Design *for* Developers

GitHub repo: github.com/sdras/design-for-developers

twitter: @sarah_edo

Section 1:

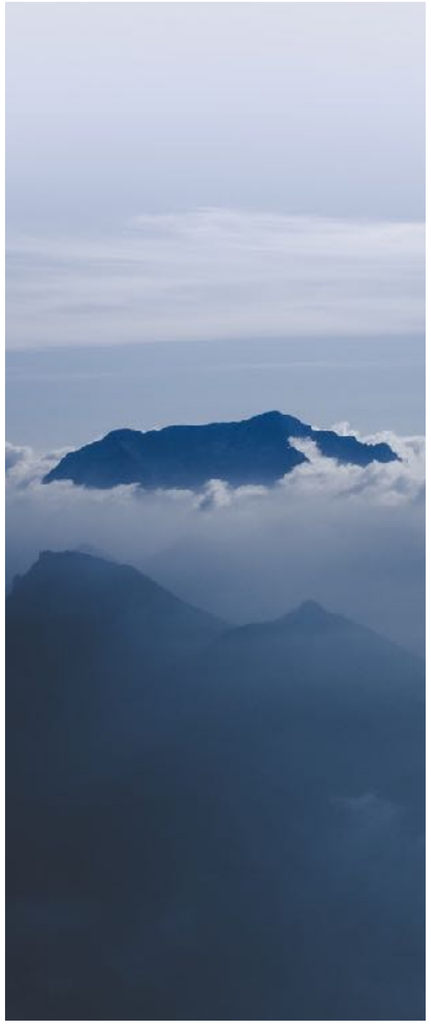
Layout

Github repo: *github.com/sdras/design-for-developers*

Layout

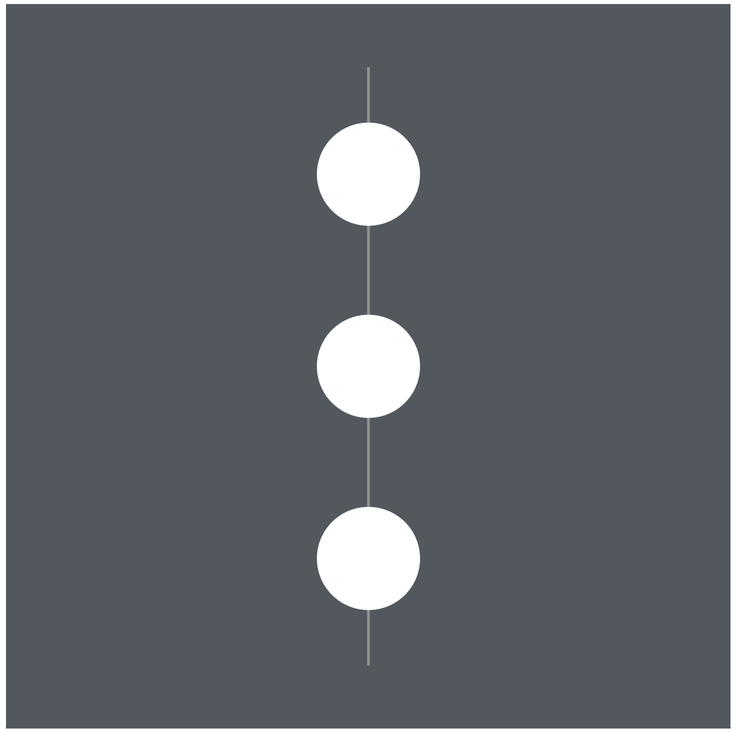
Grids

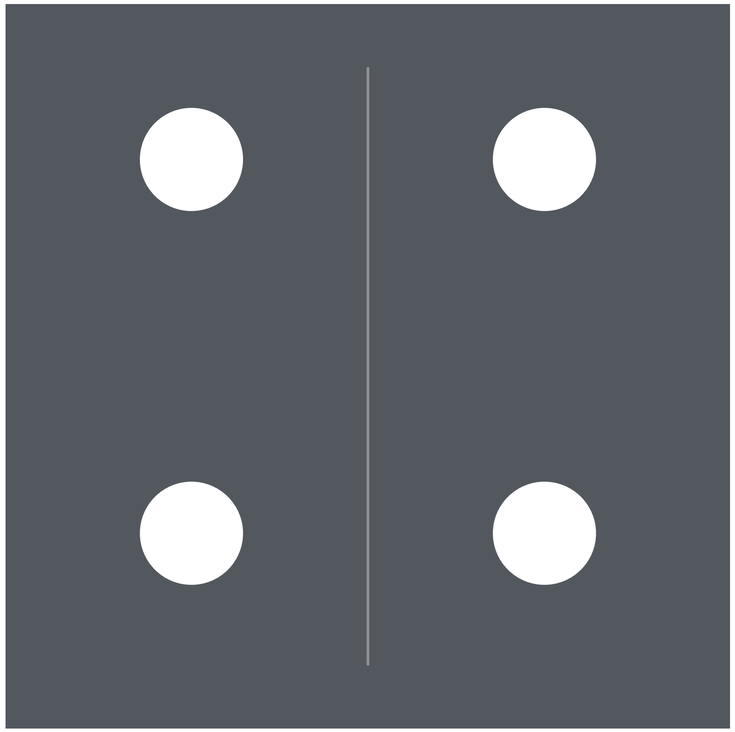
Why?



