

moz://a

Groundbreaking new tools for web typographers



Jen Simmons
Designer Advocate at Mozilla
Ampersand
29 June 2018

@jensimmons

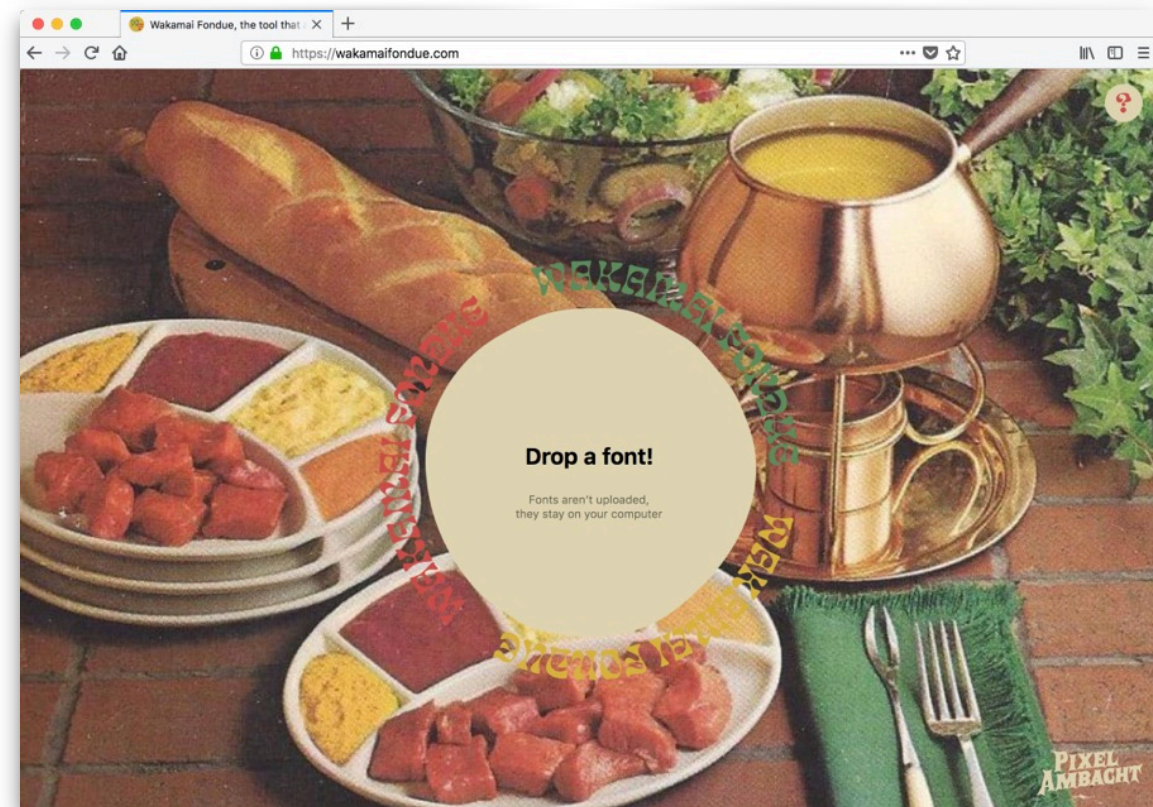
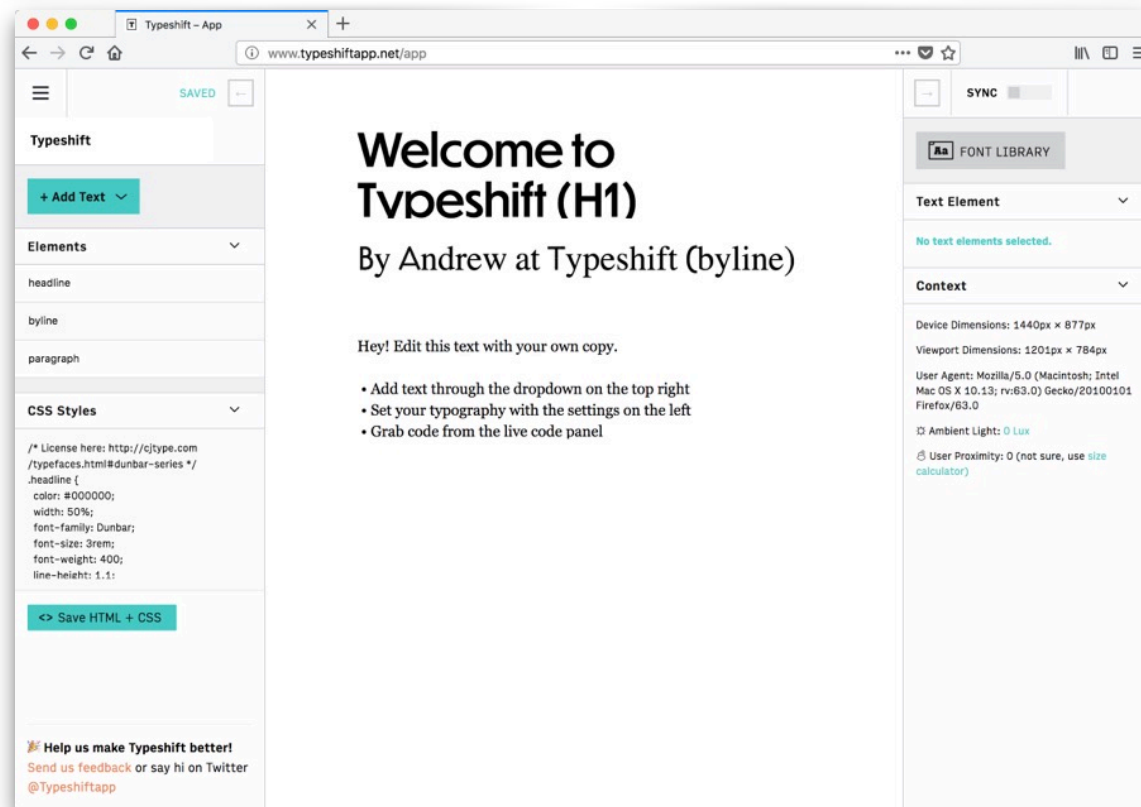
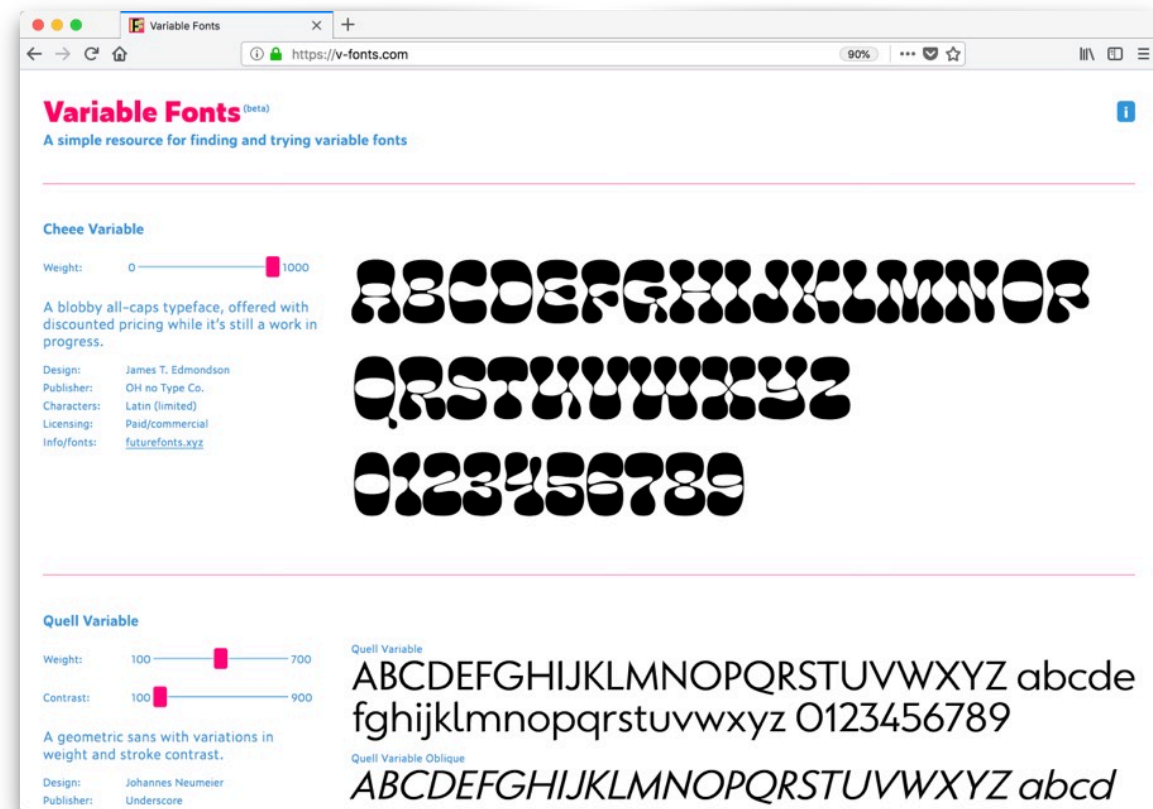
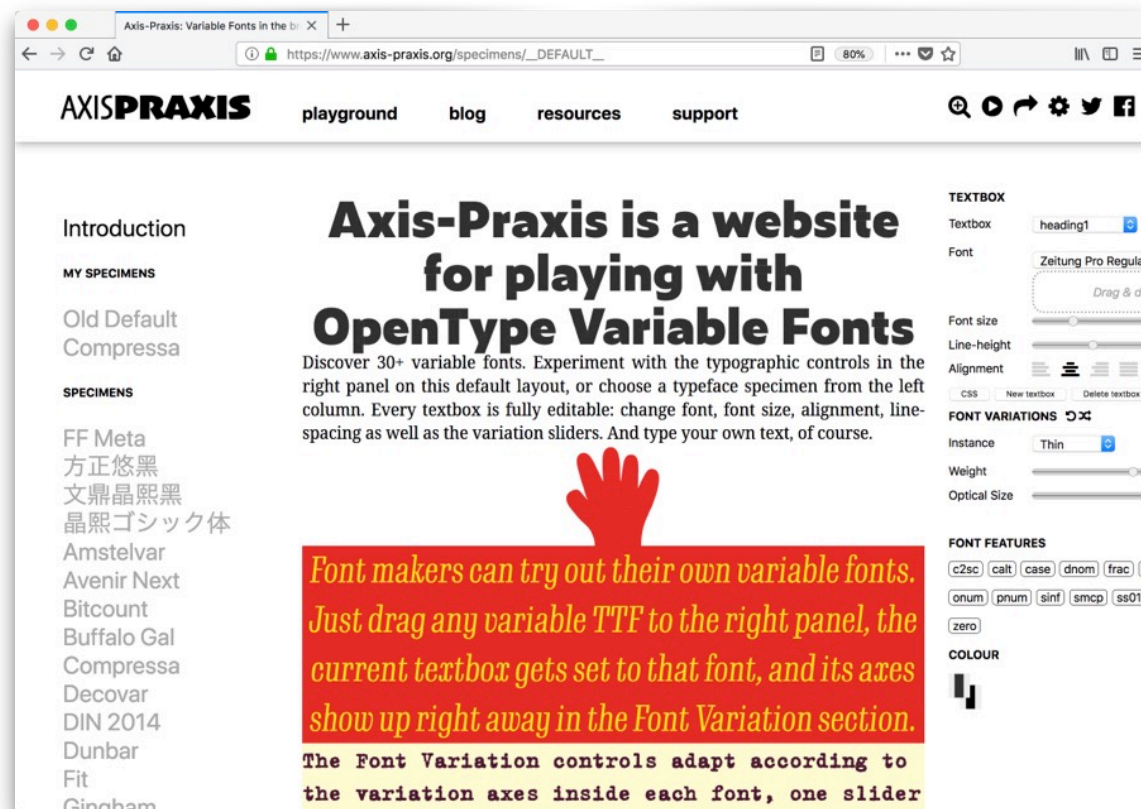
for twitter

