



**The Meaning
of Science**

```
h1 {  
    font-size: 13vmin;  
    /* 1vmin = 1% viewport width or  
       height, whichever is smaller */  
}
```





No9

**Influence the way people feel
through type**



“Even if people are not consciously aware of the type they’re reading, they’ll certainly be affected by it.”

Tobias Frere-Jones, *Helvetica* (dir. Gary Huswitt, 2007).





TEDxBedford



TEDxBedford

You can influence
the way people feel



2-12
WEEKS

Movement feels easier because lung capacity and blood circulation has **improved**.

When you quit smoking, blood circulation in the vertebrae and back muscles increases, thus reducing the risk of back problems. The skin looks healthier, as blood flows more efficiently.



ISSUE 10

Powering Up



**CLEOPATRA
MARINA**

LOCATION

MARINA

SHIPYARD

CONTACT

**BOOK
NOW**

SHOWREEL

Your safe harbor in Greece

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www.cleopatra-marina.gr



2012 Olympics Games

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*Walk in the
Olympic Park*

**I hate obtuse
theoretical
mathematics**

I love little
fluffy kittens

**This is a story about
someone who lived in
Happyland. His name was
Mr Happy and he was
fat and round, and happy.
One day Mr Happy went
for a walk in the woods.**

No10

**Don't be reverential,
dogmatic or ordinary**



CRYSTAL GOBLET.

**“People who love ideas must have a love of words.
They will take a vivid interest in the clothes that
words wear.”**

Beatrice Warde, *The Crystal Goblet*



Fire exit
keep clear

Story of the day

24 december 2013

We tend to think that simply giving people money makes them lazy. Yet a wealth of scientific research proves the contrary: free money helps. It is time for a radical reform of the welfare state.

Why we should give free money to everyone

*the
Correspondent*

*Correspondent
Progress*



Rutger BREGMAN



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Why we should give free money to everyone

*the
Correspondent*

*Correspondent
Progress*



Rutger BREGMAN



No11

Reduce your payload

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2. [General Requirements](#)
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 - 3.2. [WOFF2 Header](#)
4. [Font directory](#)
 - 4.1. [Table directory format](#)
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 - 5.1. [Transformed glyf table format](#)
 - 5.2. [Decoding of variable-length X and Y coordinates](#)



WOFF File Format 2.0

W3C Candidate Recommendation 15 March 2016

This version:

<http://www.w3.org/TR/2016/CR-WOFF2-20160315/>

Latest version:

<http://www.w3.org/TR/WOFF2/>

Previous Version:

<http://www.w3.org/TR/2015/WD-WOFF2-20150414/>

Latest editors draft:

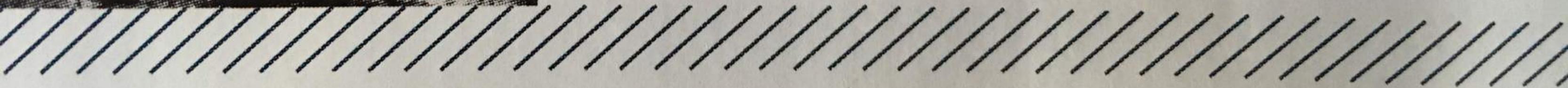
“WOFF2 provides improved compression and thus lower use of network bandwidth, while still allowing fast decompression even on mobile devices.”

WOFF File Format 2.0, *W3C Candidate Recommendation*

```
@font-face {  
  font-family: "Open Sans";  
  font-weight: 400;  
  font-style: normal;  
  src: url("OpenSans.woff2") format("woff2"),  
        url("OpenSans.woff") format("woff");  
}
```