LAYOUT

Balance: Symmetry





LAYOUT

Balance: Symmetry

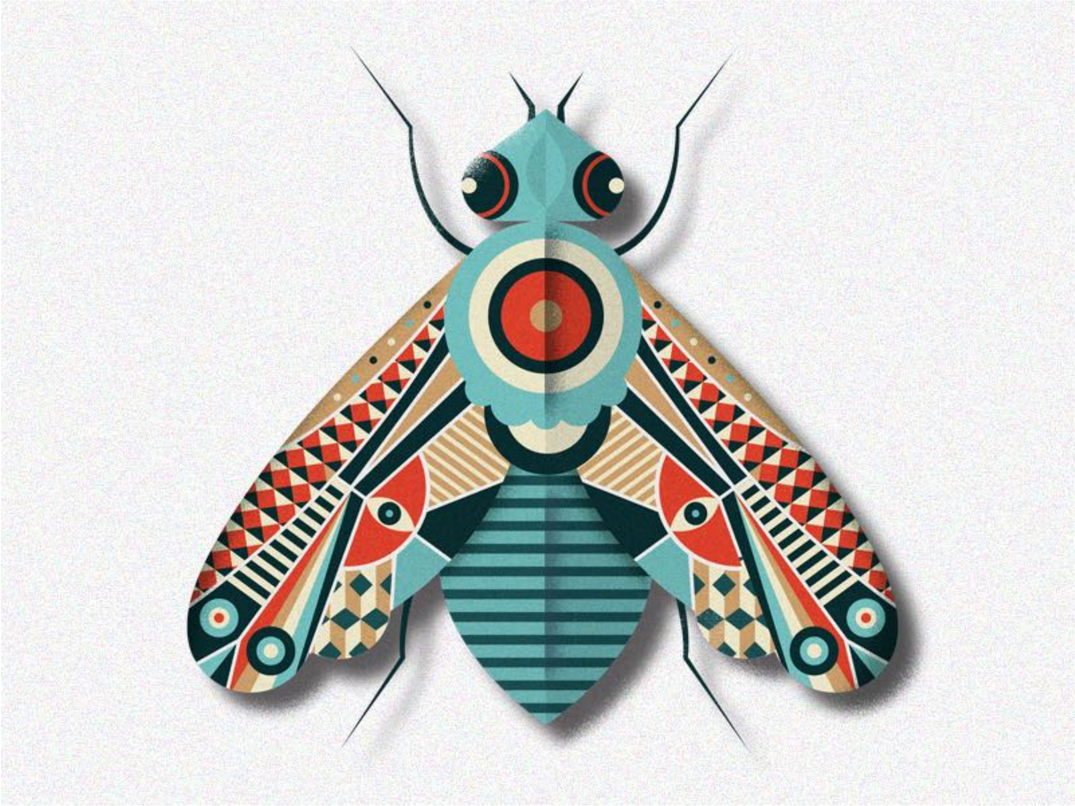
LAYOUT

Balance: Symmetry

LAYOUT

Balance: Symmetry

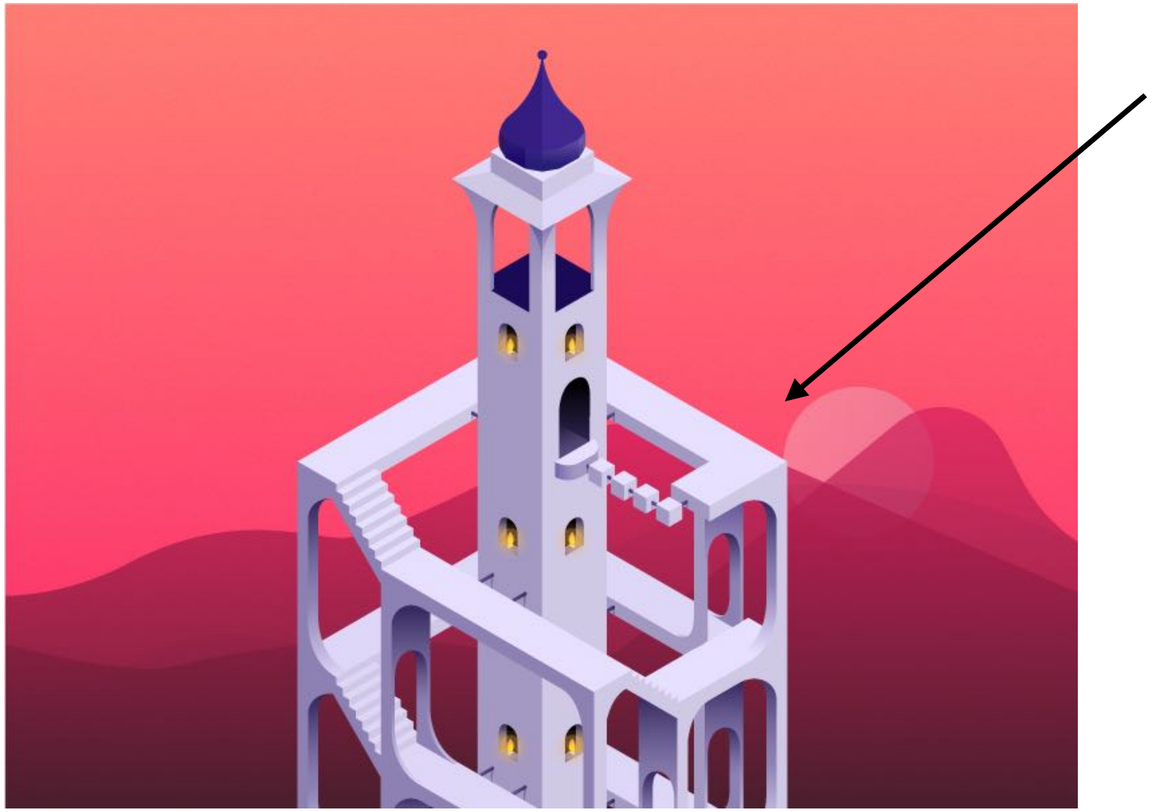
BEN KOCINSKI



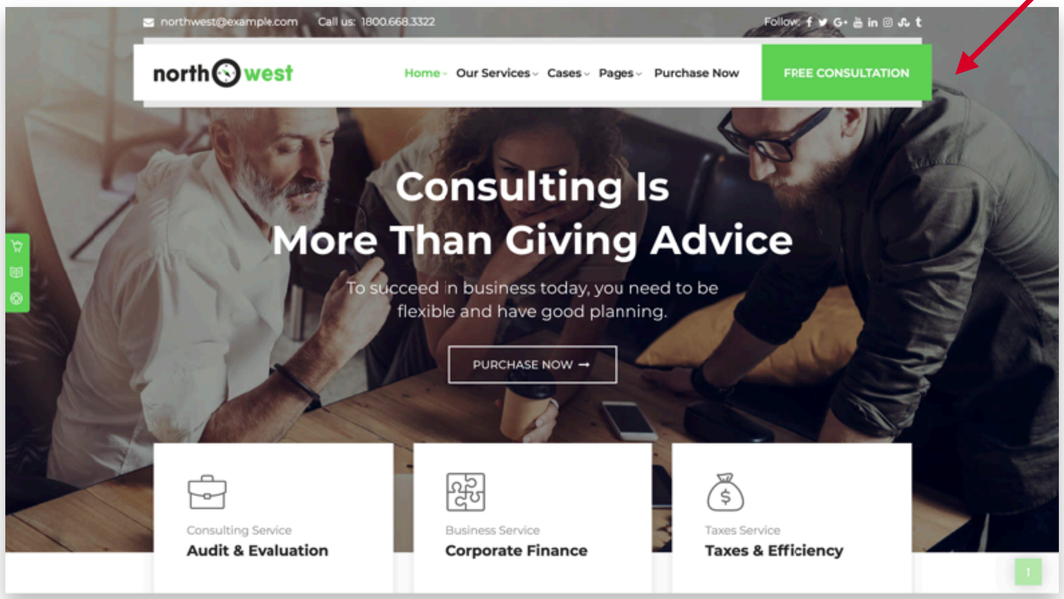
BAILEY SULLIVAN

LAYOUT

Balance: Symmetry



YANNIS ABELAS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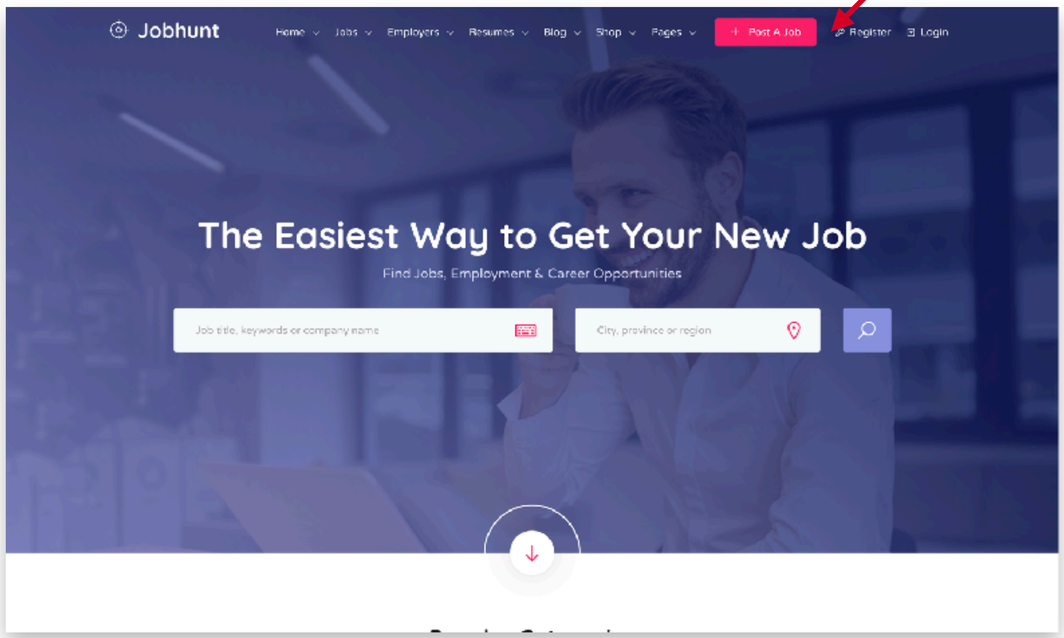
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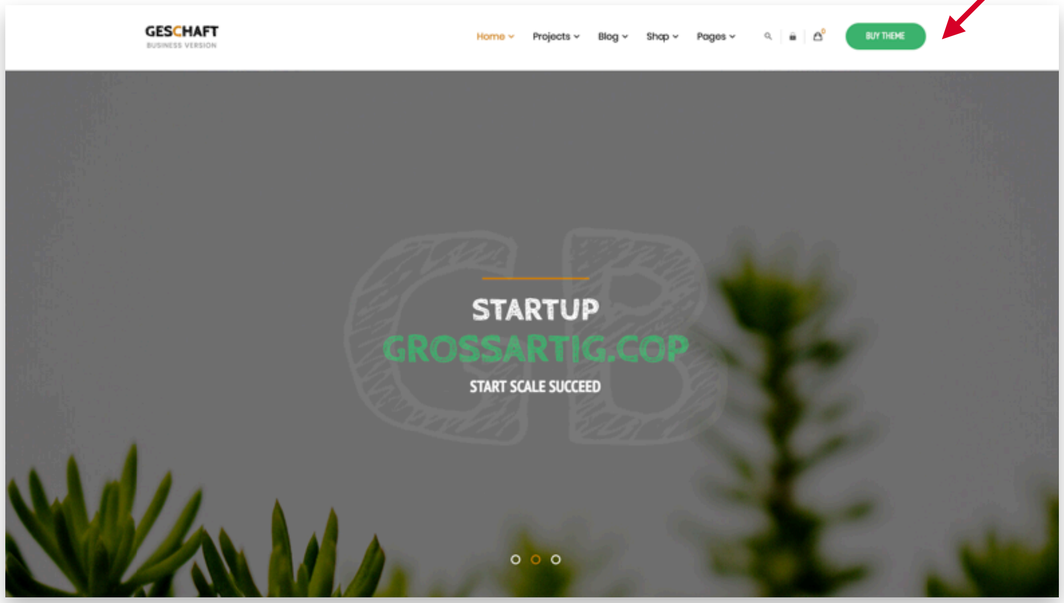
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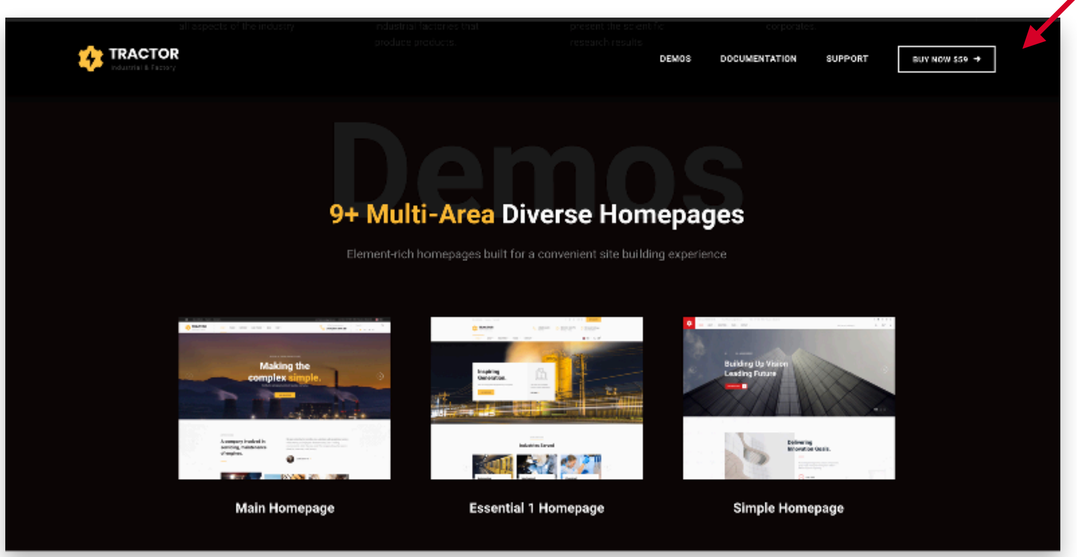
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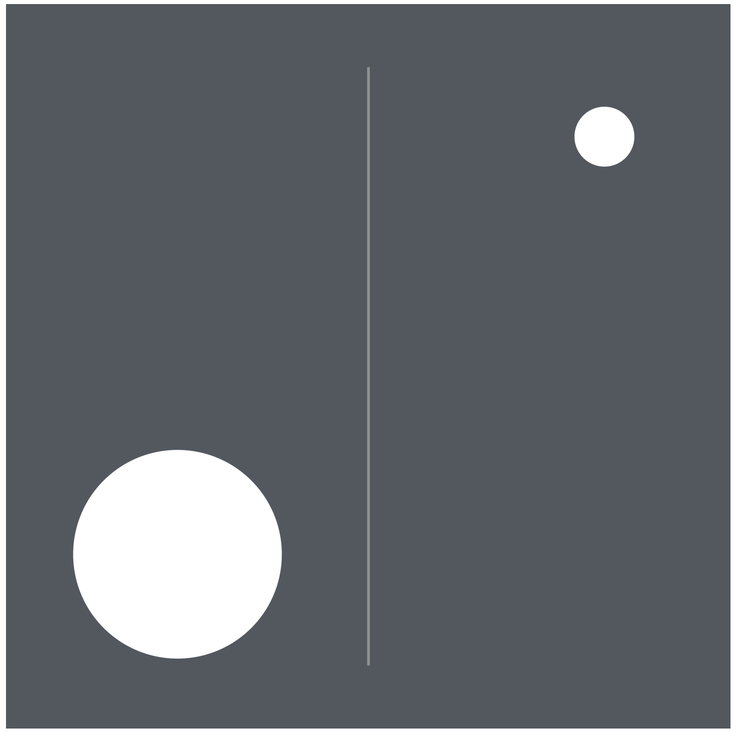
LAYOUT

Balance: Asymmetry



LAYOUT

Balance: Asymmetry

LAYOUT

Balance: Asymmetry

LAYOUT

Balance: Asymmetry

LAYOUT

Balance: Asymmetry

WABI SABI

TEAM

Orizon Design

Montréal, Canada, USA

Design Agency. We designed and built products with startups and leaders like Apple, Google, Uber, Tinder...