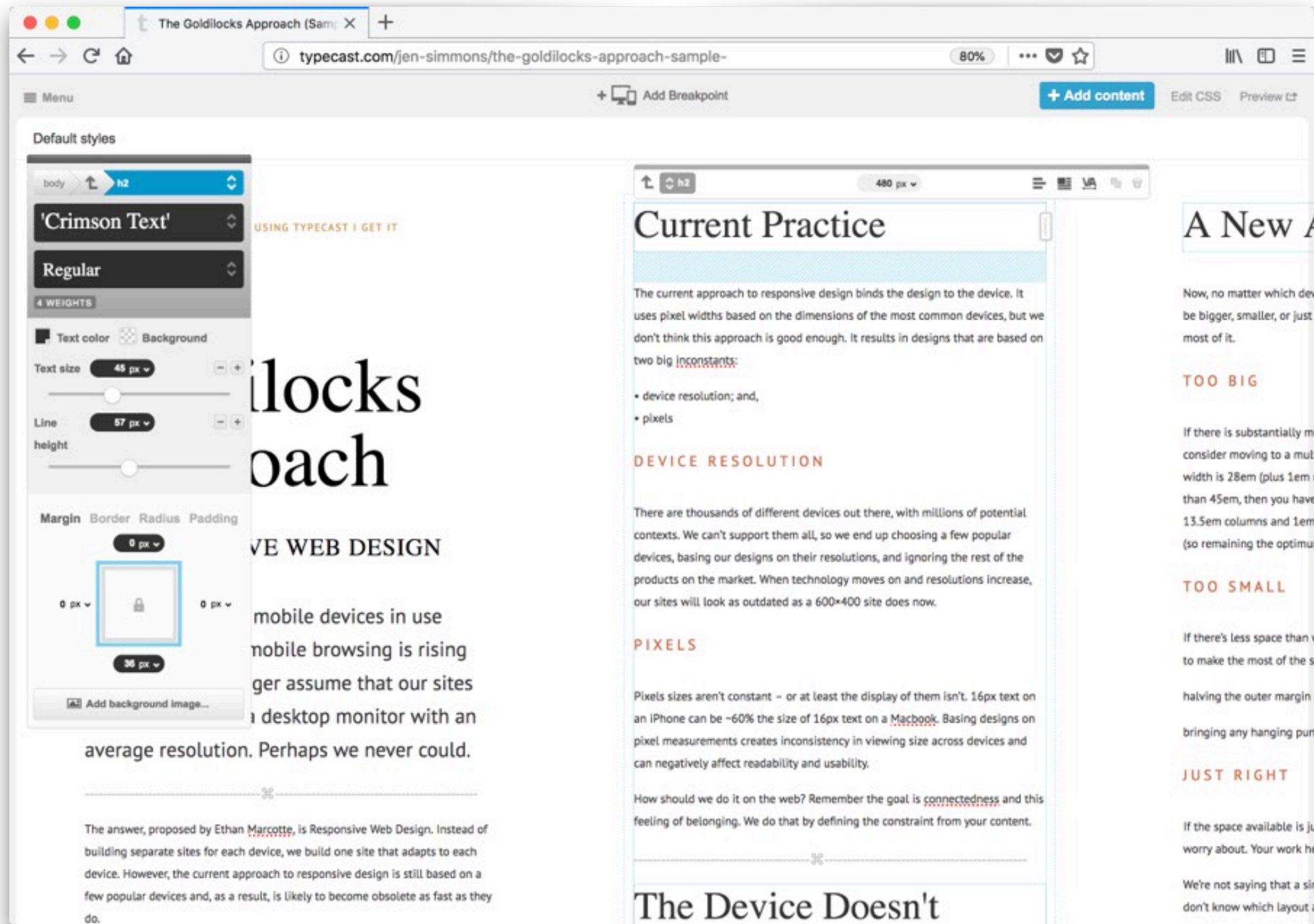
noti.st/jensimmons

for slides

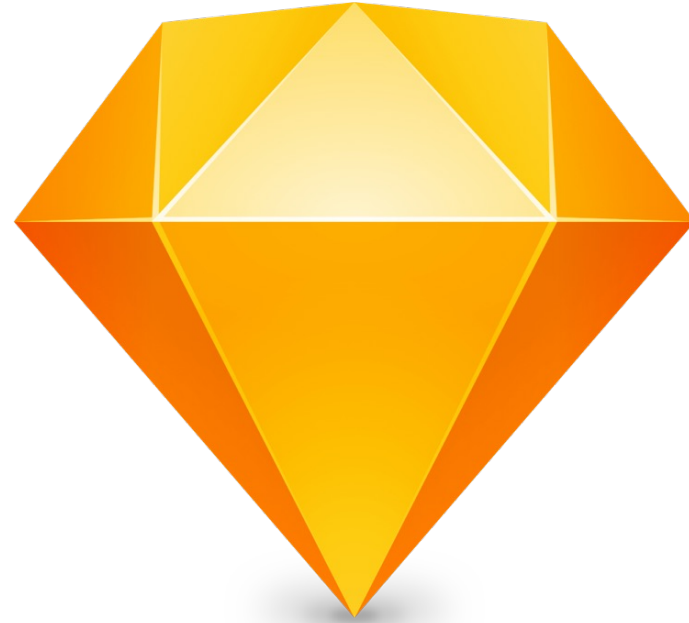
Variable Fonts

Variable Fonts





Typecast.com



HTML

CSS

**You have to get into
the browser.**

CSS Grid Demo | Jen Simmons Lab

+

← → ↻ 🏠

📄 demos.local/2017/01-007.html

⋮ 📄 ⌵

jan tschichold:

lichtbildervortrag

die neue typographie

am mittwoch, 11.mai 1927, abends 8 uhr, in der aula der graphischen berufsschule, pranckhstraße 2, am marsfel, straßenbahnlinien: 3 (haltestelle hackerbrücke), 1, 4 und 11 (haltestelle pappenheimstraße) der vortrag wird von über hundert größtenteils mehrfarbigen lichtbildern begleitet, eine diskussion findet nicht statt

freier eintritt

veranstalter:
bildungsverband
der deutschen
buchdrucker

🔍 Inspecto

📄 Console

🔍 Debugge

{} Style Editor

🕒 Performance

📄 Memory

📄 Network

📄 Storage

📄 Compatibility

📄

📄

⚙️

📄

📄

✕

+

🔍 Search HTML

✎

<!DOCTYPE html>

<html dir="ltr" lang="en-us">

> <head> </head>

> <body>

> <main> grid

> <h1> </h1>

> <h2> </h2> contents

> <p class="description"> </p>

> <div class="price">freier eintritt</div>

> <div class="location"> </div>

> <div class="empty1"></div>

> </main>

> <!--Gathering lightweight statics via Gaug.es-->

> <script type="text/javascript"> </script>

> </html>

html > body > main > h1

Rules

Computed

Layout

Animations

Fonts

🔍 Filter Styles

+

📄 .cls

element {

}

h1 {

grid-row: 2 / 3;

grid-column: 1 / 3;

margin: 0;

margin-right: 0px;

text-transform: lowercase;

font-size: calc(2rem + 3vw);

font-weight: bold;

margin-right: -0.36em;

