

Declarative Design

imperative

programming

declarative



Information Management: A Proposal

Information Management: A Proposal

Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext sytstem.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project

The principle of least power

"Choose the least powerful language suitable for a given purpose."

The principle of least power

```
h1.font.size = 24pt 100%
h2.font.size = 20pt 40%
```

influence

user stylesheets

Oprefers-...

JavaScript

Java Script

Java Script

imperative

programming

declarative

imperative

mindset

declarative

button

```
<div
  tabindex={0}
  onClick={onClickButtonHandler}
  onKeyDown={onKeyDownHandler}
  onKeyUp={onKeyUpHandler}
  role="button"
  example
</div>
function isDisabled(eventTarget) {
  const ariaDisabled = eventTarget.getAttribute("aria-disabled");
  const isDisabled = ariaDisabled === "" || ariaDisabled === "true";
  return isDisabled;
function onKeyDownHandler(event) {
 if (event.key === " ") {
    // We have to disable default space behavior which is scrolling page down.
    event.preventDefault();
 if (event.key === "Enter" && !isDisabled(event.target)) {
    onClickButtonHandler();
function onKeyUpHandler(event) {
  if (event.key ==== " " && !isDisabled(event.target)) {
    onClickButtonHandler();
```

```
<div
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  onKeyUp={onKeyUpHandler}
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```

<button>
 example
</button>

"JavaScript should only do what only JavaScript can do."

```
<div
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 onKeyDown={onKeyDownHandler}
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   onClickButtonHandler();
```

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CONTIO

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examble </br>

```
button {
  font-size: 16px;
  padding-left: 16px;
}
```

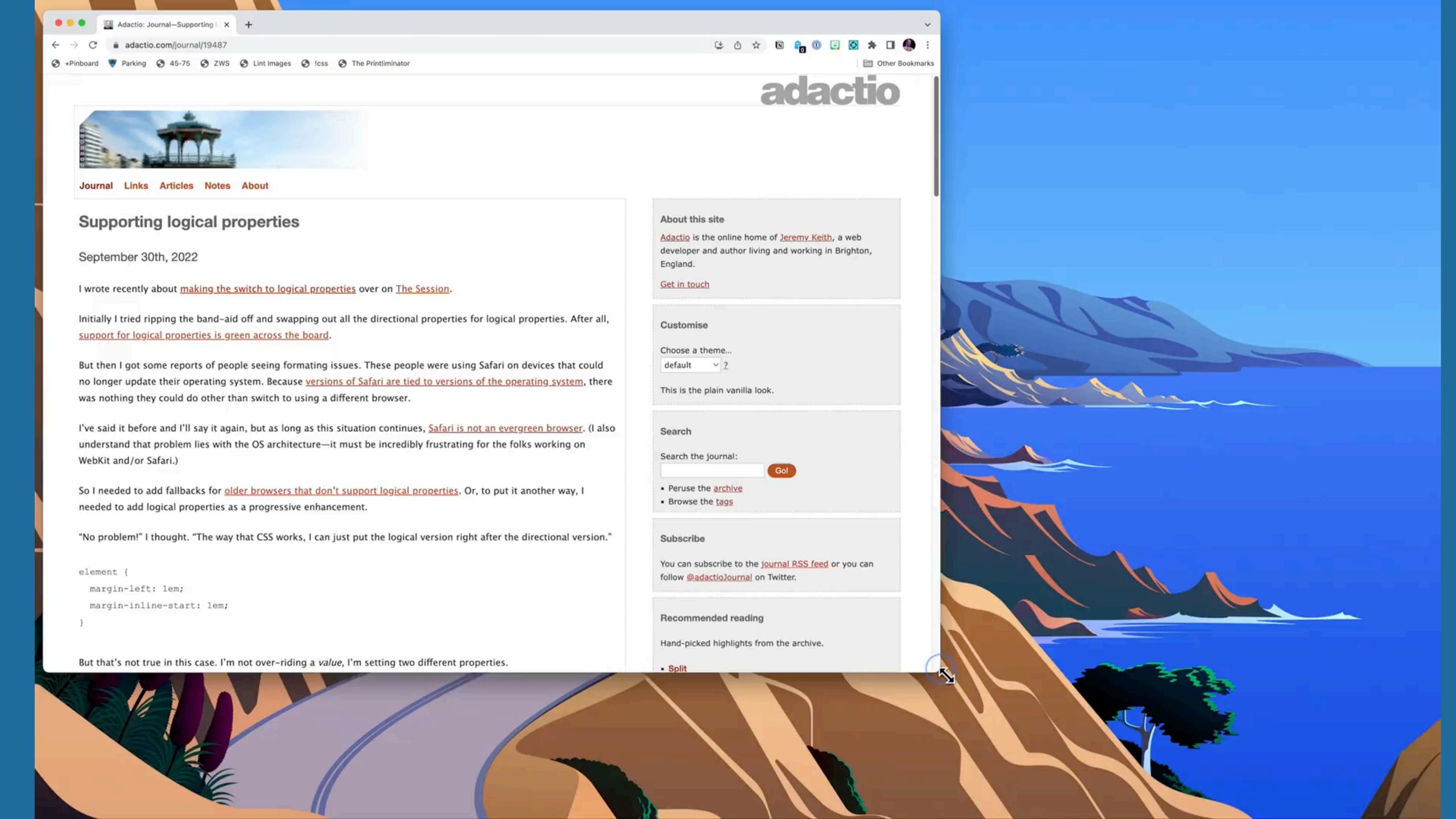
```
button {
  font-size: 1rem;
  padding-left: 1rem;
}
```