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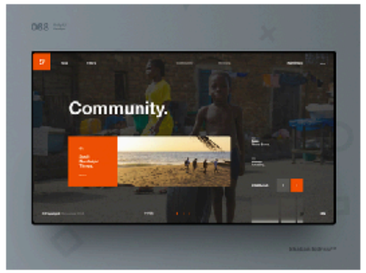
MEMBERS

SKILLS

animation | augmented reality | interaction design | logo design | mobile design | motion design | product strategy | ui | ux | virtual reality | web design

ELSEWHERE

instagram.com/orizon.design



76 0 21

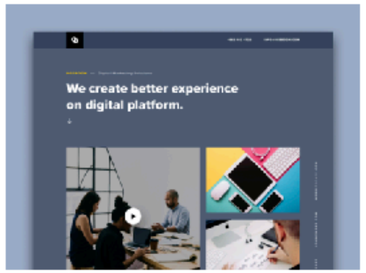
Shaban Iddrisu™

77 0 12

Daniel Snows

4,206 9 311

Aurélien Salomon →



528 0 42

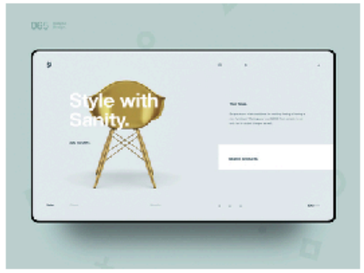
doonnn

663 5 58

MaryFang

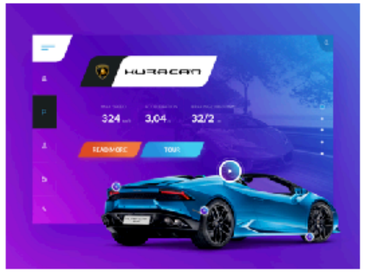
385 6 42

Manuel Rovira



616 4 64

Shaban Iddrisu™



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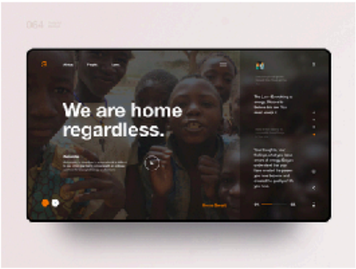
Daniel Snows



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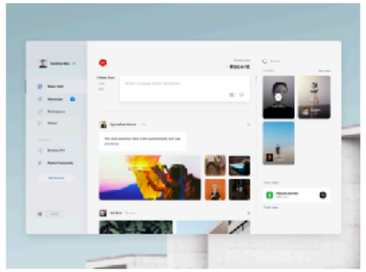
Shaban Iddrisu™



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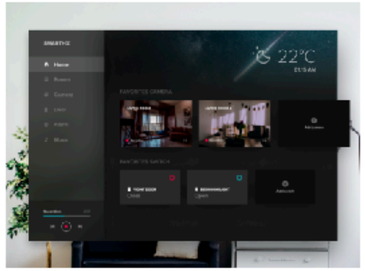


787 1 50

doonnn

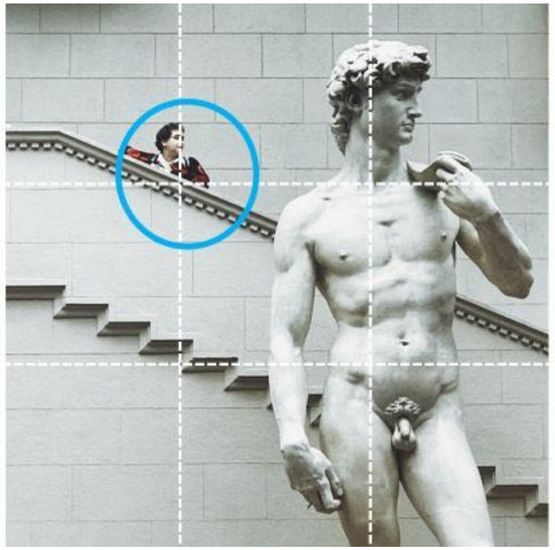
19,092 13 533

Aurélien Salomon →

Layout: Asymmetry

Rule of thirds

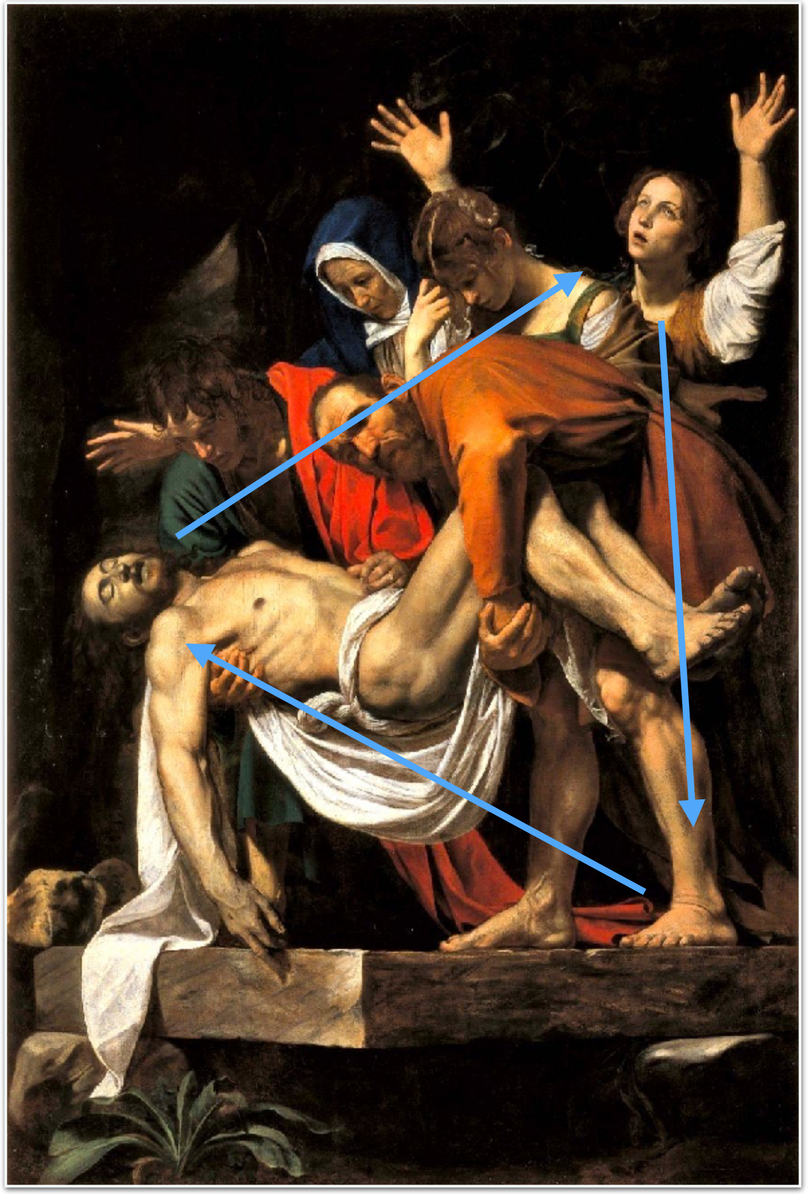
In Photography



Layout: Asymmetry

Triad Composition

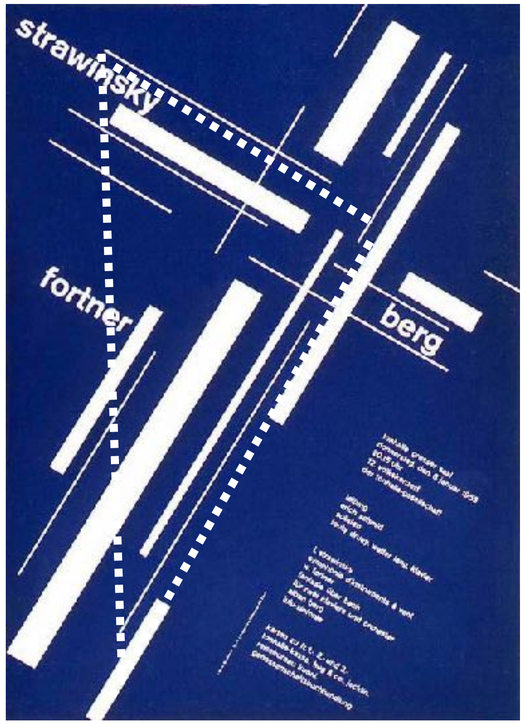
In Painting



Layout: Asymmetry

Triad Composition

In Painting



Swiss Design

Shape

Layout

Shape

Circles draw your eye.