}

* {

box-sizing: border-box;

}

01-007.scss:28

01-007.scss:1

W Wikipedia, the free encyclope... +

en.wikipedia.org/wiki/Main_Page


Google

Create account Log in

Main PageTalk

ReadView sourceView history

Search



WIKIPEDIA
The Free Encyclopedia

Main page

Contents

Featured content

Current events

Random article

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Interaction

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About Wikipedia

Community portal


Recent changes

Contact page

Tools

What links here

Related changes


We have amended our Terms of Use:
Please read about the new changes

Welcome to Wikipedia,

the free encyclopedia that anyone can edit.

4,546,622 articles in English


From today's featured article



Empress Matilda (1102–1167) was the claimant to the English throne during the civil war known as **the Anarchy**. The daughter of **King Henry I of England**, she moved to Germany to marry the future **Holy Roman Emperor Henry V**. Her younger brother, **William Adelin**, died in 1120, leaving a succession crisis, and on Henry V's death in 1125, her father arranged for her to marry **Geoffrey of Anjou** in a strategic alliance. Henry I nominated Matilda as his heir before his death in 1135, but Matilda and Geoffrey faced opposition from the Norman barons and the throne was instead taken by her cousin

In the news

- The West African **Ebola outbreak** becomes the deadliest in history, with more than 467 deaths.
- Scientists identify a new species of **elephant shrew**, named ***Macroscelides micus***.
- A series of attacks in **northeast** and **central Nigeria** result in more than 250 deaths and 90 kidnappings.
- Platinum** miners return to work after **the longest strike** in South African



ConsoleHTMLCSSScriptDOMNetCookies

body.medi...teLayout < html.cie...vailable

```
<!DOCTYPE html>
<html class="client-js ve-not-available" lang="en" dir="ltr">
  <head>
  <body class="mediawiki ltr sitedir-ltr ns-0 ns-subject page-Main_Page skin-vector action-view vector-animateLayout">
    <div id="mw-page-base" class="noprint"></div>
    <div id="mw-head-base" class="noprint"></div>
    <div id="content" class="mw-body" role="main">
    <div id="mw-navigation">
    <div id="footer" role="contentinfo">
    <script>
    <script>
    <script>
    <script src="//bits.wikimedia.org/en.wikipedia.org/load.php?debug=false&lang=en&modules=site&only=scripts&skin=vector&*>
```

Style

ComputedLayoutDOMEvents

body {load.ph...ector&' (line 1)background-color: #f6f6f6;}

html, body {load.ph...ector&' (line 1)font-family: sans-serif;height: 100%;margin: 0;padding: 0;}

Inherited from html.client-js.ve-not-available

html, body {load.ph...ector&' (line 1)font-family: sans-serif;

and modern farming is largely to blame. Practices such as the overuse of chemicals, excessive tilling and the use of heavy machinery disturb the soil's organic matter, exposing carbon molecules to the air, where they combine with oxygen to create carbon dioxide. Put another way: Human activity has turned the living and fertile carbon system in our dirt into a toxic atmospheric gas.

Climate change, quite simply, cannot be halted without fixing agriculture.