```
button {
  font-size: 1rem;
  padding-inline-start: 1rem;
}
```

```
button {
  font-size: calc(0.5rem + 0.666vw);
  padding-inline-start: 1em;
}
```

```
button {
 font-size: clamp(
  1rem,
  0.5rem + 0.666vw,
  1.5rem
 padding-inline-start: 1em;
```

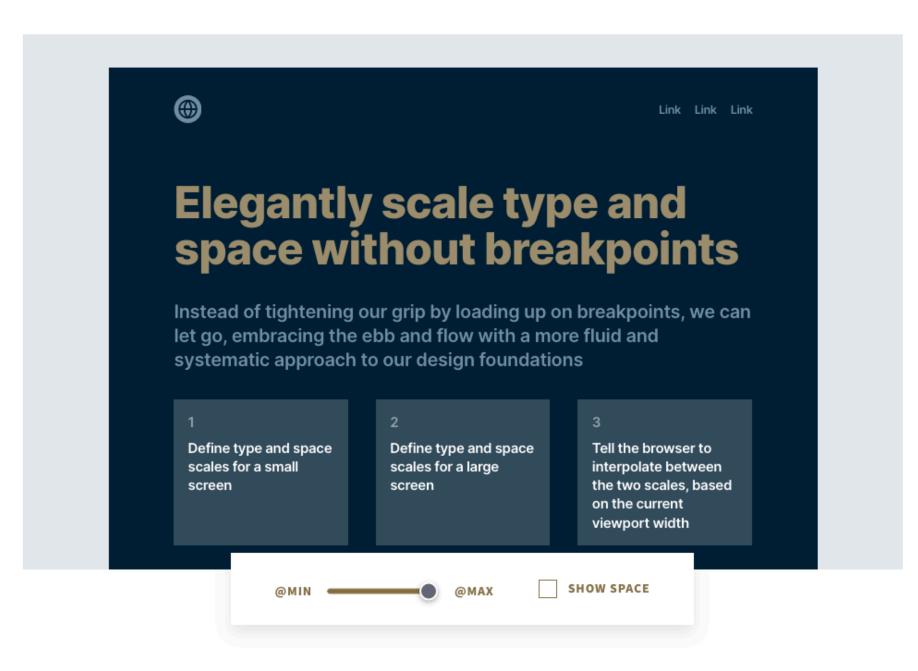
```
body {
font-size: clamp(
  1rem,
  0.5rem + 0.666vw,
  1.5rem
```



utopia.fyi



Type calculator Space calculator Blog Showcase



Utopia emerges when designers and developers share a systematic approach to fluidity in responsive design. Instead of designing for x number of arbitrary breakpoints, we can design a system within which elements scale proportionally and fluidly. This can help you to:

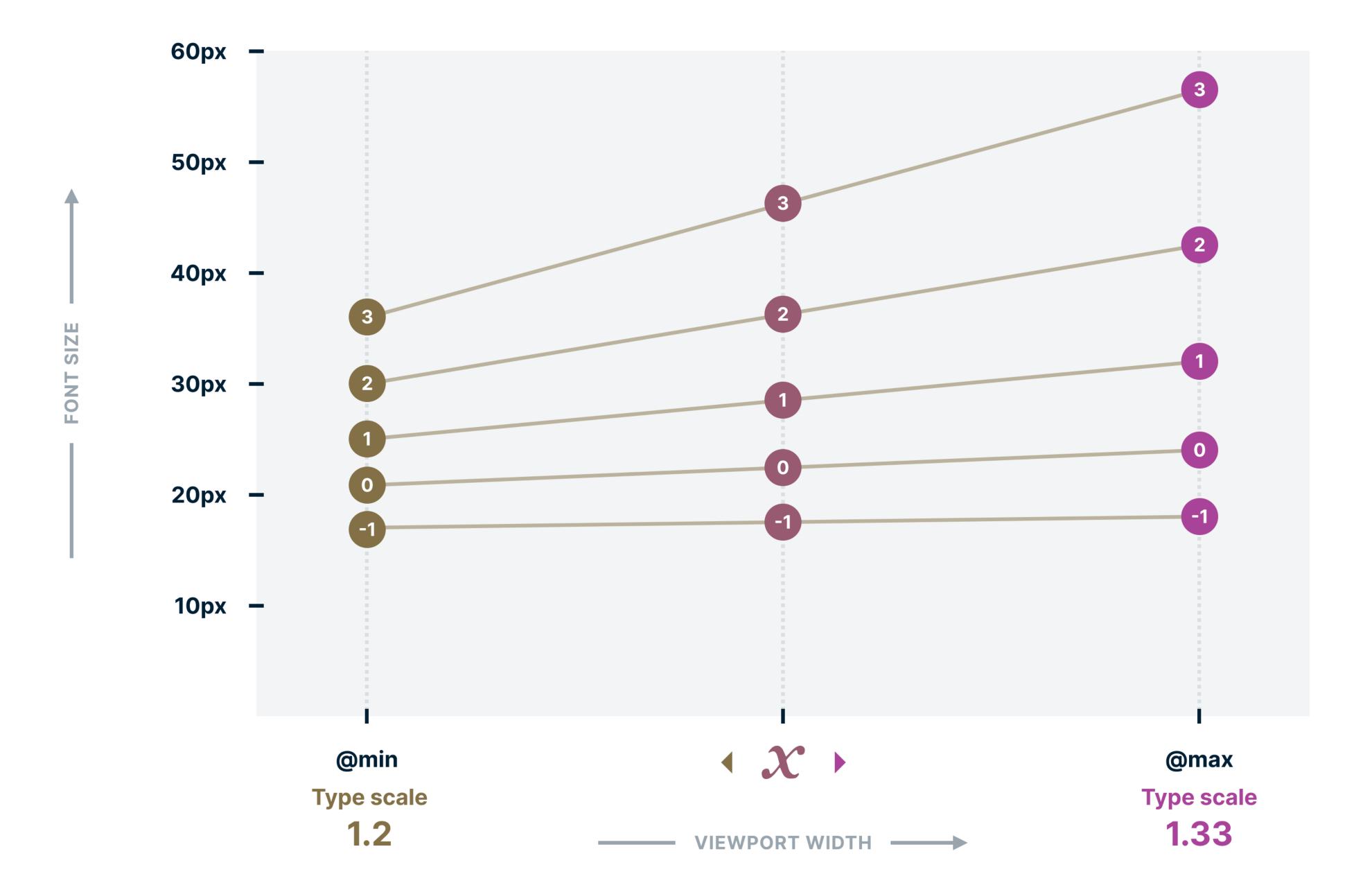
- Design and code minimally and elegantly
- Streamline collaboration between design and development roles
- Ensure visual harmony and consistency

Utopia is not a product, a plugin, or a framework. It's a memorable/pretentious word we use to refer to a way of thinking about fluid responsive design. There's no program or dependency to install, although we are developing some free tools to support your next Utopian project:



Fluid interpolation between two typographic scales by viewport width











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@min

Type scale

1.2

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This is an inline heading with top and bottom spacing

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This is a large heading lorem ipsum dolor

This text is one step up the scale from body size. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore.

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Type scale

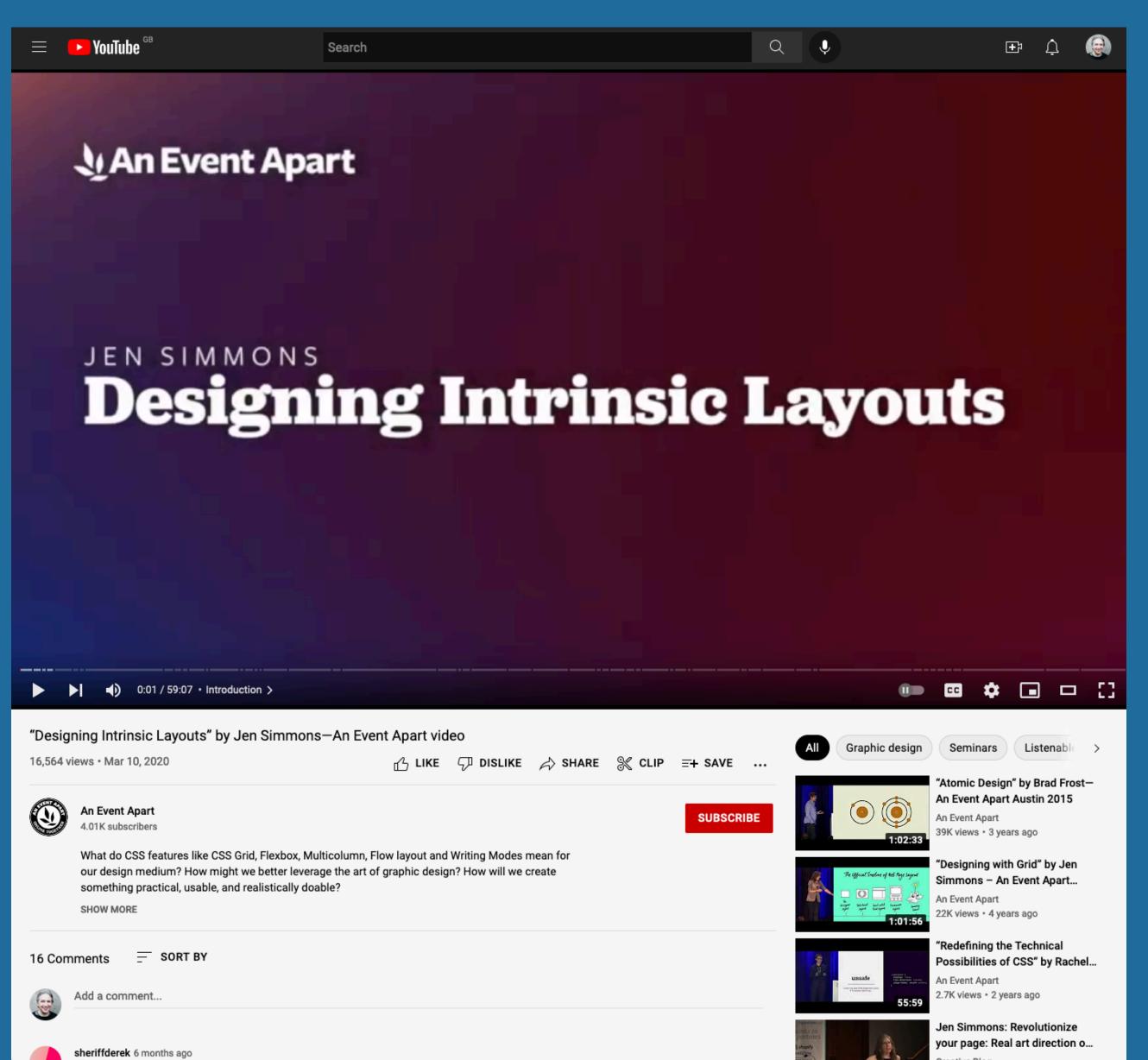
1.33

X
Type scale

maths designs this

CCIC ciamp() min() and max() fit-content min-content and max-content repeat() minmax

youtube.com/layoutland





every-layout.dev



Learn to write better, resilient CSS

If you find yourself wrestling with CSS layout, it's likely you're making decisions for browsers they should be making themselves.