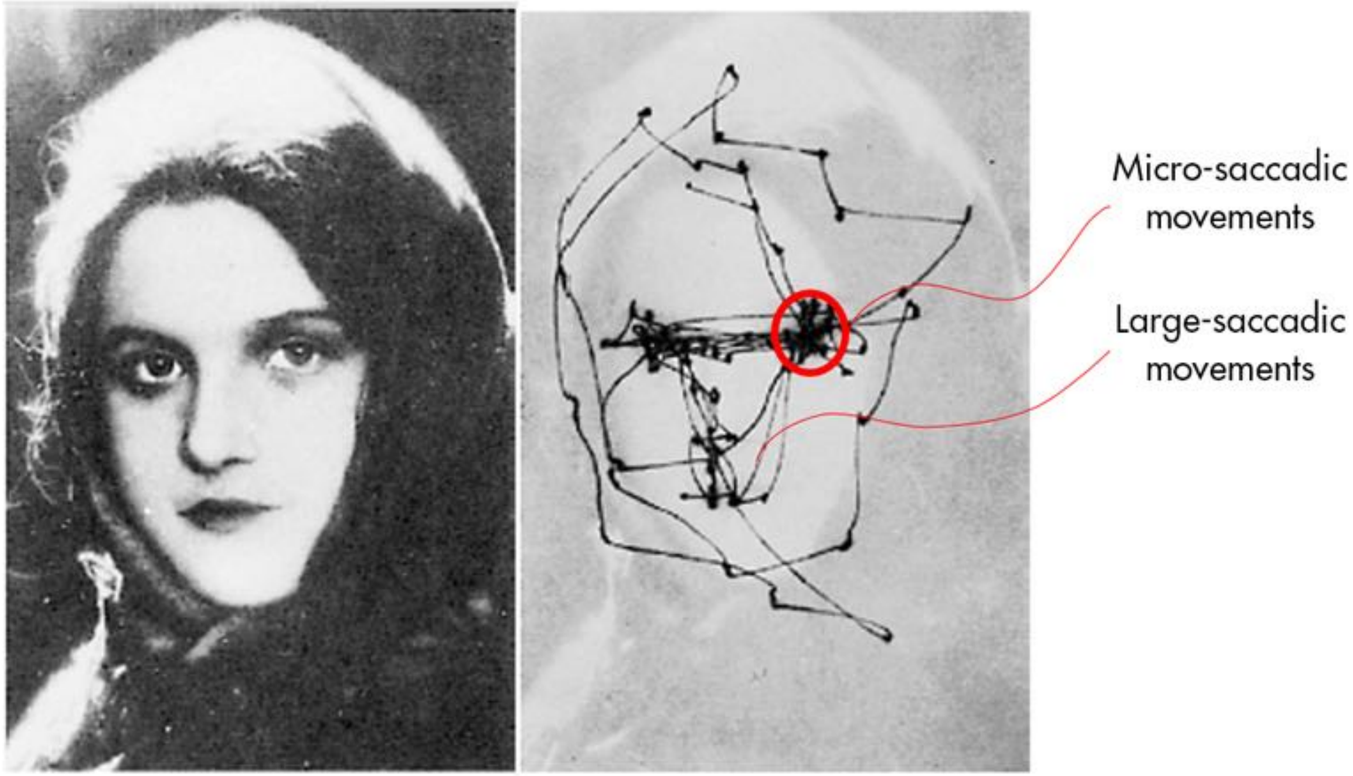
SCANNING

SACCADE

Layout

Shape

Circles draw your eye.