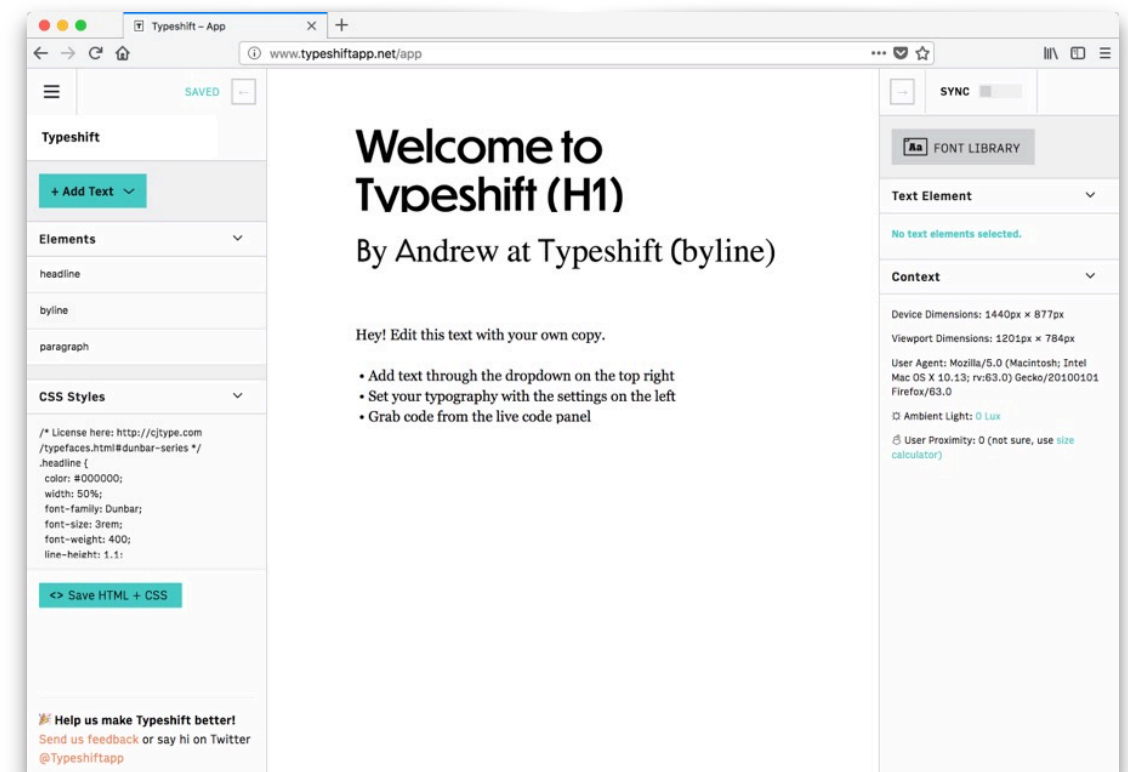
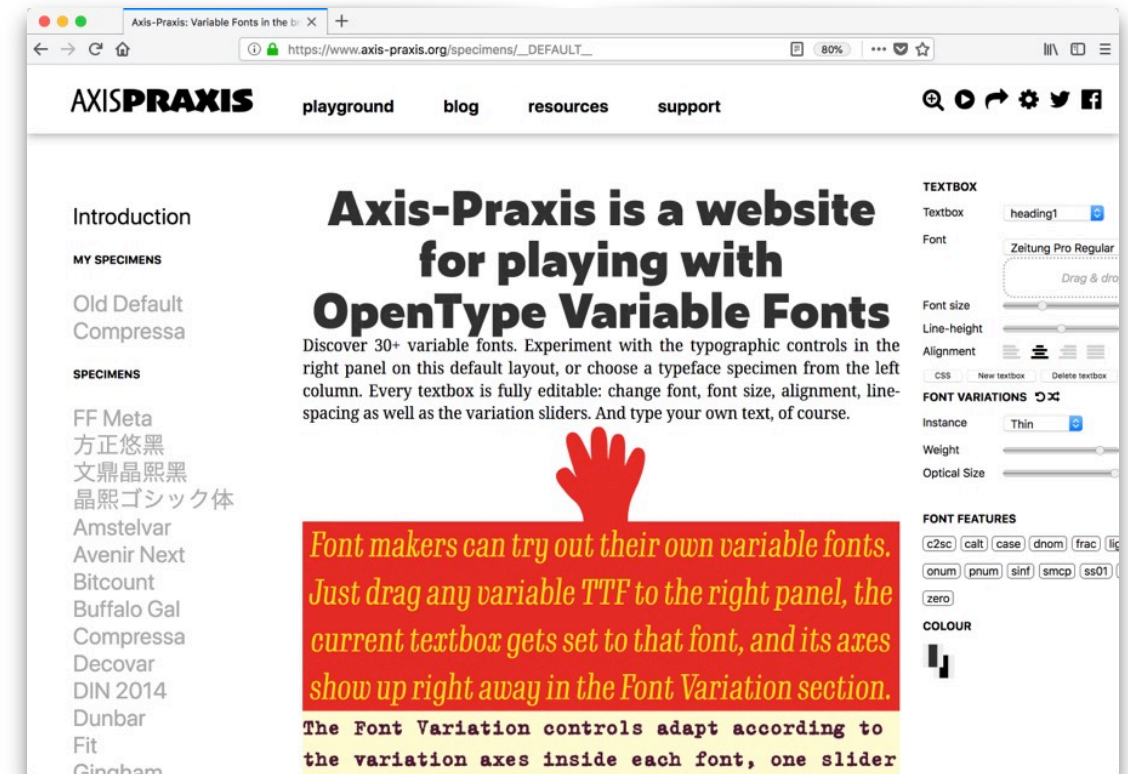
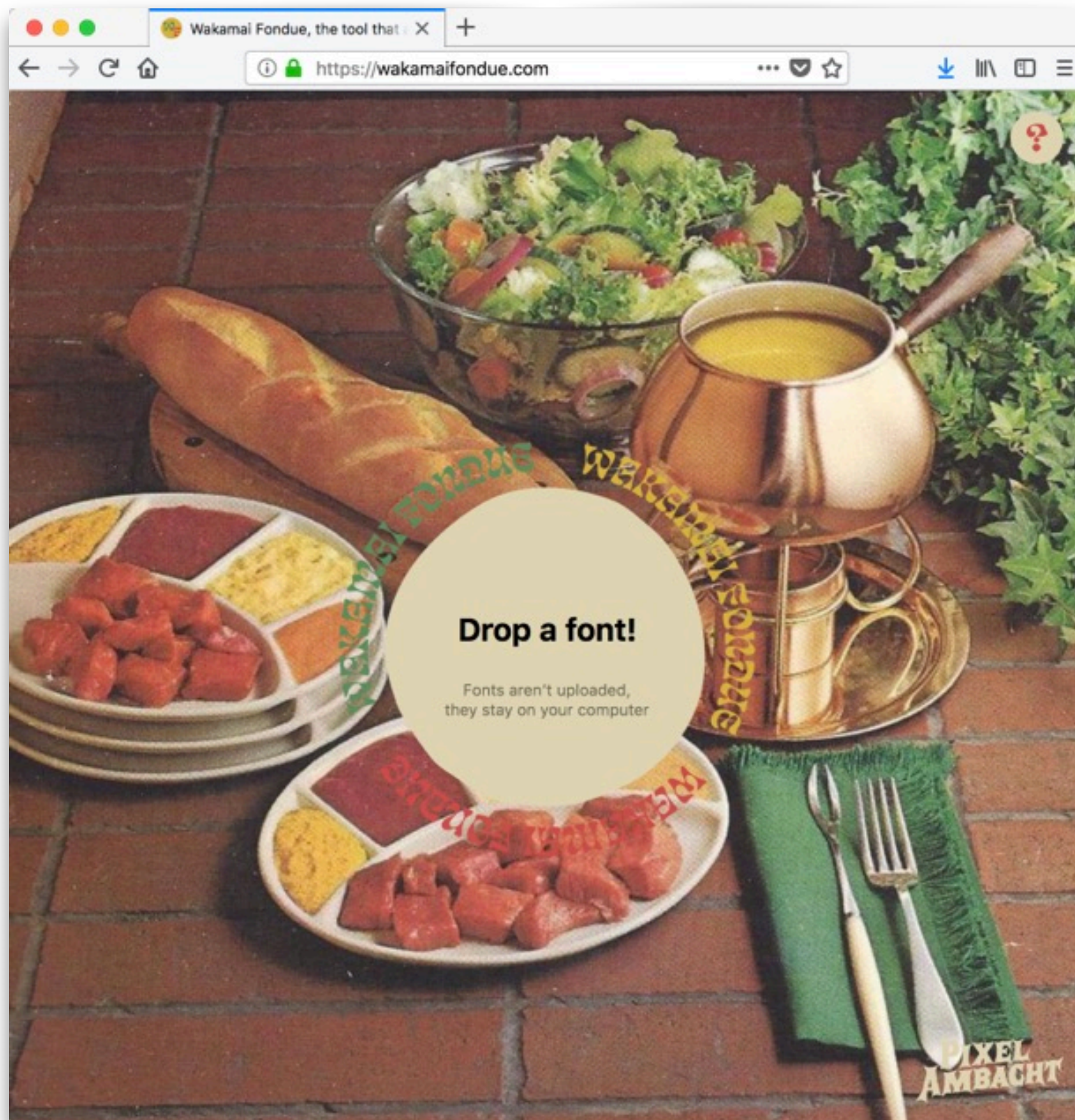
It's possible to halt and even reverse this process through better agricultural policies and practices. Unfortunately, the world leaders who gathered in Paris this past week have paid little attention to the critical links between climate change and agriculture. That's a huge mistake and a

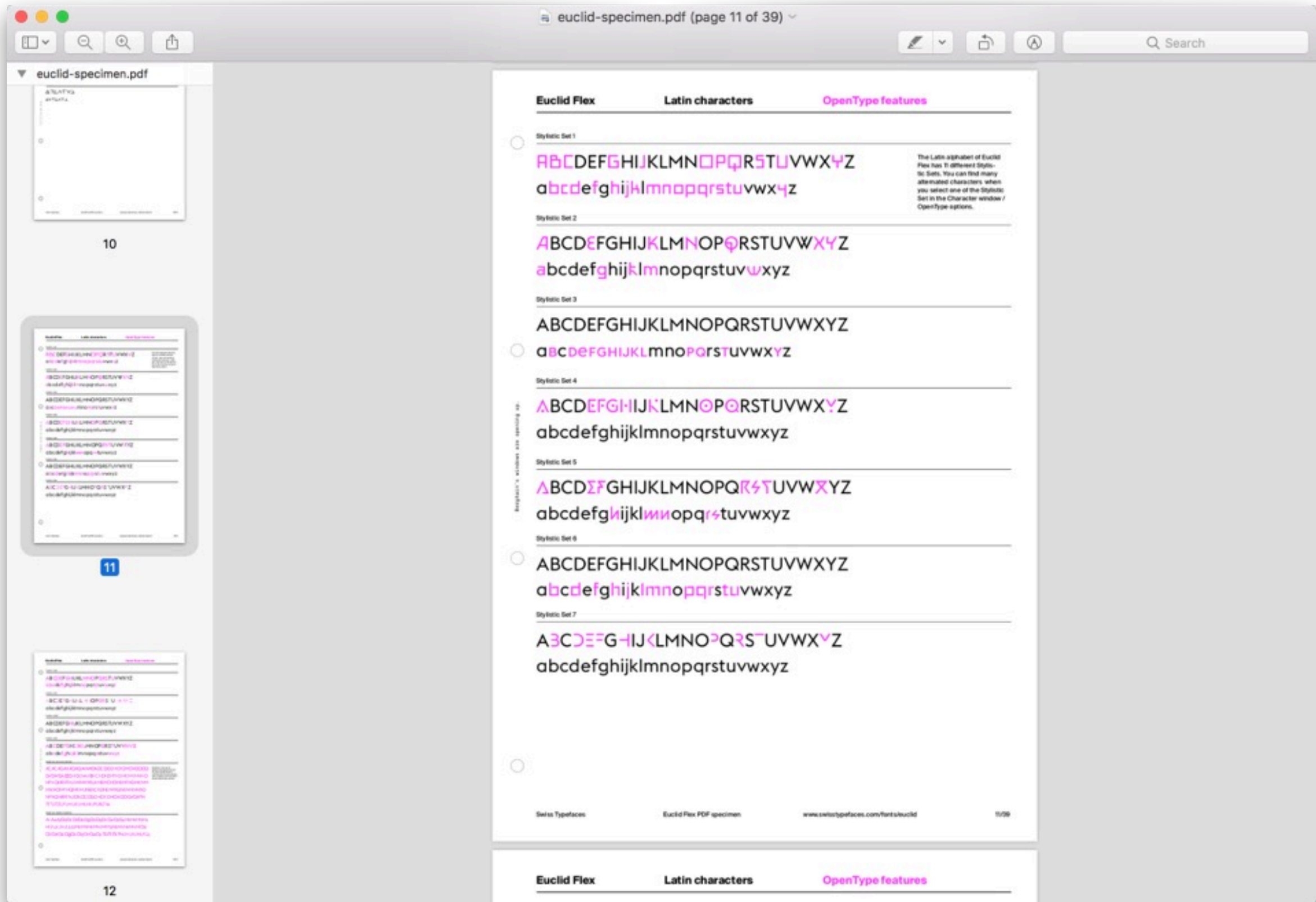
Open Type Features

CSS Fonts level 3

How can web designers

discover what a font can do?