Through a series of simple, composable layouts, Every Layout will teach you how to better harness the built-in algorithms that power browsers and CSS.

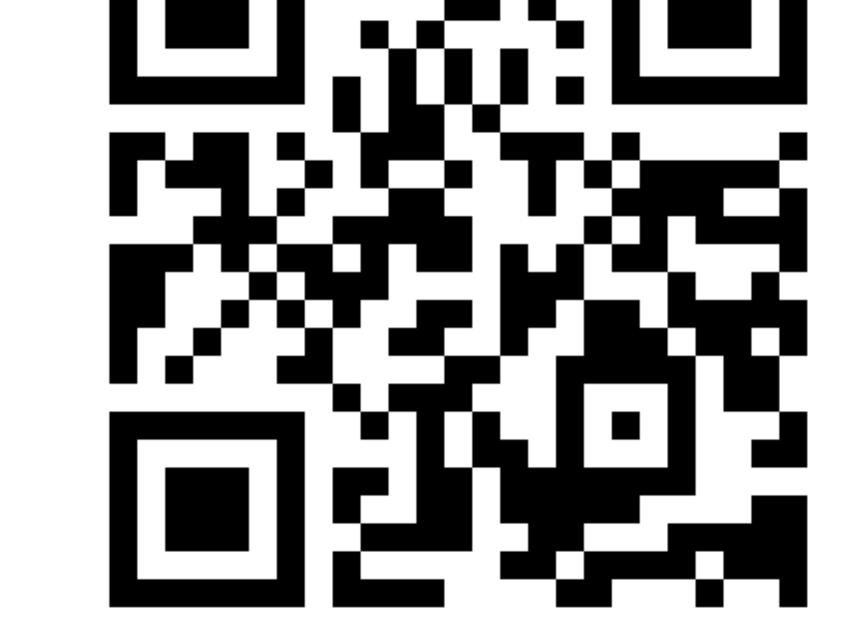
Buy Every Layout For \$69

Read the free rudiments and axioms

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Already purchased Every Layout, but lost your access?

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Your email

Get my access link

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Be the browser's mentor, not its micromanager.

Give the browser some solid rules and hints, then let it make the right decisions for the people that visit it, based on their device, connection quality and capabilities. This is how they will get a genuinely great user experience, rather than a fragmented, broken one.

Key Foundations & Principles

Modern CSS with Methodologies

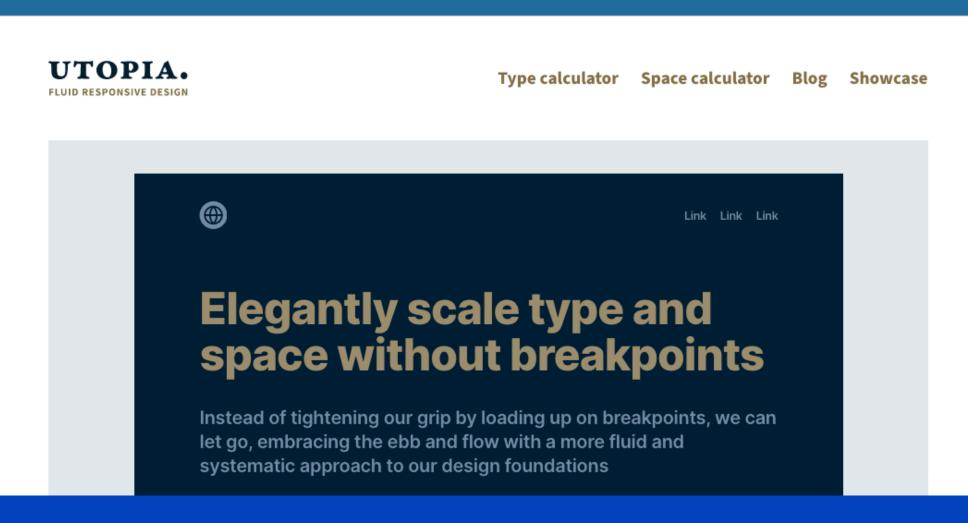
Instead of brute-forcing your designs together with a CSS framework, consider opting for a CSS methodology like <u>CUBE</u>