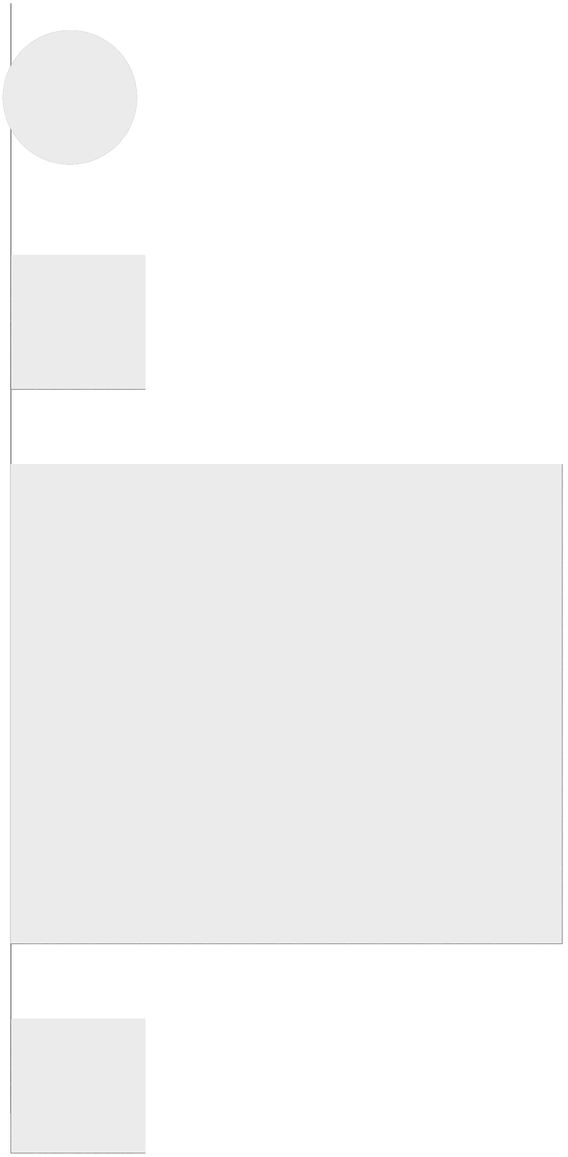


Theory: faces and eyes

Layout

Shape

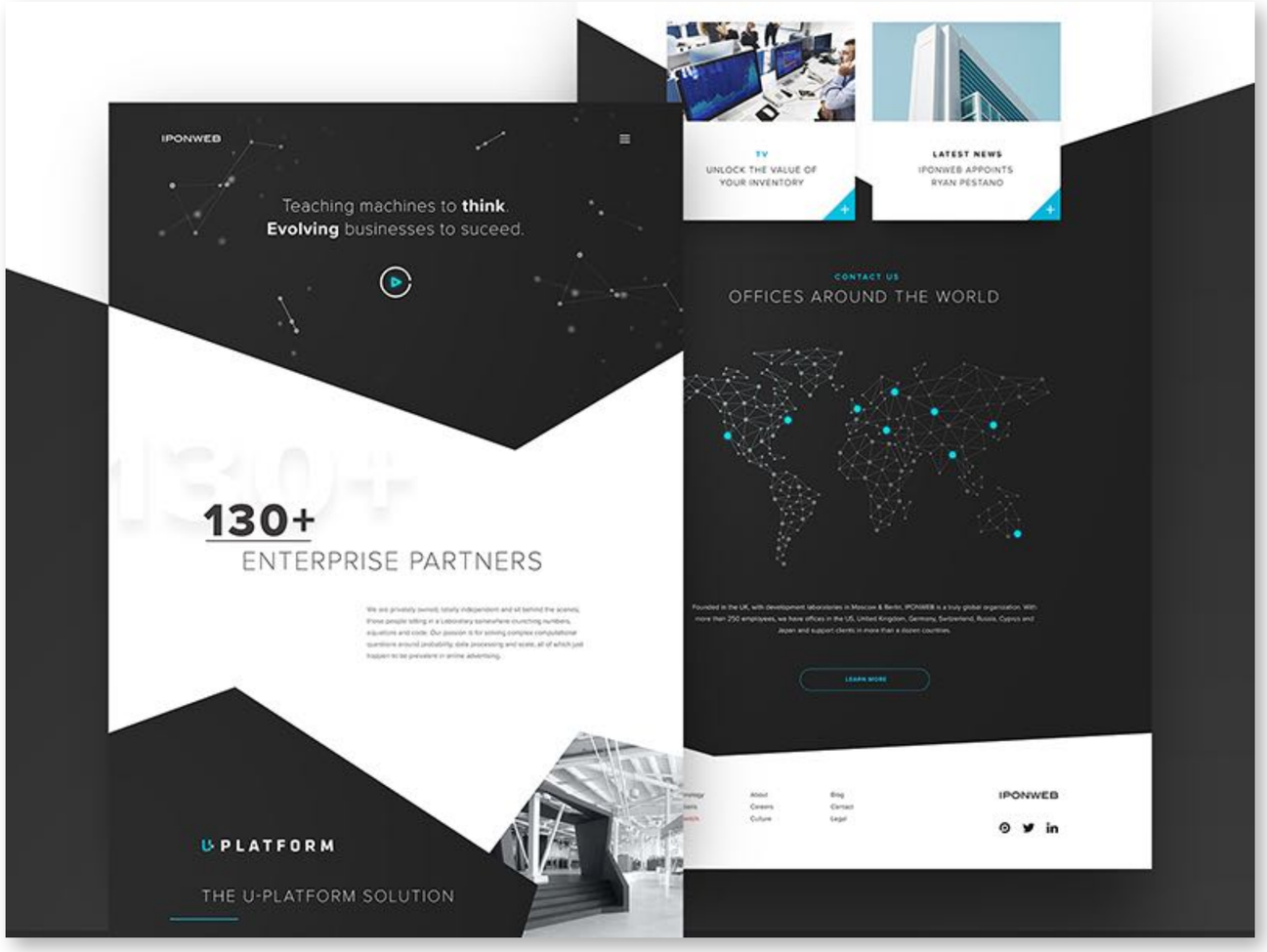
But circles live outside of lines



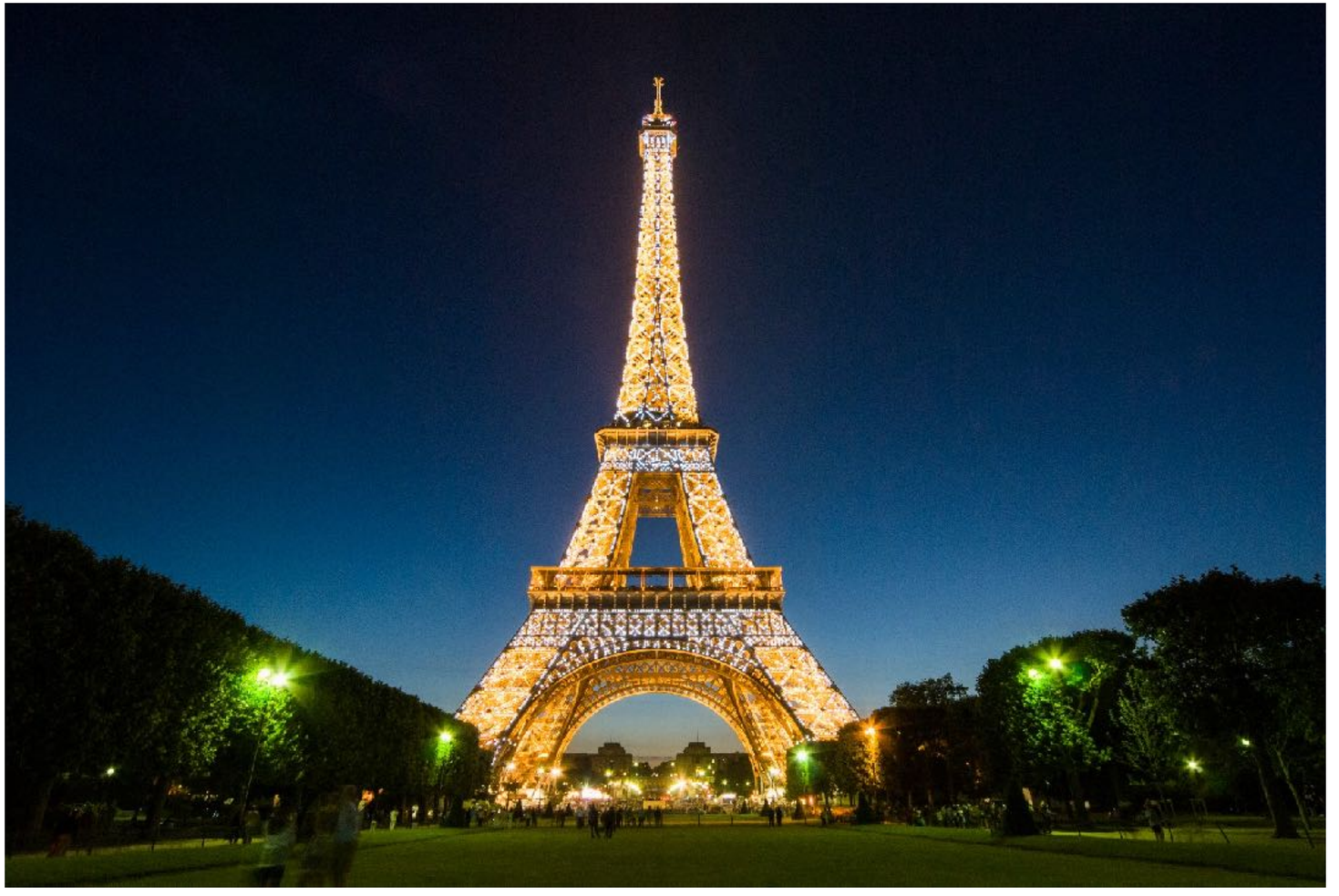
Layout

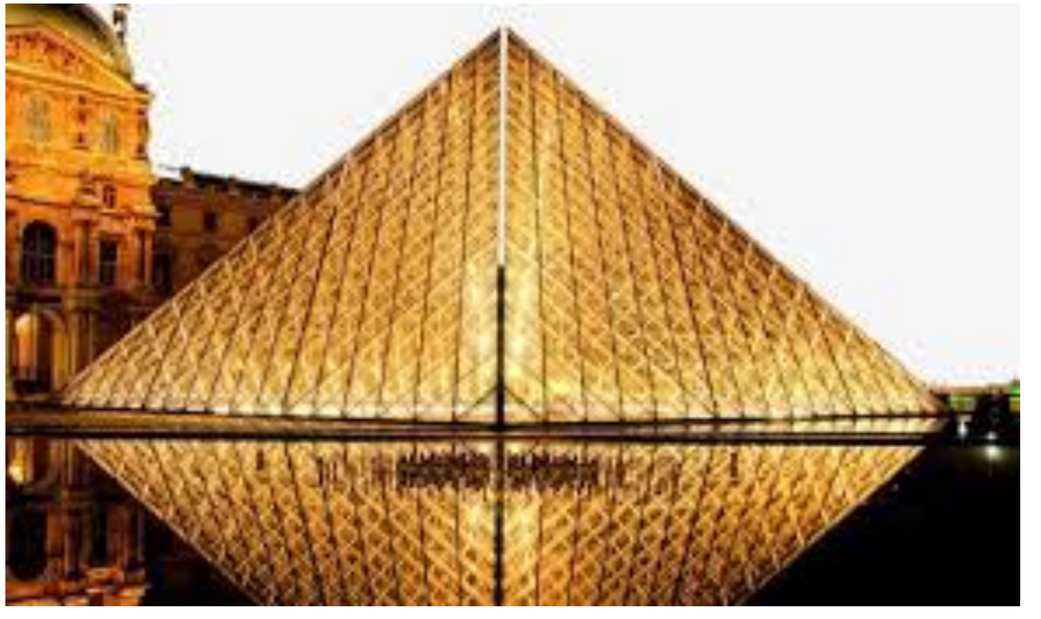
Shape

Diagonals are dynamic



CHRIS BRAMFORD





Layout

Shape

Diagonals are dynamic

Scale

Layout

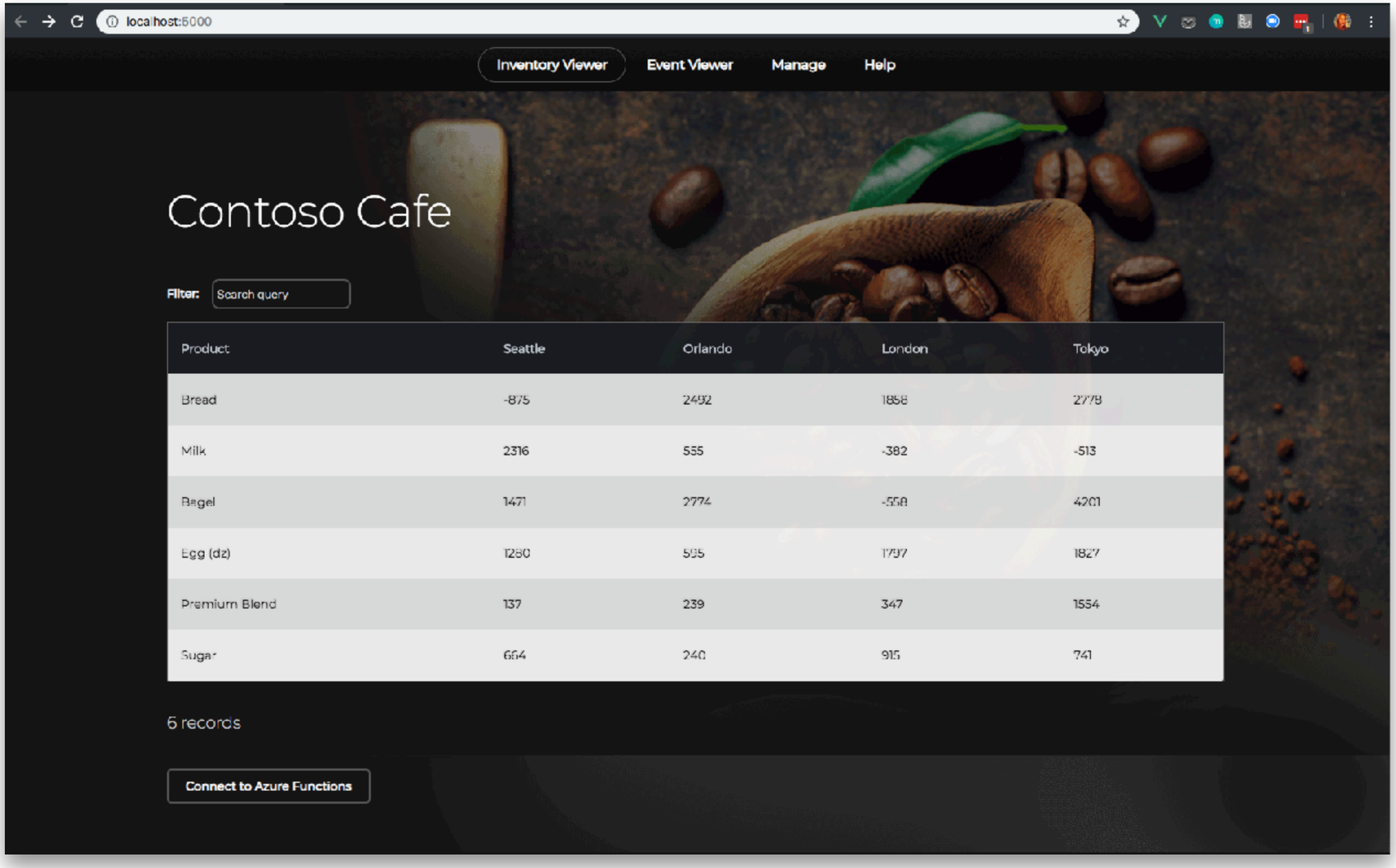
Scale

Scale and Cropping

Layout

Scale

Scale and Cropping



Layouts

Book recommendation

Making and Breaking the Grid

DeFacto old school.