**Most of what's needed
is hidden.**

Large investment of time needed.

You have to know you want it.

What if it were easy...

What if it were easy

Variable Fonts

Open Type Features

**Tools for playing, experimenting,
& exploring while in the process
of making your website.**



Font Editor

CSS Grid Inspector

Shape Path Editor

Live Demo

**How do you get
your hands on these
tools today?**

Out Now

Grid Inspector

Firefox 62, 5 Sept 2018

**Shape Path Editor, CSS Shapes,
Variable Fonts**

Firefox 63, 23 Oct 2018

Font Editor, maybe



What you website's users have.



**What you can have.
Two versions in the future.**

What you website's users have.



Firefox Beta

Firefox Dev Edition

Two versions in the future.





What you website's users have.



Two versions in the future.



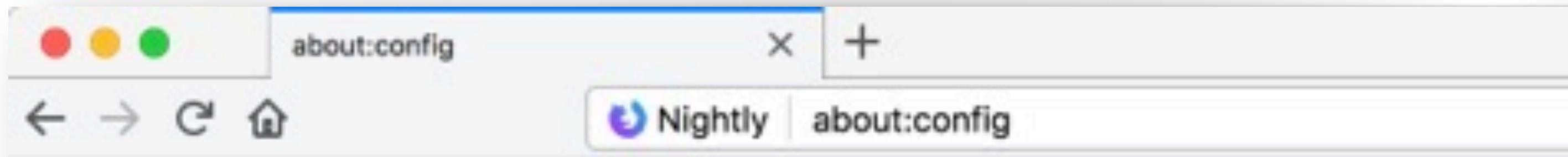
nightly.moz://a.org



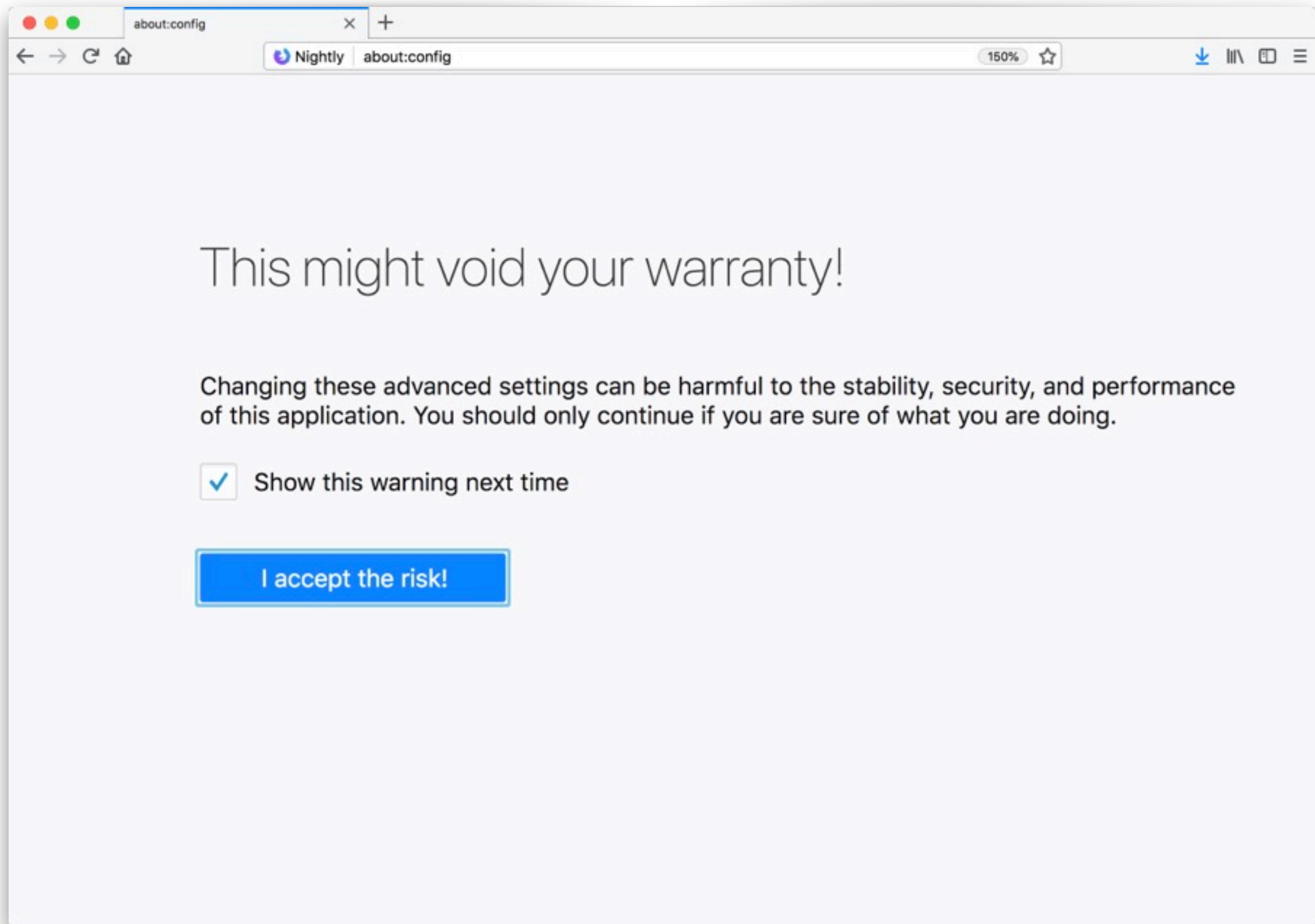
stuff that's on by default



stuff behind a flag



about:config



This might void your warranty!

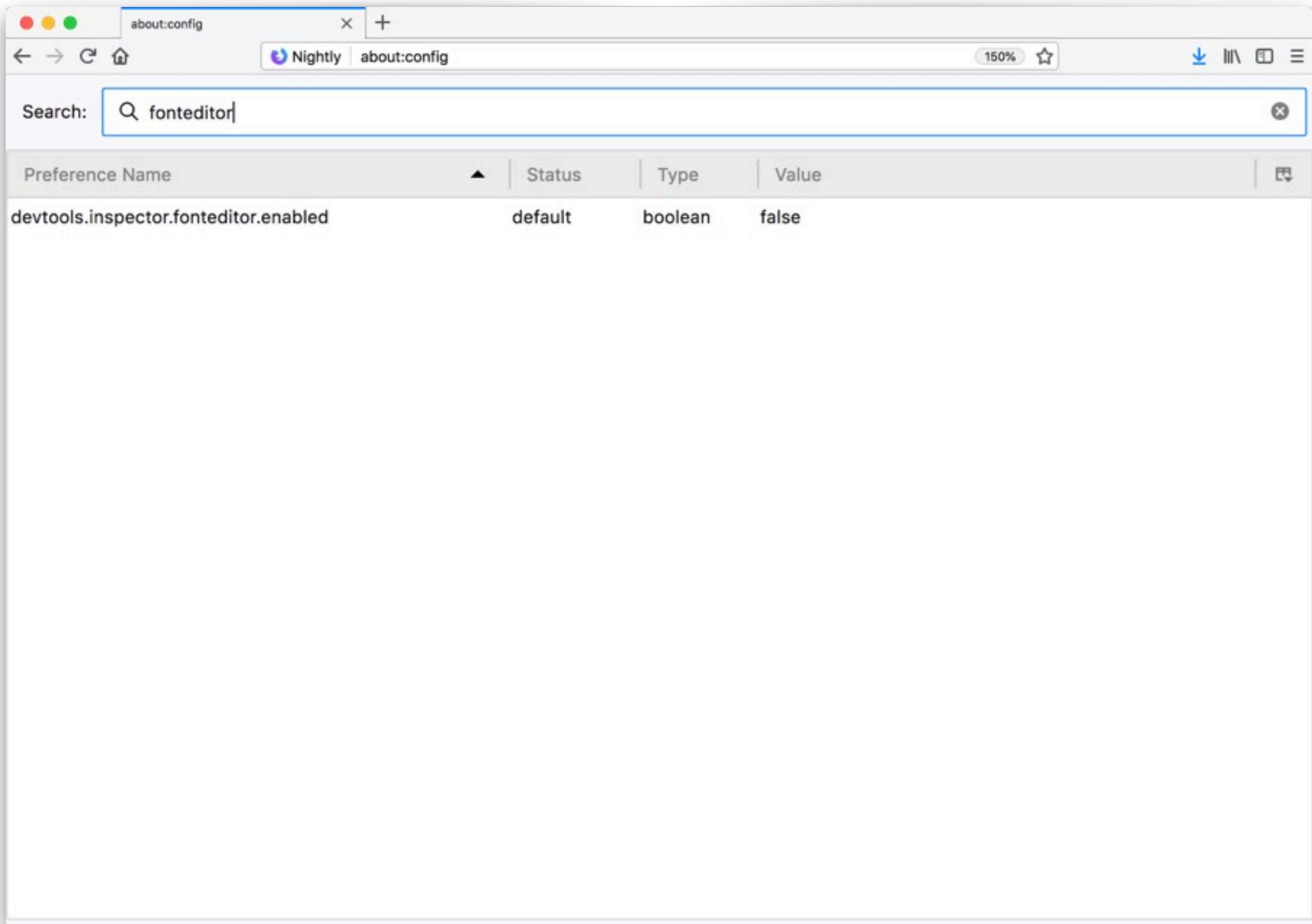
Changing these advanced settings can be harmful to the stability, security, and performance of this application. You should only continue if you are sure of what you are doing.