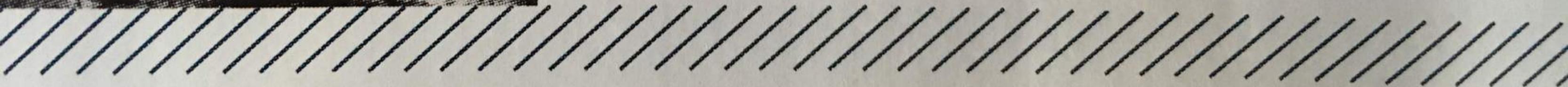


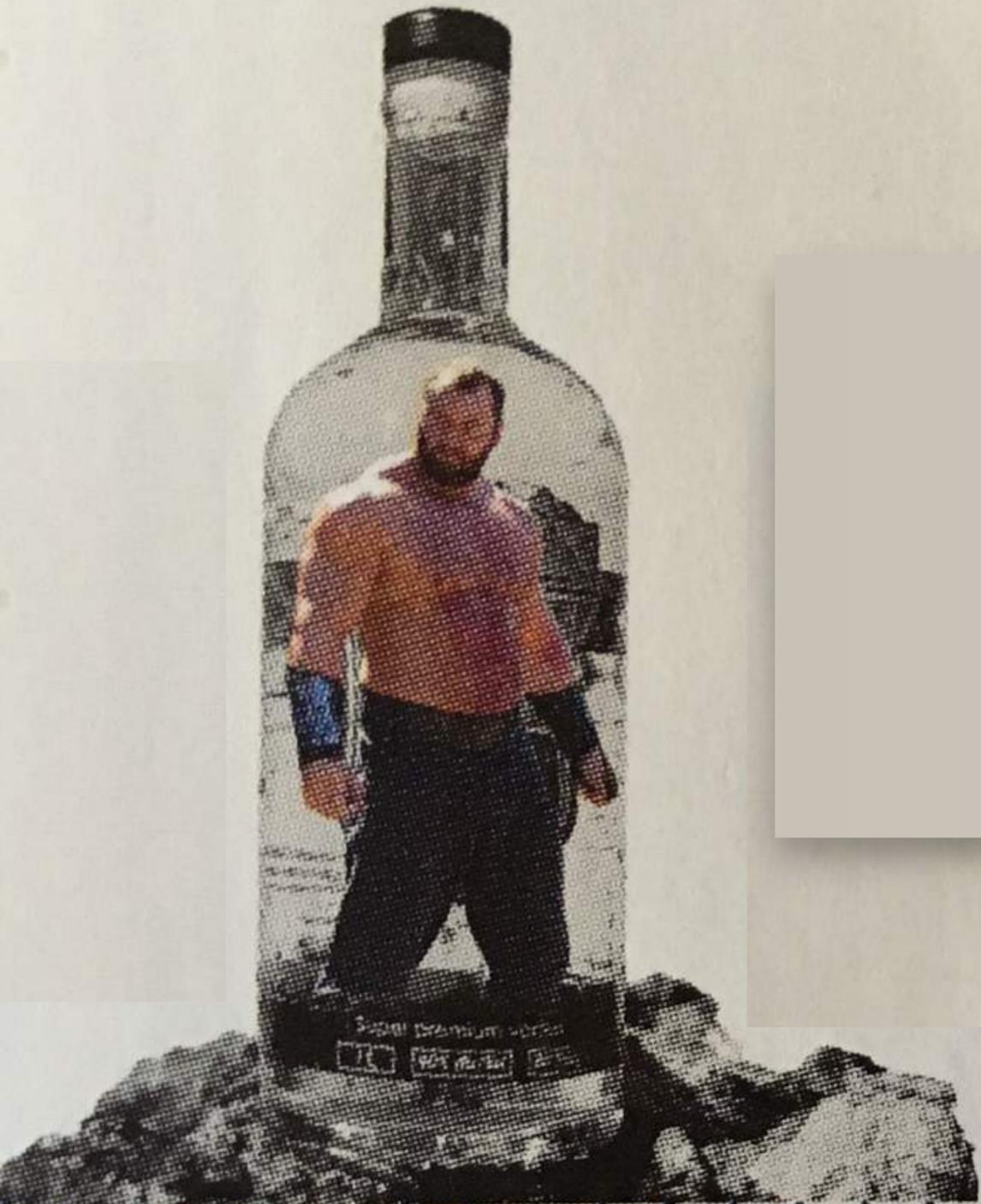
Strongman Hafþór Júlíus Björnsson is launching his own brand of vodka.



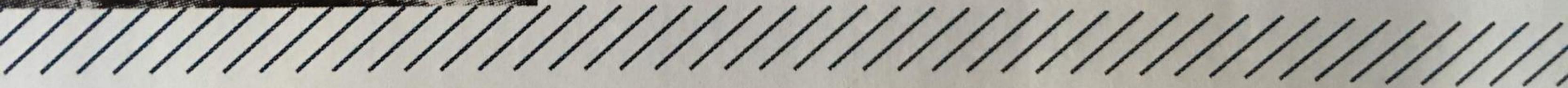


Strongman Hafþór Júlíus Björnsson is launching his own brand of vodka.





Björnsson



No12

Optimise page render timing





Explore the Red Sea

Learn to dive with our amazing scuba experiences and PADI courses. For top quality tuition in warm crystal clear seas, come to us – Renegade Divers.

Renegade Divers has been operating since 1998. We offer a range of liveaboard PADI registered diving holidays. Our main destination for PADI training is the Red Sea. We also offer the best Maldives liveaboards and other leading dive vessels in the Indian Ocean, Indonesia and the Galapagos Islands.