Layouts

Anchoring

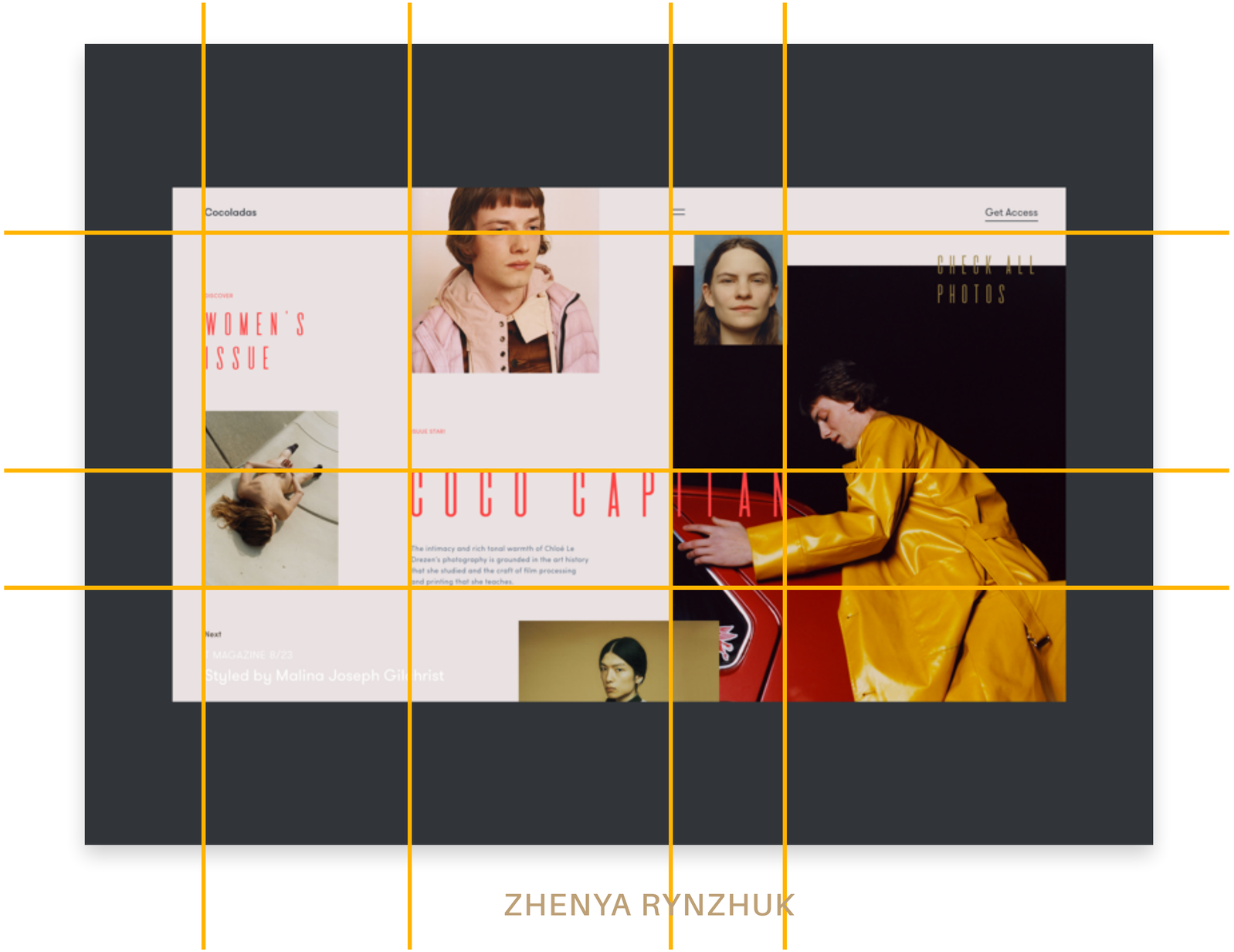
Making it cohesive.

JACK DALY

Layouts

Anchoring

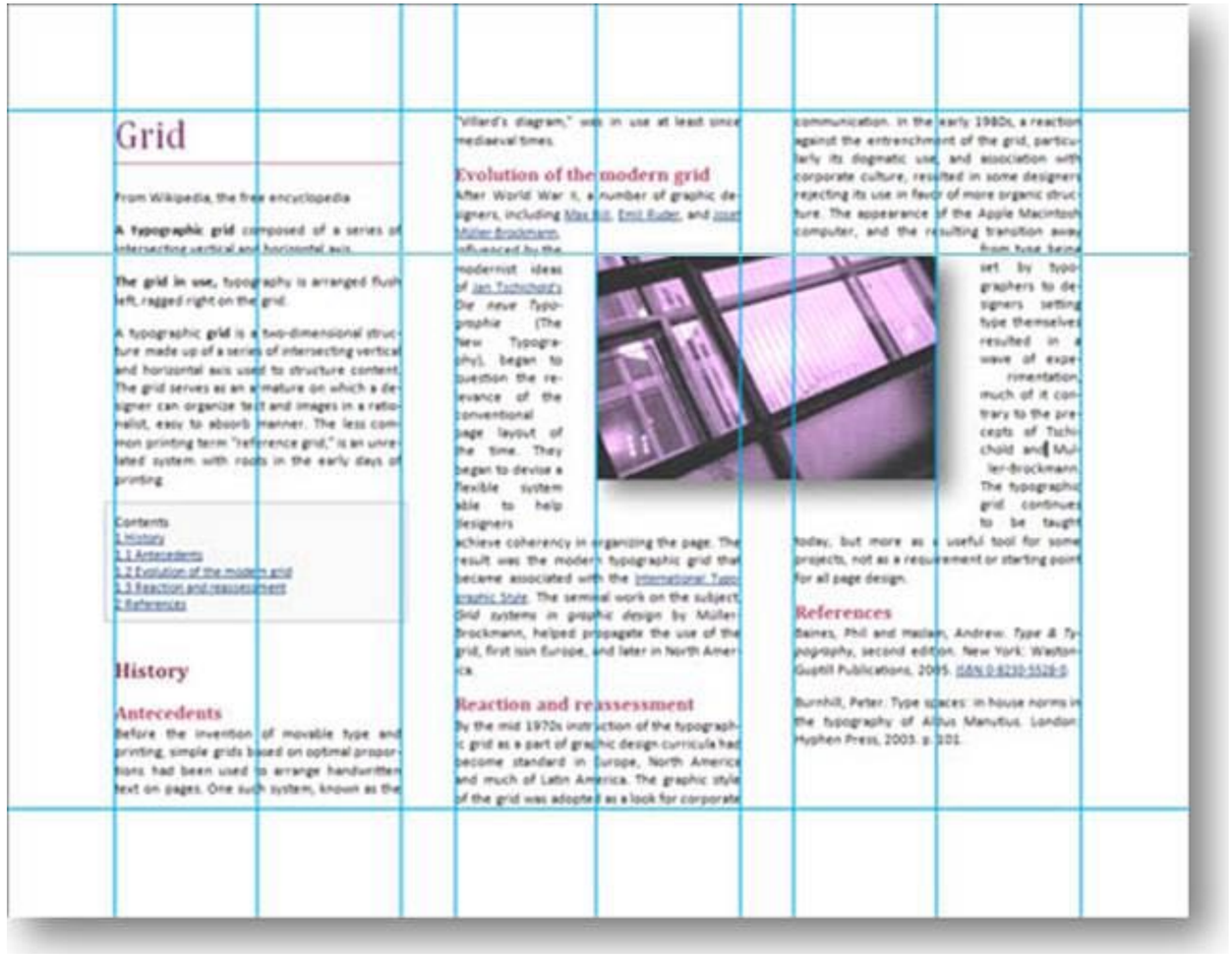
Making it cohesive.



ZHENYA RYNZHUK

Layout

Grid



Grid

From Wikipedia, the free encyclopedia

A typographic grid composed of a series of intersecting vertical and horizontal axis.

The grid in use, typography is arranged flush left, ragged right on the grid.

A typographic **grid** is a two-dimensional structure made up of a series of intersecting vertical and horizontal axis used to structure content. The grid serves as an armature on which a designer can organize text and images in a rational, easy to absorb manner. The less common printing term "reference grid," is an unrelated system with roots in the early days of printing.

Contents
1 History
1.1 Antecedents
1.2 Evolution of the modern grid
1.3 Reaction and reassessment
2 References

History

Antecedents

Before the invention of movable type and printing, simple grids based on optimal proportions had been used to arrange handwritten text on pages. One such system, known as the "Villard's diagram," was in use at least since medieval times.

Evolution of the modern grid

After World War II, a number of graphic designers, including Max Bill, Emil Ruder, and Josef Müller-Brockmann, influenced by the modernist ideas of Jan Tschichold's Die neue Typographie (The New Typography), began to question the relevance of the conventional page layout of the time. They began to devise a flexible system able to help designers achieve coherency in organizing the page. The result was the modern typographic grid that became associated with the International Typographic Style. The seminal work on the subject, Grid systems in graphic design by Müller-Brockmann, helped propagate the use of the grid, first isin Europe, and later in North America.

Reaction and reassessment

By the mid 1970s instruction of the typographic grid as a part of graphic design curricula had become standard in Europe, North America and much of Latin America. The graphic style of the grid was adopted as a look for corporate communication. In the early 1980s, a reaction against the entrenchment of the grid, particularly its dogmatic use, and association with corporate culture, resulted in some designers rejecting its use in favor of more organic structure. The appearance of the Apple Macintosh computer, and the resulting transition away from type being set by typographers to designers setting type themselves resulted in a wave of experimentation, much of it contrary to the precepts of Tschichold and Müller-Brockmann. The typographic grid continues to be taught today, but more as a useful tool for some projects, not as a requirement or starting point for all page design.

References

Baines, Phil and Haslam, Andrew: Type & Typography, second edition. New York: Watson-Guptill Publications, 2005. ISBN 0-8230-5528-5