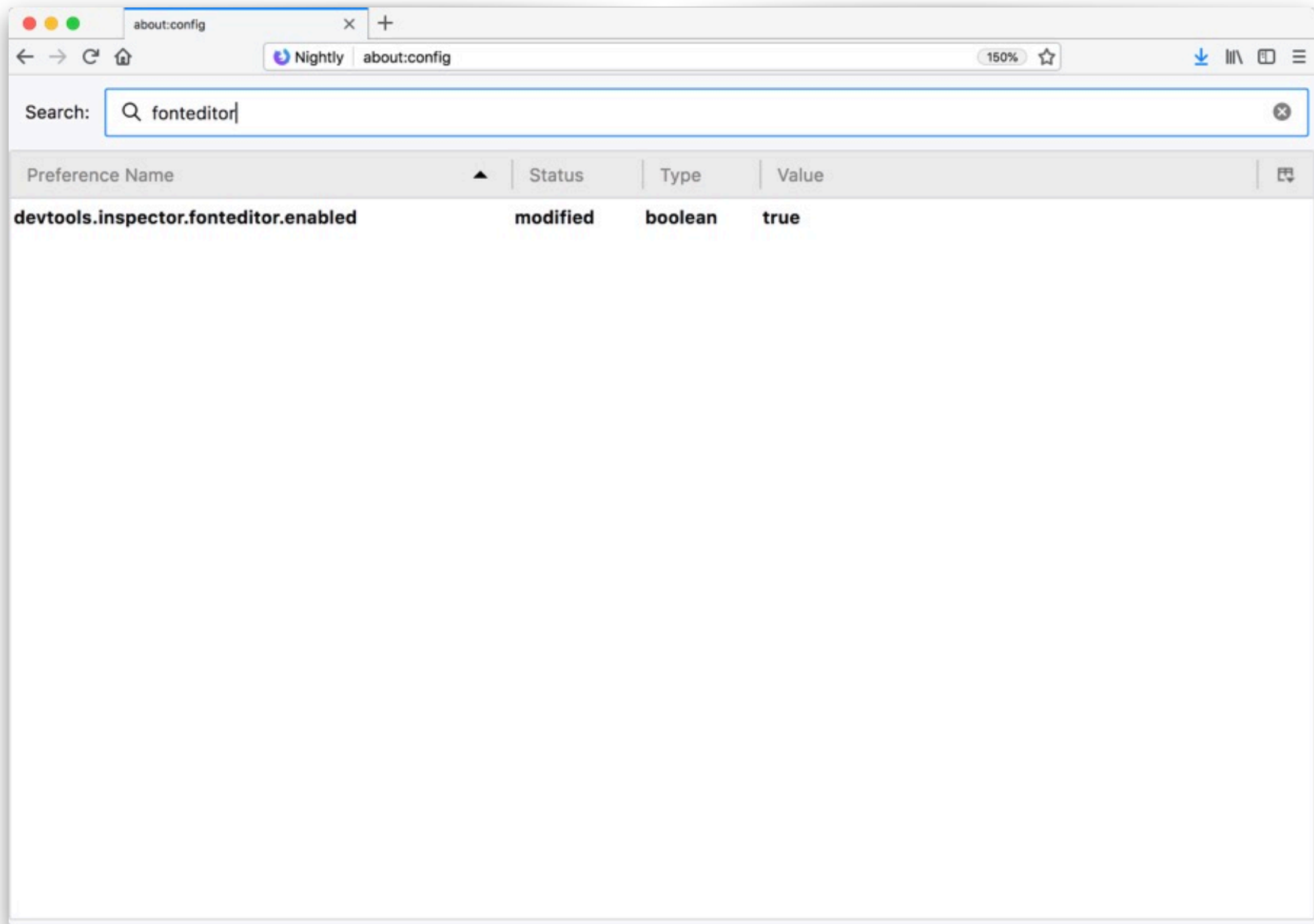
☒ Show this warning next time

I accept the risk!

about:config				
Nightly about:config 150%				
Search: <input type="text"/>				
Preference Name	Status	Type	Value	
accessibility.AOM.enabled	default	boolean	false	
accessibility.accesskeycausesactivation	default	boolean	true	
accessibility.blockautorefresh	default	boolean	false	
accessibility.browsewithcaret	default	boolean	false	
accessibility.browsewithcaret_shortcut.enabled	default	boolean	true	
accessibility.force_disabled	default	integer	0	
accessibility.indicator.enabled	default	boolean	false	
accessibility.monoaudio.enable	default	boolean	false	
accessibility.mouse_focuses_formcontrol	default	boolean	false	
accessibility.support.url	default	string	https://support.mozilla.org/%LOCALE%/kb/accessibility-serv...	
accessibility.tabfocus_applies_to_xul	default	boolean	true	
accessibility.typeaheadfind	default	boolean	false	
accessibility.typeaheadfind.autostart	default	boolean	true	
accessibility.typeaheadfind.casesensitive	default	integer	0	
accessibility.typeaheadfind.enablesound	default	boolean	true	
accessibility.typeaheadfind.enabletimeout	default	boolean	true	
accessibility.typeaheadfind.flashBar	modified	integer	0	
accessibility.typeaheadfind.linksonly	default	boolean	false	
accessibility.typeaheadfind.manual	default	boolean	true	
accessibility.typeaheadfind.matchesCountLimit	default	integer	1000	

about:config				
Nightly about:config 150%				
Search: font				
Preference Name	Status	Type	Value	
browser.display.auto_quality_min_font_size	default	integer	20	
browser.display.use_document_fonts	default	integer	1	
devtools.inspector.fontheaditor.enabled	modified	boolean	true	
devtools.inspector.fonthighlighter.enabled	default	boolean	false	
devtools.scratchpad.editorFontSize	default	integer	12	
font.blacklist.underline_offset	default	string	FangSong,Gulim,GulimChe,MingLiU,MingLiU-ExtB,MingLiU_...	
font.default.ar	default	string	sans-serif	
font.default.el	default	string	serif	
font.default.he	default	string	sans-serif	
font.default.ja	default	string	sans-serif	
font.default.ko	default	string	sans-serif	
font.default.th	default	string	sans-serif	
font.default.x-armn	default	string	serif	
font.default.x-beng	default	string	serif	
font.default.x-cans	default	string	serif	
font.default.x-cyrillic	default	string	serif	
font.default.x-devanagari	default	string	serif	
font.default.x-ethi	default	string	serif	
font.default.x-geor	default	string	serif	
font.default.x-gujr	default	string	serif	