Learn to dive with our "Discover Scuba Diving" holidays and experience the thrill of seeing



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Learn to dive with our "Discover Scuba Diving" holidays and experience the thrill of seeing



`font-display` for the Masses



JEREMY WAGNER // AUGUST 19, 2016

<EDITOR_INTRO>

The following is a guest post by [Jeremy Wagner](#), a web developer, author, and speaker living in the Twin Cities. He's got [a new book on web performance](#). Here we're going to dig into a brand new CSS feature, that once it percolates through the browser ecosystem, will be great for performance.

</EDITOR_INTRO>



>_ job board

Easygo Gaming Solutions is hiring a React/Redux developer w/ experience in animations (CSS/Canvas)

Snakk Media Pty Limited is hiring a Creative Developer - Sydney, AUS

codeBOX, LLC is hiring a Fun Compassionate Battle Hardened Senior Web Developer

[See More Jobs](#)

[Post a Job](#)

font-display values

- swap** fallback text is shown immediately until the webfont loads
- fallback** text invisible for <100ms then shown with fallback font until webfont loads (provided that happens within 3 seconds)
- optional** like fallback but browser decides whether a webfont should be used at all (depends on connection speed)
- block** Block rendering while downloading the webfont for up to three seconds. After three seconds the fallback font will be shown. If the webfont loads afterwards, show the webfont.
- auto** browser default (usually block)

font-display values

- `swap` fallback text is shown immediately until the webfont loads
- `fallback` text invisible for <100ms then shown with fallback font until webfont loads (provided that happens within 3 seconds)
- `optional` like fallback but browser decides whether a webfont should be used at all (depends on connection speed)
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- `auto` browser default (usually `block`)

```
@font-face {  
  font-family: "Open Sans";  
  font-weight: 400;  
  font-style: normal;  
  src: url("OpenSans.woff2") format("woff2"),  
        url("OpenSans.woff") format("woff");  
  font-display: fallback;  
}
```

Preload the critical font

```
<head>  
<link rel="preload" href="nicefont.woff2" as="font"  
      type="font/woff2" crossorigin>  
...  
</head>
```

Font Loading Revisited with Font Events

Posted by [Scott](#) on 02/16/2015

Last month [we wrote about an approach](#) we'd been using to load web fonts in a more responsible manner than browsers tend to do by default. The purpose of the

“One way we can regain control over the loading behavior is to use font load events.”

Filament Group, *Font Loading Revisited with Font Events*
www.filamentgroup.com/lab/font-events.html