<u>CSS</u>, <u>SMACSS</u> or <u>BEM</u> that empowers you to write flexible, portable CSS, rather than rigid,

Fluid type & Space

Creating type scales that respond to the viewport, rather than setting explicit values for typography and space allows you to set rules once and forget about them, knowing that whatever device, regardless of its available size will be presented with

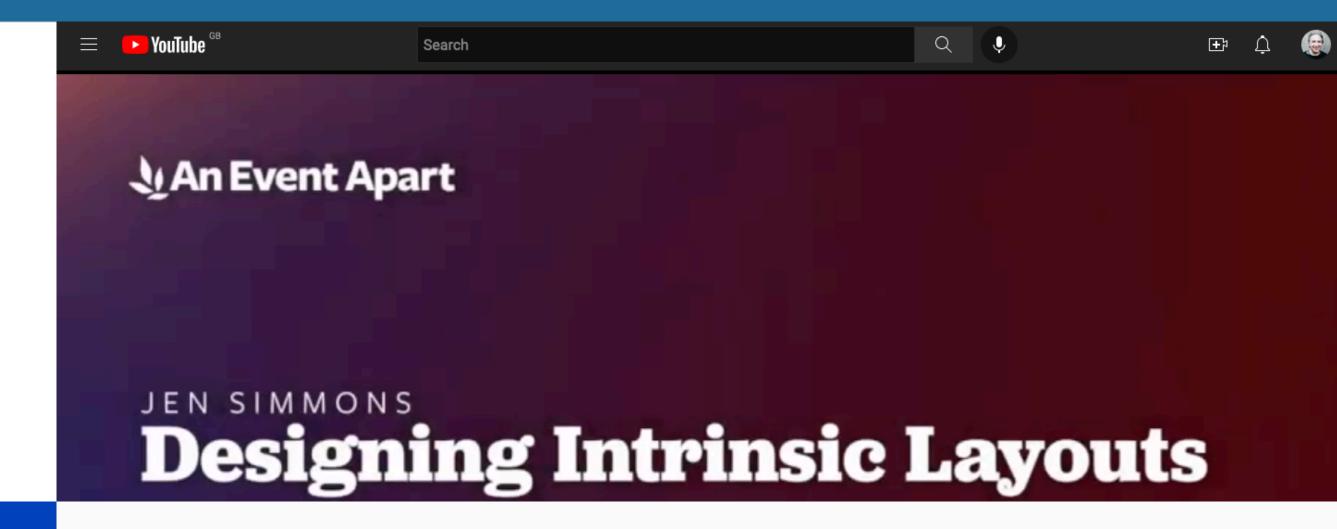


declarative design



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declarative > imperative?

declarative > imperative?

it depends

culture

management

imperative

management

imperative

management

declarative

culture

design systems

imperative

design systems

declarative

thinking

analytic thinking

systems thinking

design systems

examble </br>

BUTTON

BUTTON

BUTTON

#B45B39 #912D0E #571D0B #421709 #CD262F #A60003 #6B0002 #520001 #CEA32E #AB7906 #866004 #523C02

"The border should be 10% lighter than the background color."

declarative > imperative?

design systems

it depends