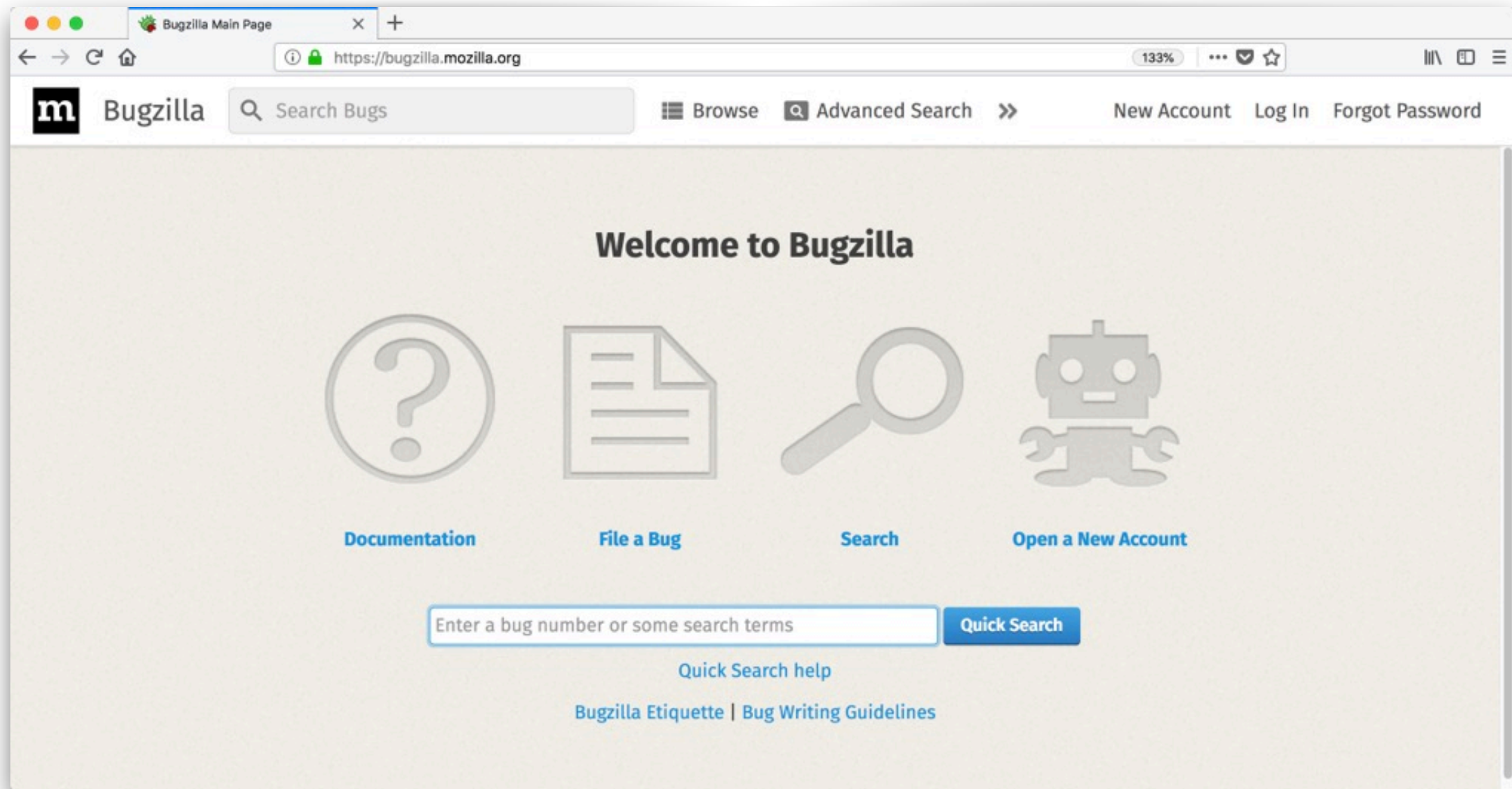




stuff that's on by default



**stuff behind a flag
about:config**



bugzilla.moz://a.com



MDN web docs

moz://a

Firefox Developer Tools | CSS Grid Inspector: Examine grid layouts

Jump to: [Discovering CSS grids](#) [Grid options](#) [See also](#)

Firefox Developer Tools >
Page Inspector > How to >
CSS Grid Inspector: Examine grid layouts

The **Grid Inspector** allows you to examine [CSS Grid Layouts](#) using the Firefox DevTools, discovering grids present on a page, examining and modifying them, debugging layout issues, and more.

- ### Related Topics
- ▶ Core Tools
 - ▶ More Tools
 - ▶ Connecting the devtools
 - ▶ Debugging the browser
 - ▶ Extending the devtools
- Settings
- Release notes

Note: The examples shown in the screenshots appearing in this article are Jen Simmons' [Futurismo](#) and [Variations on a grid](#) experiments, and a [live named grid area example](#) from Rachel Andrew.

Firefox Developer Tools | Edit Shape Paths in CSS

Languages Edit

Jump to: [Activate / deactivate the Shape Path Editor](#) [Understanding the lines drawn by the editor](#) [Editing Basic Shapes](#)

Browser support

- Firefox Developer Tools >
Page Inspector > How to >
Edit Shape Paths in CSS
-
- Related Topics
- ▶ Core Tools
 - ▶ More Tools
 - ▶ Connecting the devtools
 - ▶ Debugging the browser
 - ▶ Extending the devtools

The Shape Path Editor is a tool to help you to see and edit shapes created using `clip-path` and also the CSS `shape-outside` property and `<basic-shape>` values. This guide walks you through all of the available options.

Activate / deactivate the Shape Path Editor

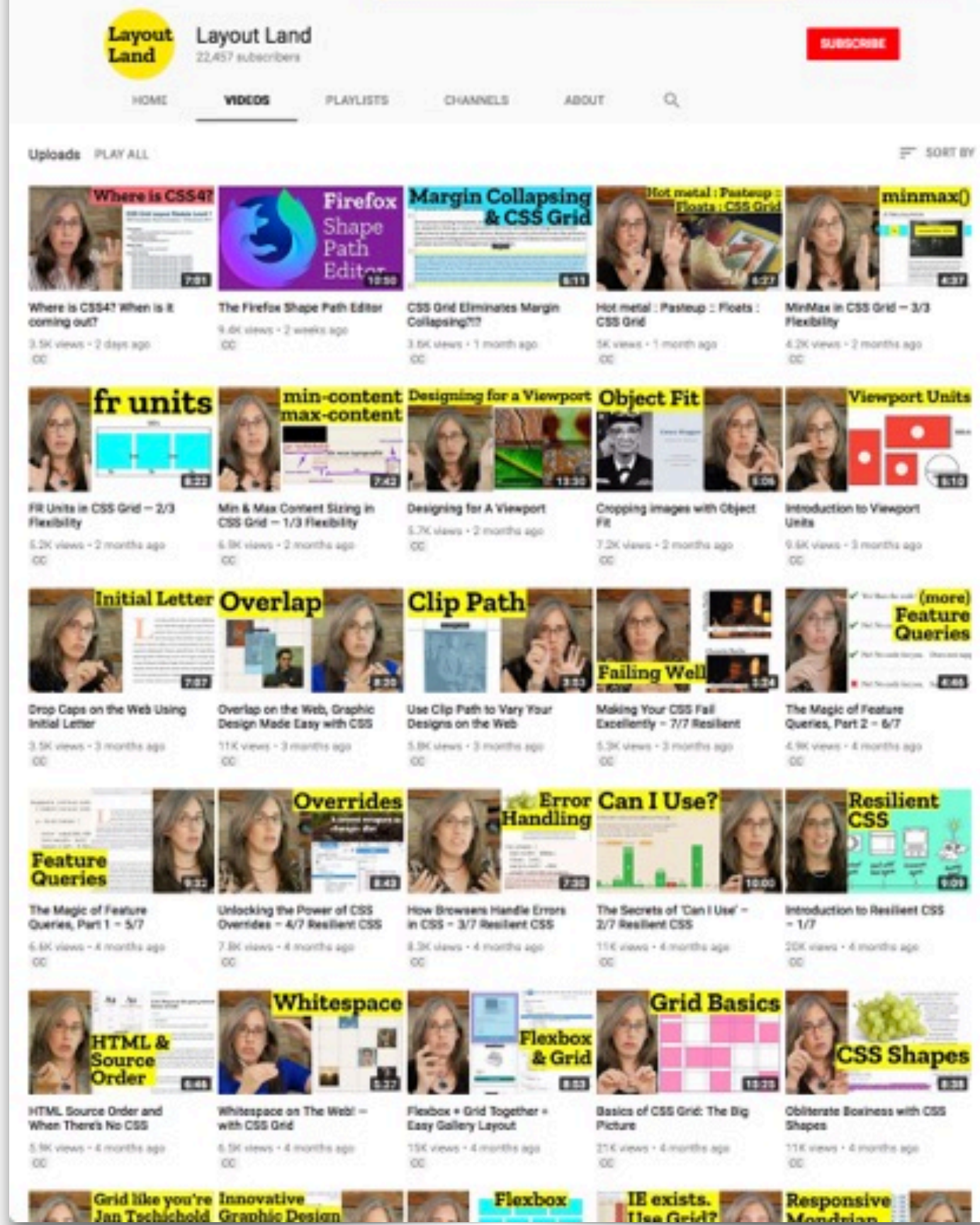
The Shape Path Editor is accessed via the CSS Rules Panel, which can be opened as described in the guide to [Opening the Inspector](#). Once you have selected your element