No13

Learn to use variable fonts

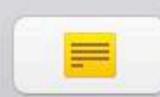
G G G G G G
G G G G G G
G G G G G G
G G G G G G
G G G G G G
G G G G G G

G G G G G G
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G G G G G G

G G G G G G
G G G G G G
G G G **G** G G G
G G G G G G
G G G G G G
G G G G G G

G G G G G G
G G G G G G
G G G G G G
G G G G G G
G G G G G G
G G G G G G

G G G G G G
G G G G G G
G G G G G G
G G G G G G
G G G G G G
G G G G G G



Table

Chart

Text

Shape

Media

Comment

Collaborate

Format

Animate

Document

Style

Text

Arrange

Paragraph*

Update

Style

Layout

Font

Avenir Next Variable

Avenir Next Variable
Medium Condensed instance

Text

16 pt

✓ Regular

Medium

Bold

Heavy

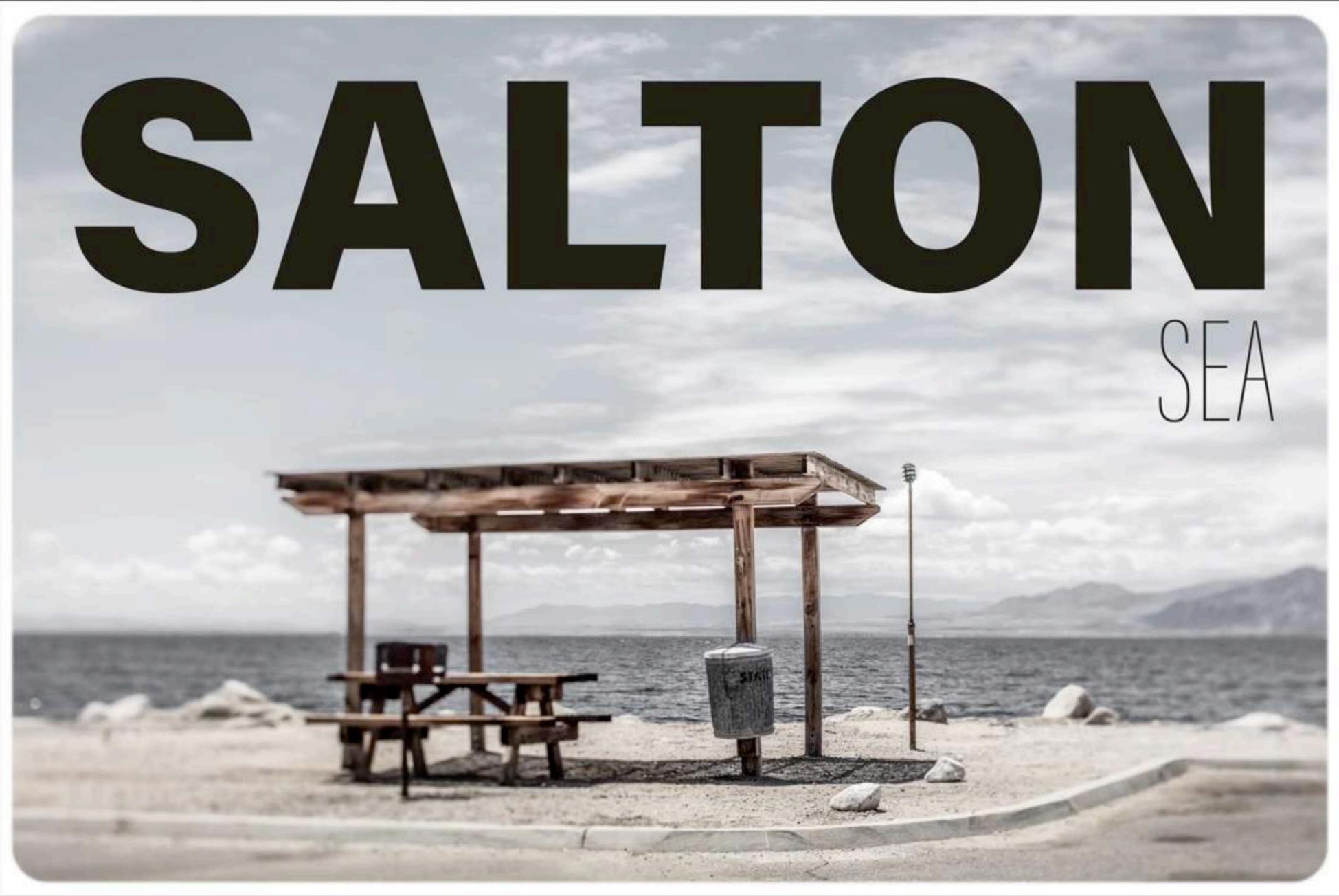
Condensed

Medium Condensed

Bold Condensed

Heavy Condensed

Spacing



Properties
Type Layer Properties

W: 1.68 in H: 2.34 in
X: 16.16 in Y: 4.06 in

Acumin Variable Concept
ExtraCondensed Thin

151.16 pt VA 0
(Auto)

Color: [Black]

Weight ▲ +100
Width ▲ +50
Slant ▲ 0
Advanced...