the medium

native apps os-specific

contro



"The more you tighten your grip, the more the World Wide Web slips through your fingers."

a dao of web design



A Dao of Web Design

by John Allsopp · April 07, 2000

Published in Accessibility, CSS, Layout & Grids, Typography & Web Fonts

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 Tao.

Daoism is a philosophy, like Buddhism, a way of living, of being in the world, which stems from a text of great antiquity, the *Tao Te Ching*, whose 81 "chapters" enigmatically sweep across human experience, but with a strong common theme, that of harmony.

For the last couple of years, for better or worse, my life has revolved more than a little around style sheets. I write software, tutorials, and guides for them; I've answered too many questions to count about them on newsgroups and via email; I've fought for their adoption with The Web Standards Project. And slowly I've come to understand web design entirely differently because of them, and to see a strong association between design and the Tao.

What I sense is a real tension between the web *as we know it*, and the web *as it would be*. It's the tension between an existing medium, the printed page, and its child, the web. And it's time to really understand the relationship between the parent and the child, and to let the child go its own way in the world.

no comments yet

Become a patron

Translations

Russian

French

responsive web design



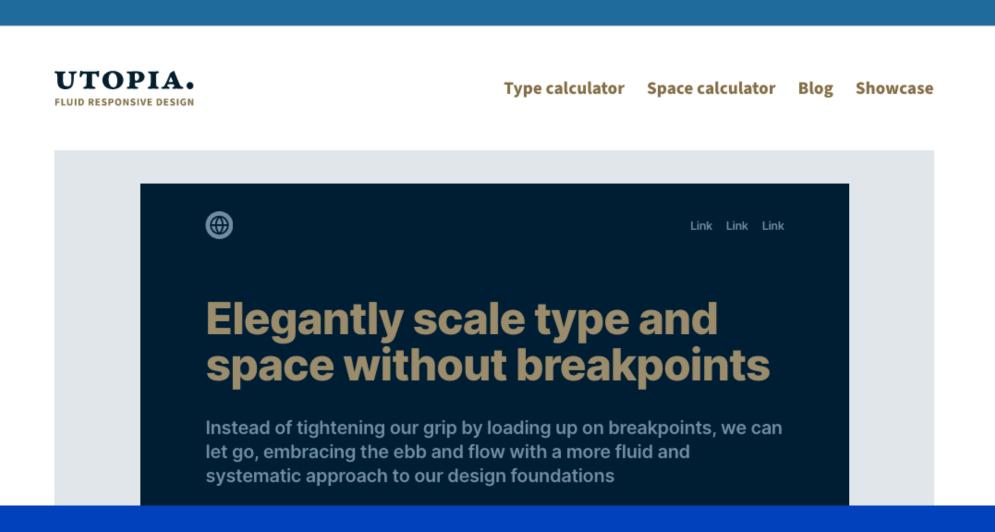
Responsive Web Design

by Ethan Marcotte · May 25, 2010

Published in CSS, Interaction Design, Layout & Grids, Mobile/Multidevice, Responsive Design

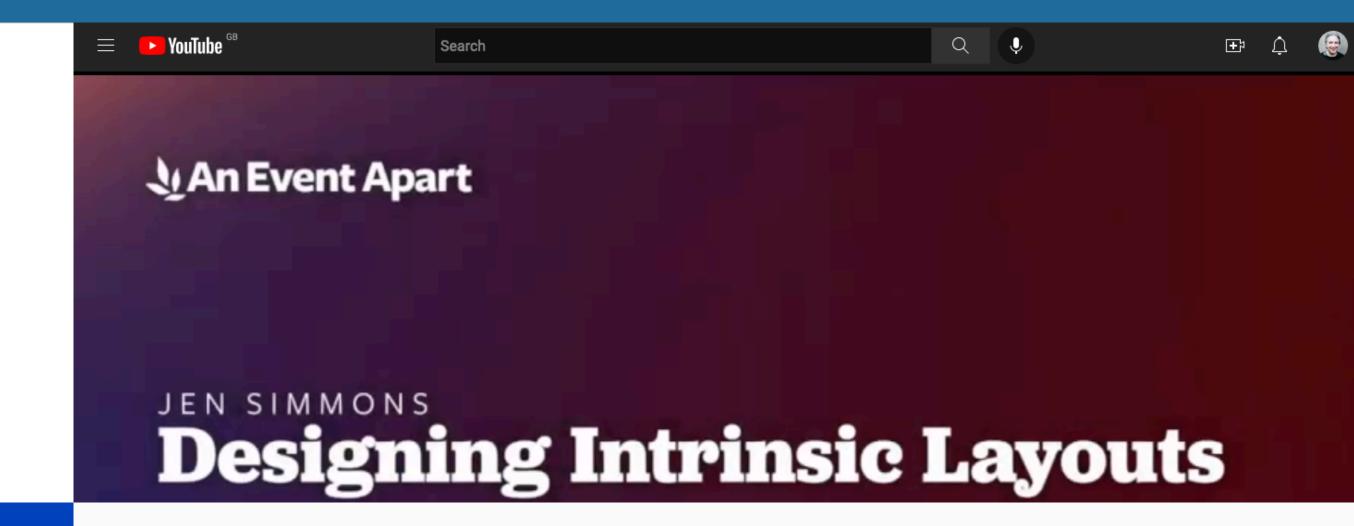
"The control which designers know in the print medium, and often desire in the web medium, is simply a function of the limitation of the printed page. We should embrace the fact that the web doesn't have the same constraints, and design for this flexibility. But first, we must 'accept the ebb and flow of things '"

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Thank you