MDN web docs

moz://a

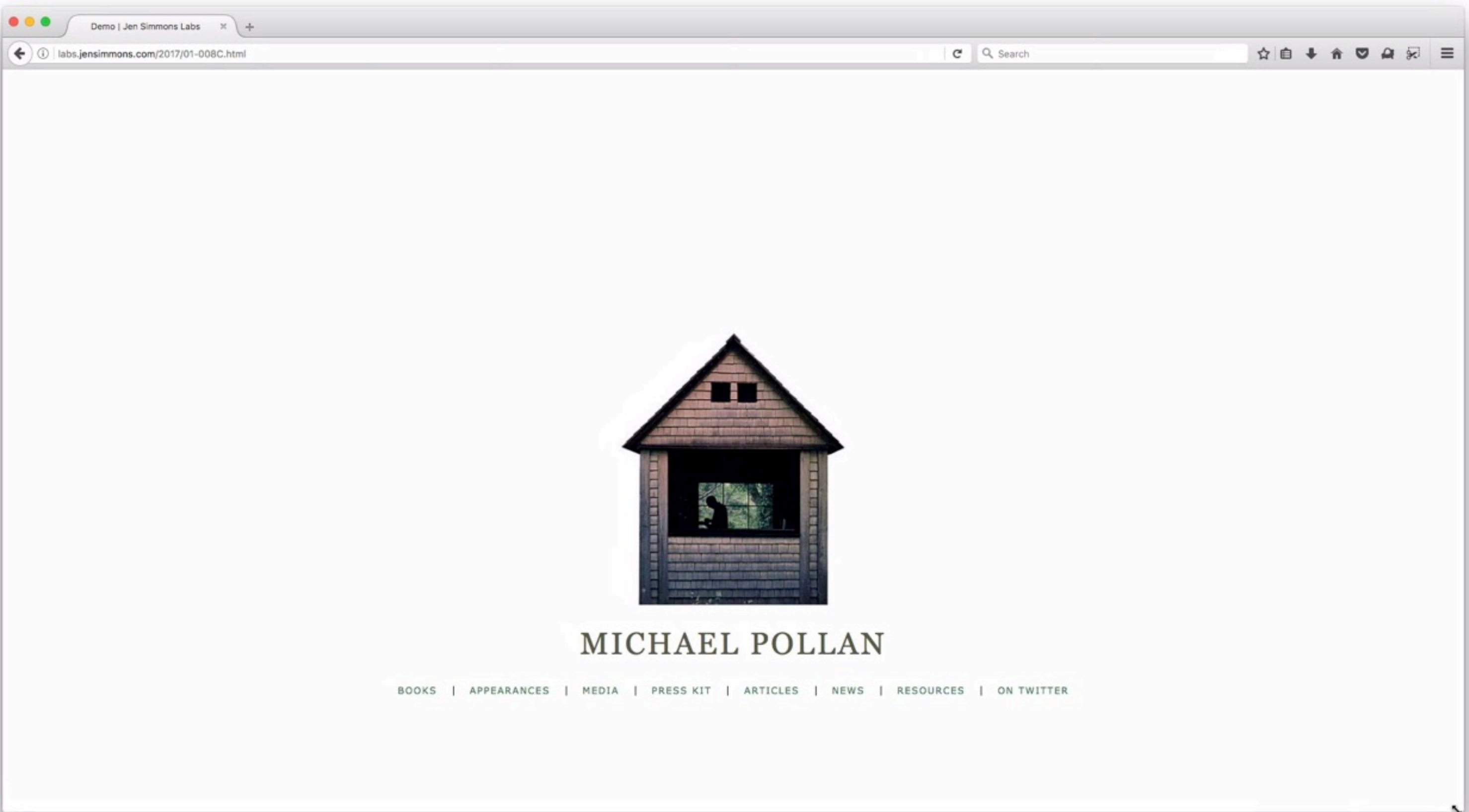
Firefox Font Editor



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Intrinsic Web Design



MICHAEL POLLAN

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Lorem ipsum dolor

Lorem ipsum dolor sit amet consectetur adipiscing, elit inceptos nunc et litora, cras class id morbi viverra. Leo in hac vel sed molestie fringilla fusce orci, dis nibh pharetra quisque inceptos interdum tortor, porta parturient varius magna curae feugiat vestibulum egestas, suscipit facilisi accumsan torquent aptent lobortis.

200px

One



Nullam pellentesquenec bibendum hendrerit augue, sed tempus odio sagittis nec. Ut ipsum lorem, scelerisque ac vestibulum et, tincidunt eget urna. Phasellus urna id elementum. Maecenas a urna metus. Vivamus ac euismod ante. Vivamus ut risus porttitor, porttitor ligula a, maximus risus. Donec maximus vulputate mauris, vel placerat diam interdum.

1fr

Two



Nullam pellentesquenec bibendum hendrerit augue, sed tempus odio sagittis nec. Ut ipsum lorem, scelerisque ac vestibulum et, tincidunt eget urna. Phasellus urna id elementum. Maecenas a urna metus. Vivamus ac euismod ante. Vivamus ut risus porttitor, porttitor ligula a, maximus risus. Donec maximus vulputate mauris, vel placerat diam interdum.

minmax(300px, 600px)

Three



Nullam pellentesquenec bibendum hendrerit augue, sed tempus odio sagittis nec. Ut ipsum lorem, scelerisque ac vestibulum et, tincidunt eget urna. Phasellus urna id elementum. Maecenas a urna metus. Vivamus ac euismod ante. Vivamus ut risus porttitor, porttitor ligula a, maximus risus. Donec maximus vulputate mauris, vel placerat diam interdum.

1fr

Four



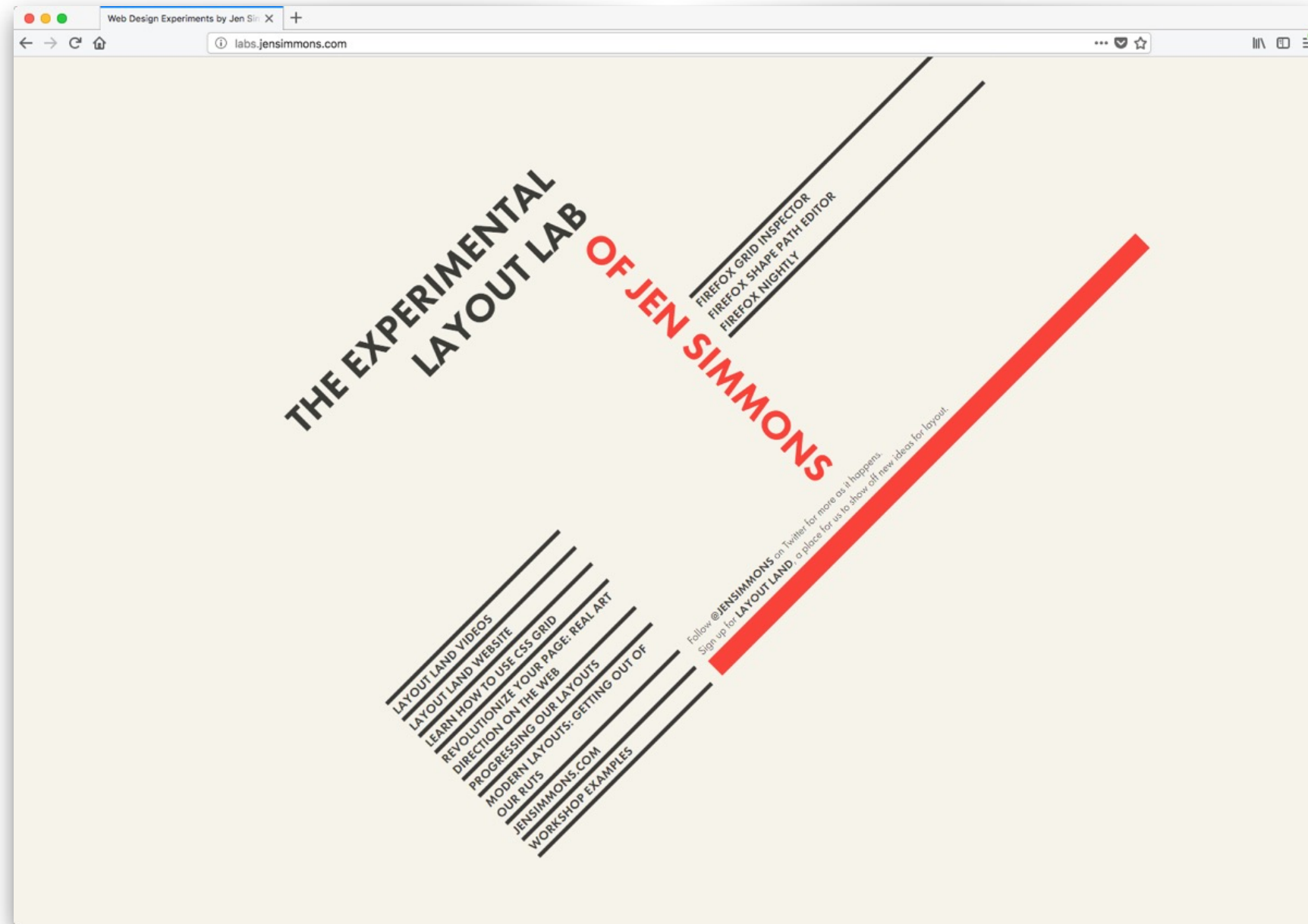
Nullam pellentesquenec bibendum hendrerit augue, sed tempus odio sagittis nec. Ut ipsum lorem, scelerisque ac vestibulum et, tincidunt eget urna. Phasellus urna id elementum. Maecenas a urna metus. Vivamus ac euismod ante. Vivamus ut risus porttitor, porttitor ligula a, maximus risus. Donec maximus vulputate mauris, vel placerat diam interdum.

Whitespace

Overlap

Stages of Flexibility

Changes how we use Viewport



LABS.JENSIMMONS.COM

THE EXPERIMENTAL LAYOUT LAB OF JEN SIMMONS

FIREFOX GRID INSPECTOR
FIREFOX SHAPE PATH EDITOR
FIREFOX NIGHTLY

LAYOUT LAND VIDEOS
LAYOUT LAND WEBSITE
LEARN HOW TO USE CSS GRID
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PROGRESSING OUR LAYOUTS
MODERN LAYOUTS: GETTING OUT OF
OUR RUTS
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Thanks!



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