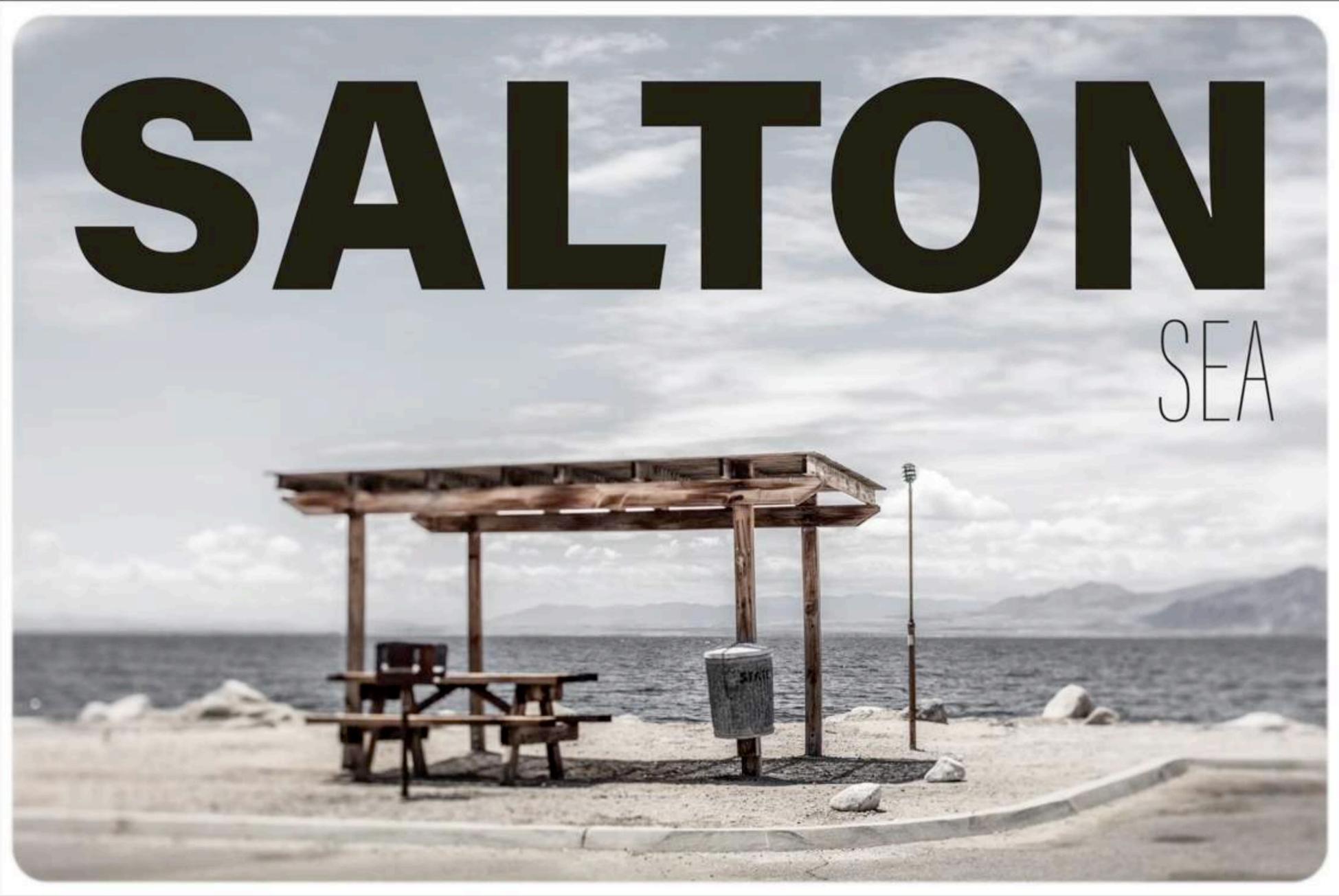
Layers

Kind [Image] [Type] [Shape] [Text] [Smart Object] [Layer Mask]

Normal Opacity: 100%

Lock: [Checked] [Checked] [Checked] [Checked] Fill: 100%

- [Image] Rounded Rectangle 1
- [Folder] Group 1
 - [Text] \$
 - [Text] SALTON
 - [Text] SEA
- [Image] Layer 4
- [Image] Layer 7



Properties

Type Layer Properties

W: 1.68 in H: 2.34 in
X: 16.16 in Y: 4.06 in

Acumin Variable Concept

ExtraCondensed Thin

151.16 pt VA 0

(Auto)

Color: [Black]

Weight +100
Width +50
Slant 0

Advanced...

Layers

Kind Normal Opacity: 100% Lock: Fill: 100%

- Rounded Rectangle 1
- Group 1
 - T \$
 - T SALTON
 - T SEA
- Layer 4
- Layer 7



Properties

Type Layer Properties

W: 2.76 in H: 2.04 in
X: 15.08 in Y: 4.06 in

Acumin Variable Concept
Condensed

151.16 pt VA 0

(Auto)

Color: [Black]

Weight: +400
Width: +67
Slant: 0
Advanced...

Layers

Kind: [Image] Opacity: 100%
Lock: [Checked] Fill: 100%

- Rounded Rectangle 1
- Group 1
 - T \$
 - T SALTON
 - T SEA
- Layer 4
- Layer 7



Properties

Type Layer Properties

W: 2.76 in H: 2.34 in
X: 15.08 in Y: 4.06 in

Acumin Variable Concept

Condensed

151.16 pt VA 0

(Auto)

Color:

Weight +400

Width +67

Slant 0

Advanced...