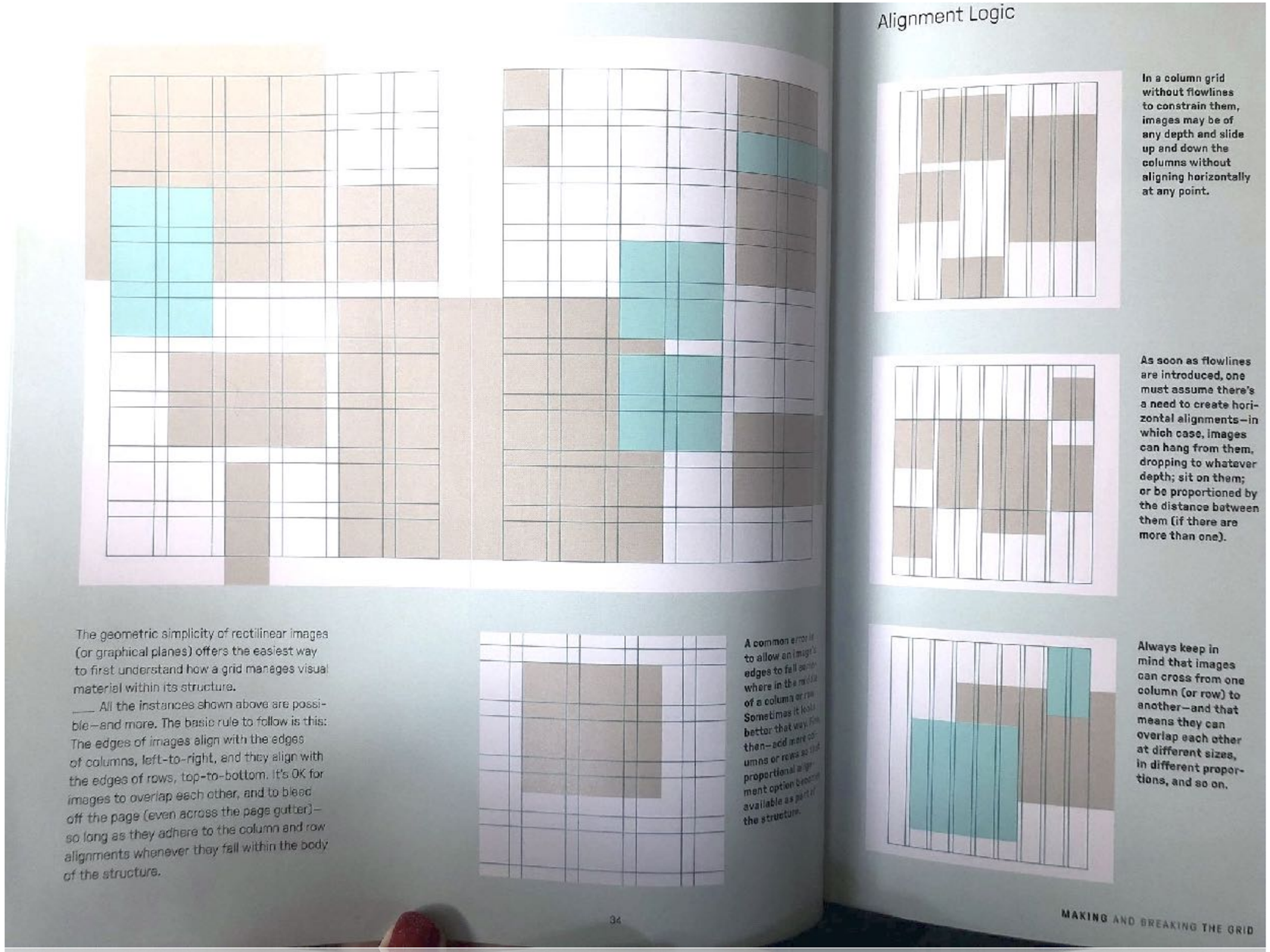
Burnhill, Peter: Type spaces: in-house norms in the typography of Aldus Manutius. London: Hyphen Press, 2003. p. 101.

Provides a systematic order to layout

“The architecture of space” - Timothy Samara

Layout

Grid



The geometric simplicity of rectilinear images (or graphical planes) offers the easiest way to first understand how a grid manages visual material within its structure.

___ All the instances shown above are possible—and more. The basic rule to follow is this: The edges of images align with the edges of columns, left-to-right, and they align with the edges of rows, top-to-bottom. It's OK for images to overlap each other, and to bleed off the page (even across the page gutter)—so long as they adhere to the column and row alignments whenever they fall within the body of the structure.

A common error is to allow an image's edges to fall somewhere in the middle of a column or row. Sometimes it looks better that way. Then—and more columns or rows as the proportional alignment option becomes available as part of the structure.

34

Alignment Logic

In a column grid without flowlines to constrain them, images may be of any depth and slide up and down the columns without aligning horizontally at any point.

As soon as flowlines are introduced, one must assume there's a need to create horizontal alignments—in which case, images can hang from them, dropping to whatever depth; sit on them; or be proportioned by the distance between them (if there are more than one).

Always keep in mind that images can cross from one column (or row) to another—and that means they can overlap each other at different sizes, in different proportions, and so on.

MAKING AND BREAKING THE GRID

Making and breaking the grid

ON GRIDS

The grid is like a lion in a cage, and the designer is the lion tamer.

It’s fun to play with the lion, but the design has to know when to get out before the lion eats them.

—

Massimo Vignelli

Layout

Tools.

- Photoshop
- Illustrator
- Sketch

PSD

Layout

Tools

Working with Photoshop. Quickeys.

v Move tool

Move objects around.

m Marquee

Create a selection.

g Paint bucket

Either paint bucket or gradient depending on if you press shift key.

d Default colors

Switches to default colors, black and white. Can use x to switch background/ foreground.

t Text

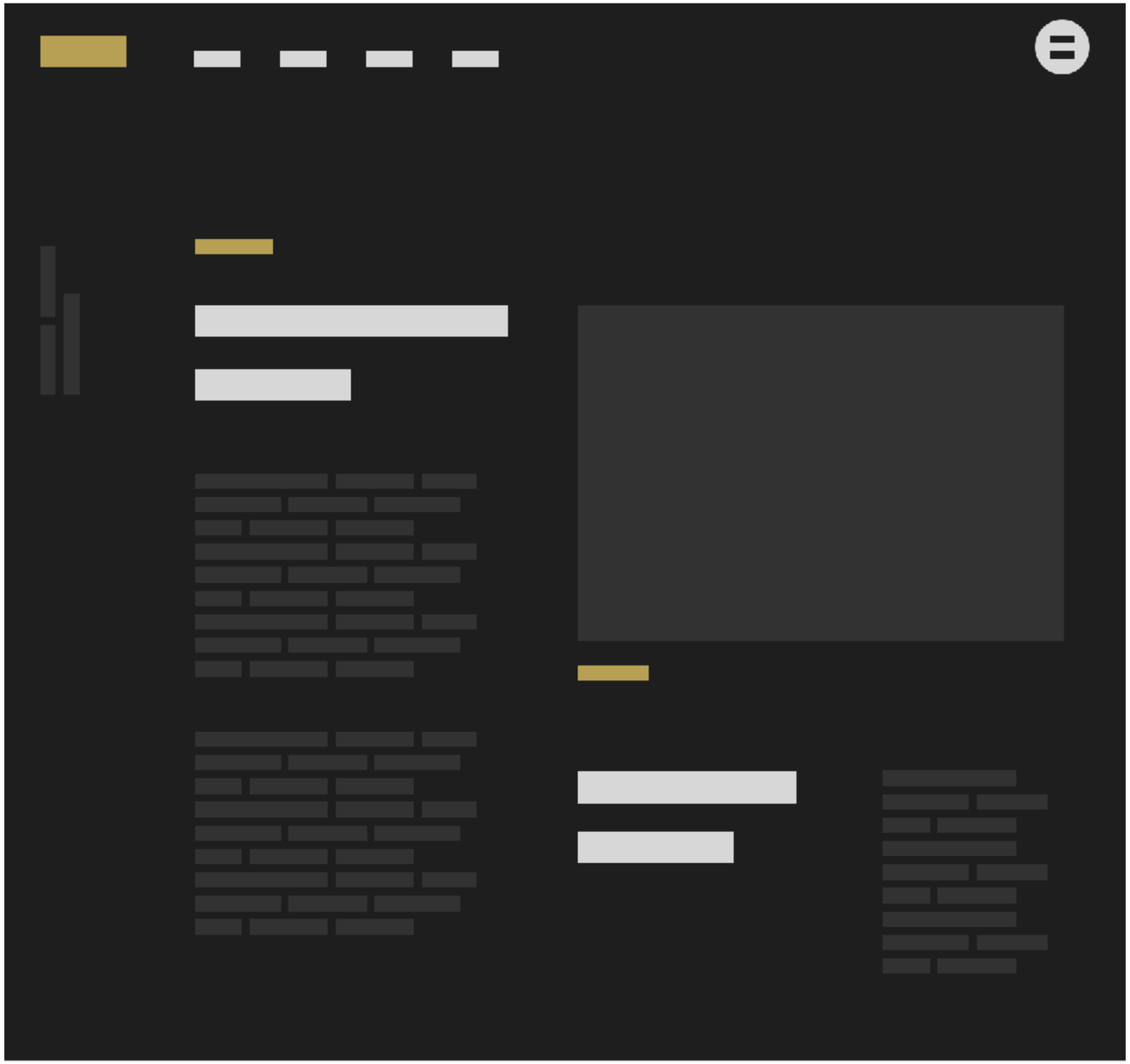
Work with text. If you draw a selection first, you will have a text box to work with.

i Eyedropper

Grab a particular color to reuse quickly.

DEMO

TIME!



Exercise

Get out yer pens!

Create 3 compositions with just primitive shapes

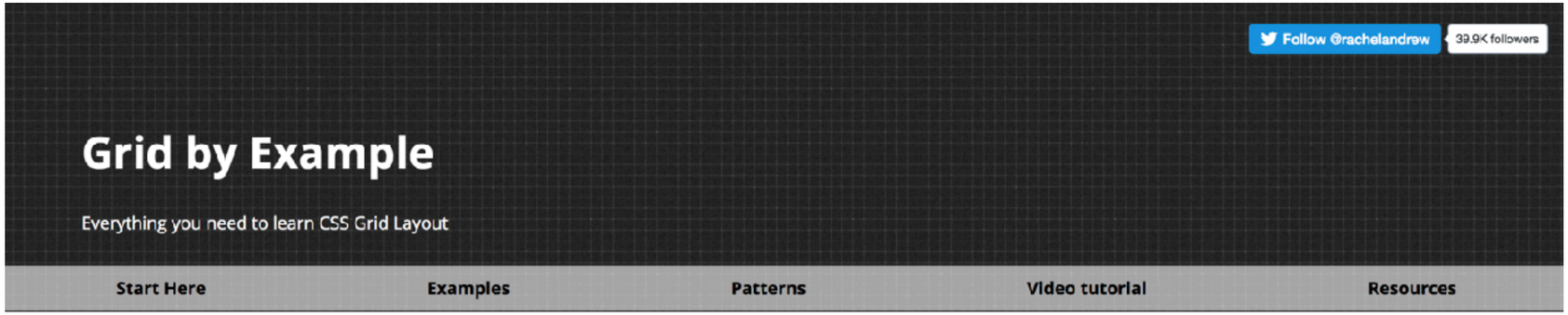
(circles, rectangles, triangles, lines)