Pre-defined axes of variation

Pre-defined axes of variation

weight

width

italic

slant

optical size

Pre-defined axes of variation

weight *wght*

width *wdth*

italic *ital*

slant *slnt*

optical size *opsz*

Pre-defined axes of variation

weight *wght* font-weight

width *wdth* font-stretch

italic *ital* font-style

slant *slnt* font-style

optical size *opsz* font-optical-sizing

Pre-defined axes of variation

| | | | |
|---------------------|-------------|----------------------------------|--|
| weight | <i>wght</i> | <code>font-weight</code> | any integer from 1–999 |
| width | <i>wdth</i> | <code>font-stretch</code> | 100% is predefined as normal 50% as ultra-condensed 200% as ultra-expanded |
| italic | <i>ital</i> | <code>font-style</code> | <code>italic</code> |
| slant | <i>slnt</i> | <code>font-style</code> | angle value oblique -90deg to oblique 90deg |
| optical size | <i>opsz</i> | <code>font-optical-sizing</code> | <code>auto</code> |

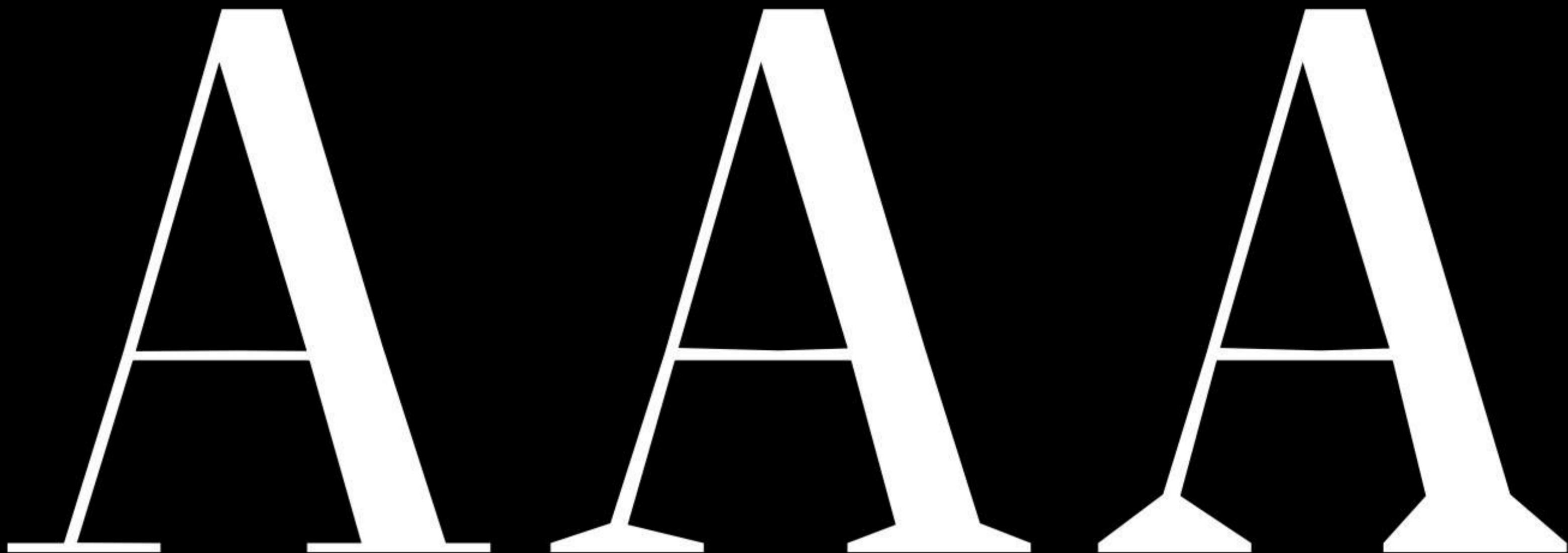
Explore the Ocean

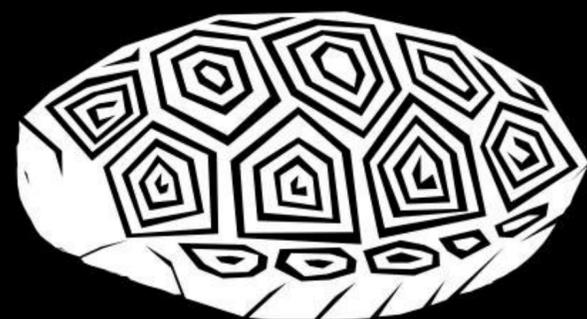
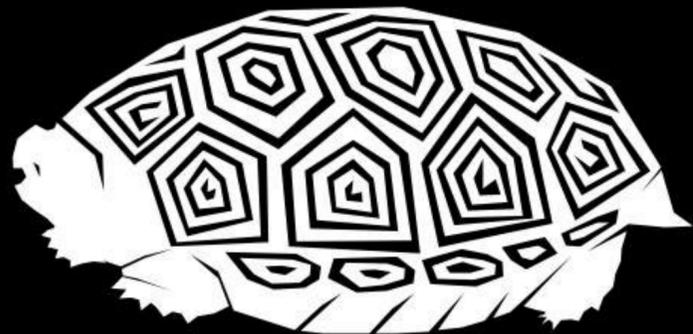
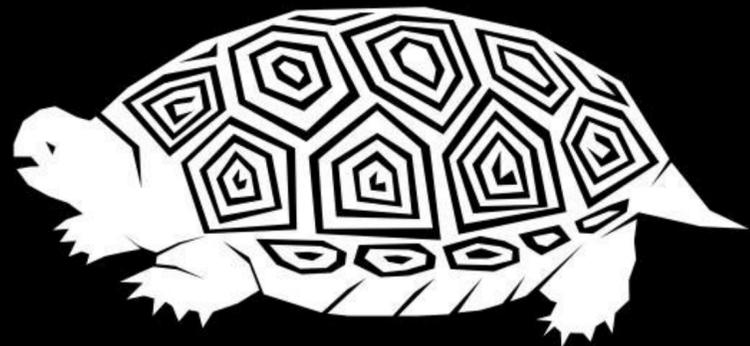
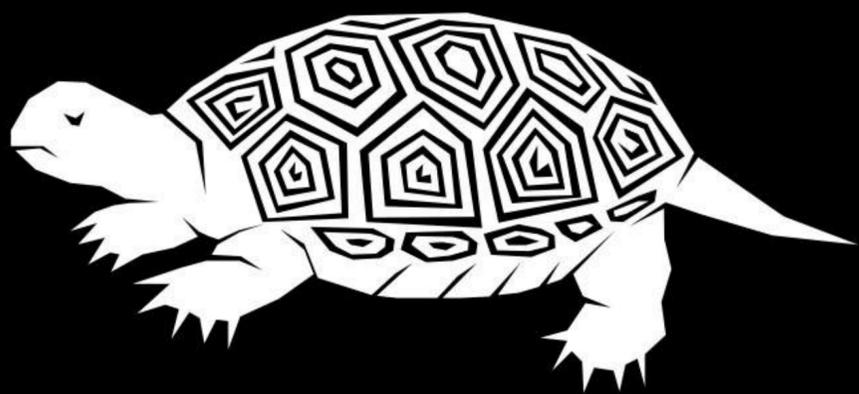
Renegade Divers has been operating since 1998. We offer a range of liveaboard PADI registered diving holidays. Our main destination for PADI training is the Red Sea. We also offer the best Maldives liveaboards and other leading dive vessels in the Indian Ocean, Indonesia and the Galapagos Islands.

Explore the Ocean

Renegade Divers has been operating since 1998. We offer a range of liveaboard PADI registered diving holidays. Our main destination for PADI training is the Red Sea. We also offer the best Maldives liveaboards and other leading dive vessels in the Indian Ocean, Indonesia and the Galapagos Islands.

An An An An An





font-variation-settings

```
font-variation-settings: 'ytse' 24
```

font-variation-settings

```
font-variation-settings: 'ytse' 24
```

```
font-variation-settings: 'wght' 100, 'wdth' 400, 'opsz' 20
```



```
@font-face {  
  font-family: 'Nicefont';  
  src: url('nicefont_var.woff2') format('woff-variations'),  
        url('nicefont_regular.woff2') format('woff2');  
  font-weight: normal;  
  font-style: normal;  
}
```

```
@font-face {
  font-family: 'Nicefont';
  src: url('nicefont_var.woff2') format('woff-variations'),
       url('nicefont_regular.woff2') format('woff2');
  font-weight: normal;
  font-style: normal;
}
```

```
@font-face {
  font-family: 'Nicefont';
  src: url('nicefont_var.woff2') format('woff-variations'),
       url('nicefont_black.woff2') format('woff2');
  font-weight: 800;
  font-style: normal;
}
```

Introduction

MY SPECIMENS

Old Default

SPECIMENS

- 文鼎晶熙黑
- 晶熙ゴシック体
- Amstelvar
- Avenir Next
- BitCount
- Buffalo Gal
- Decovar
- DIN 2014
- Dunbar
- Fit
- Gingham
- Grade
- Jam

Axis-Praxis is a website for playing with OpenType Variable Fonts

Discover 30+ variable fonts. Experiment with the typographic controls in the right panel on this default layout, or choose a typeface specimen from the left column. Every textbox is fully editable: change font, font size, alignment, line-spacing as well as the variation sliders. And type your own text, of course.



Font makers can try out their own variable fonts. Just drag any variable TTF to the right panel, the current textbox gets set to that font, and its axes show up right away in the Font Variation section.

TEXTBOX

Textbox

Font ⓘ



Font size

Line-height

Alignment

FONT VARIATION ↺ ↻

Instance

Weight 860.84 ↺

Optical Size 20 ↺

COLOUR

13 Golden Rules for Typography on the Web

1. Learn to relinquish control
2. Don't trust computers
3. Use the default font size for paragraph text
4. Adjust type size according to reading distance
5. Adjust the font size if the typeface requires it
6. Set tables to be read
7. Set text at display sizes, even on small screens
8. Resize display text as you would an image
9. Influence the way people feel through type
10. Don't be reverential, dogmatic or ordinary
11. Reduce your payload
12. Optimise page render timing
13. Learn to Use Variable Fonts

Web Typography

A handbook for designing beautiful and
effective responsive typography

Richard Rutter



Web Typography

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Web Typography

A handbook for designing beautiful and
effective responsive typography

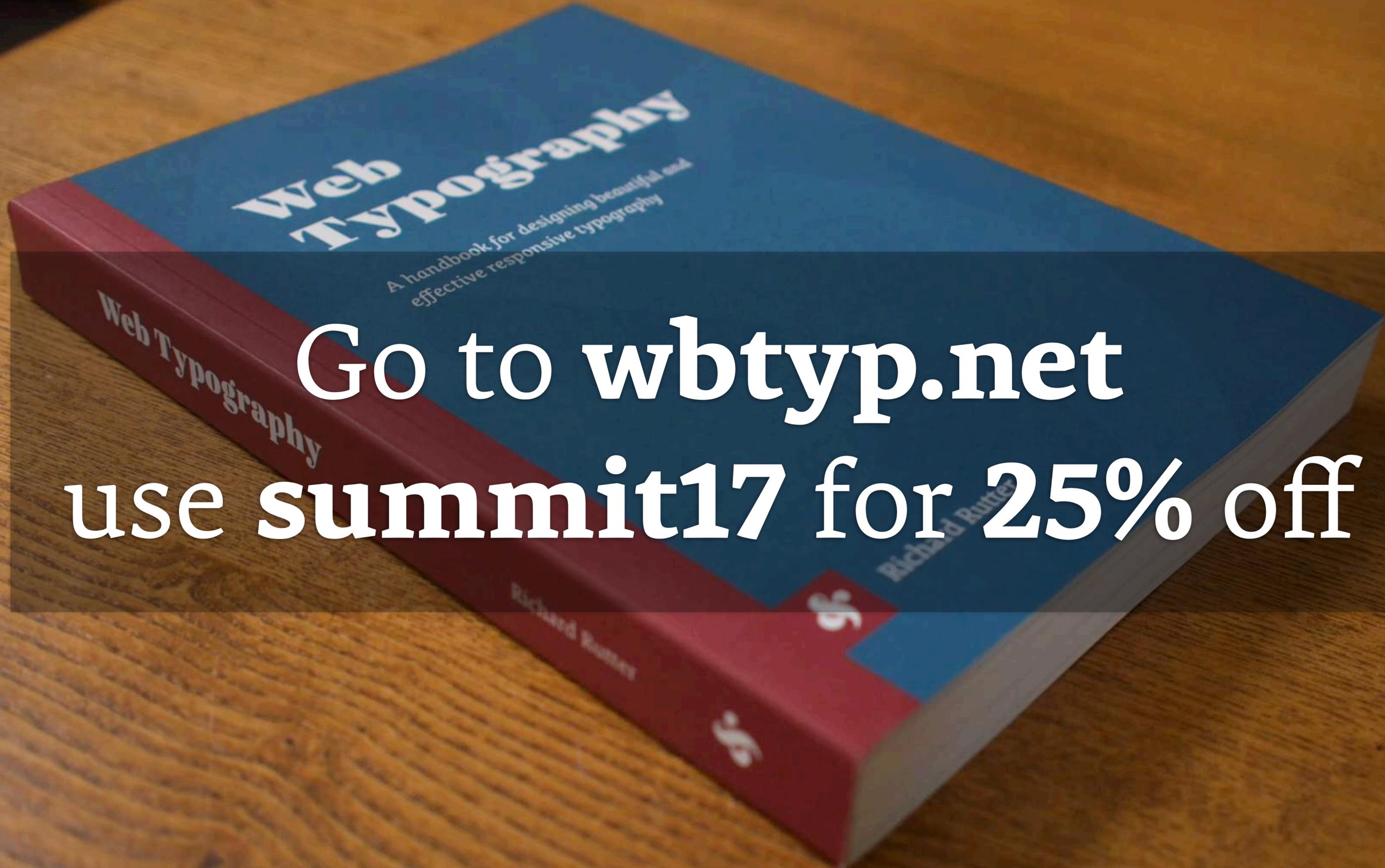
Web Typography

Richard Rutter



Richard Rutter





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Typography**

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Richard Rutter, Clearleft

@clagnut

@webtypography