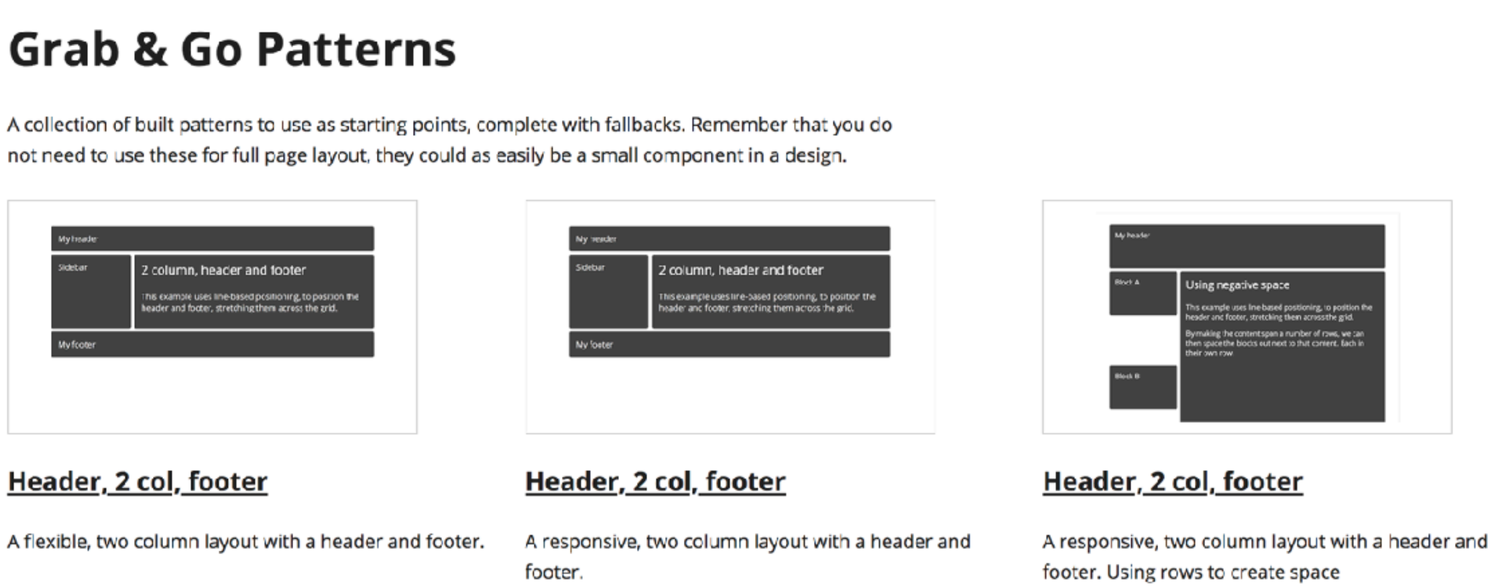
Layouts in CSS

Layouts

Grid

Patterns



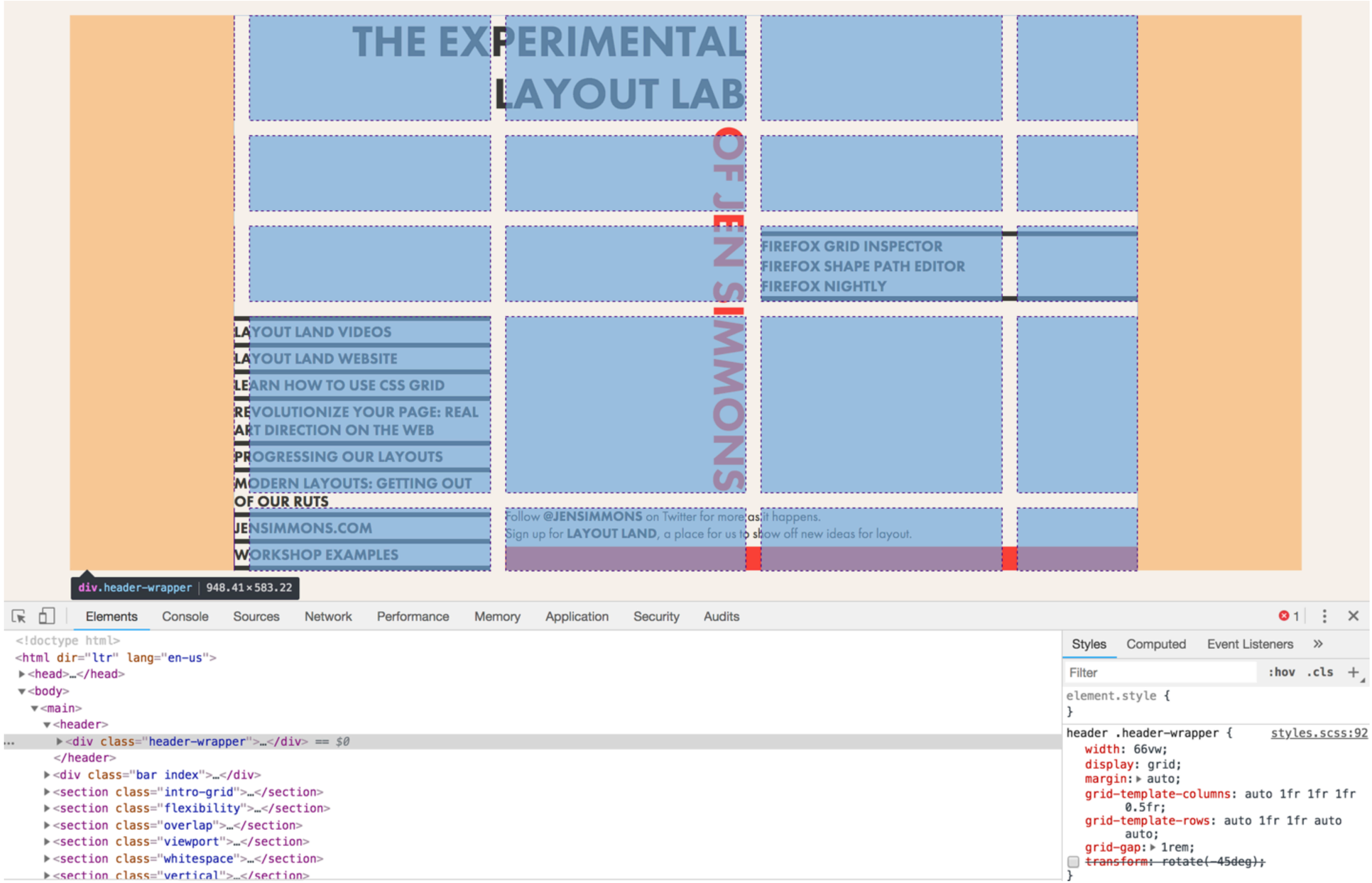


RACHEL ANDREW

Layouts

Grid

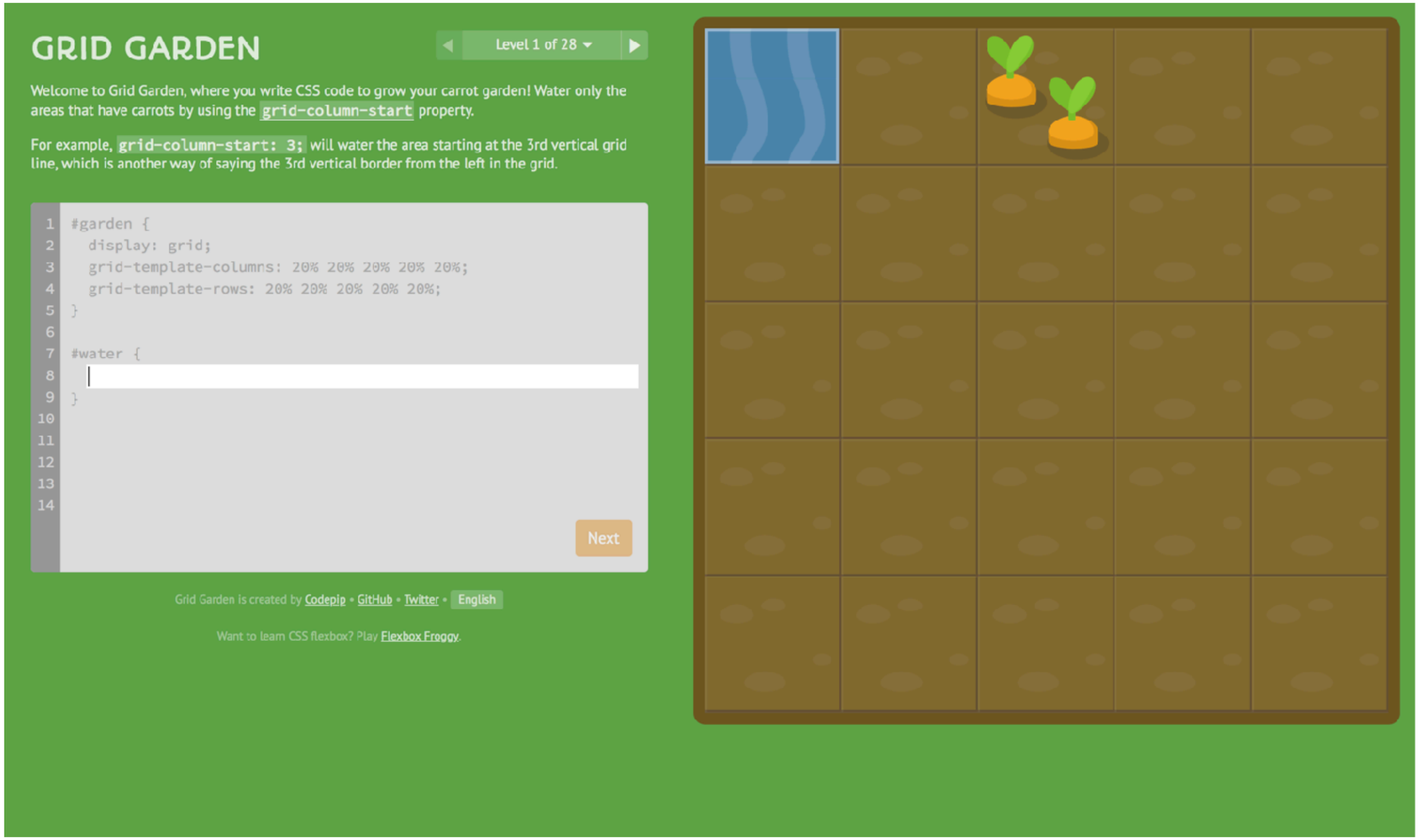
Labs



Layouts

Grid

Grid Garden



CSS Grid

Live code

(I AM NOT A GRID EXPERT)

https://codepen.io/sdras/pen/54dcd199a9f3dbf851b9a8f9c706b8f7

https://codepen.io/sdras/pen/927251d94ada804fea3af69537dbe212

https://codepen.io/sdras/pen/f79830e540a17a3690ab9a9e103b5256

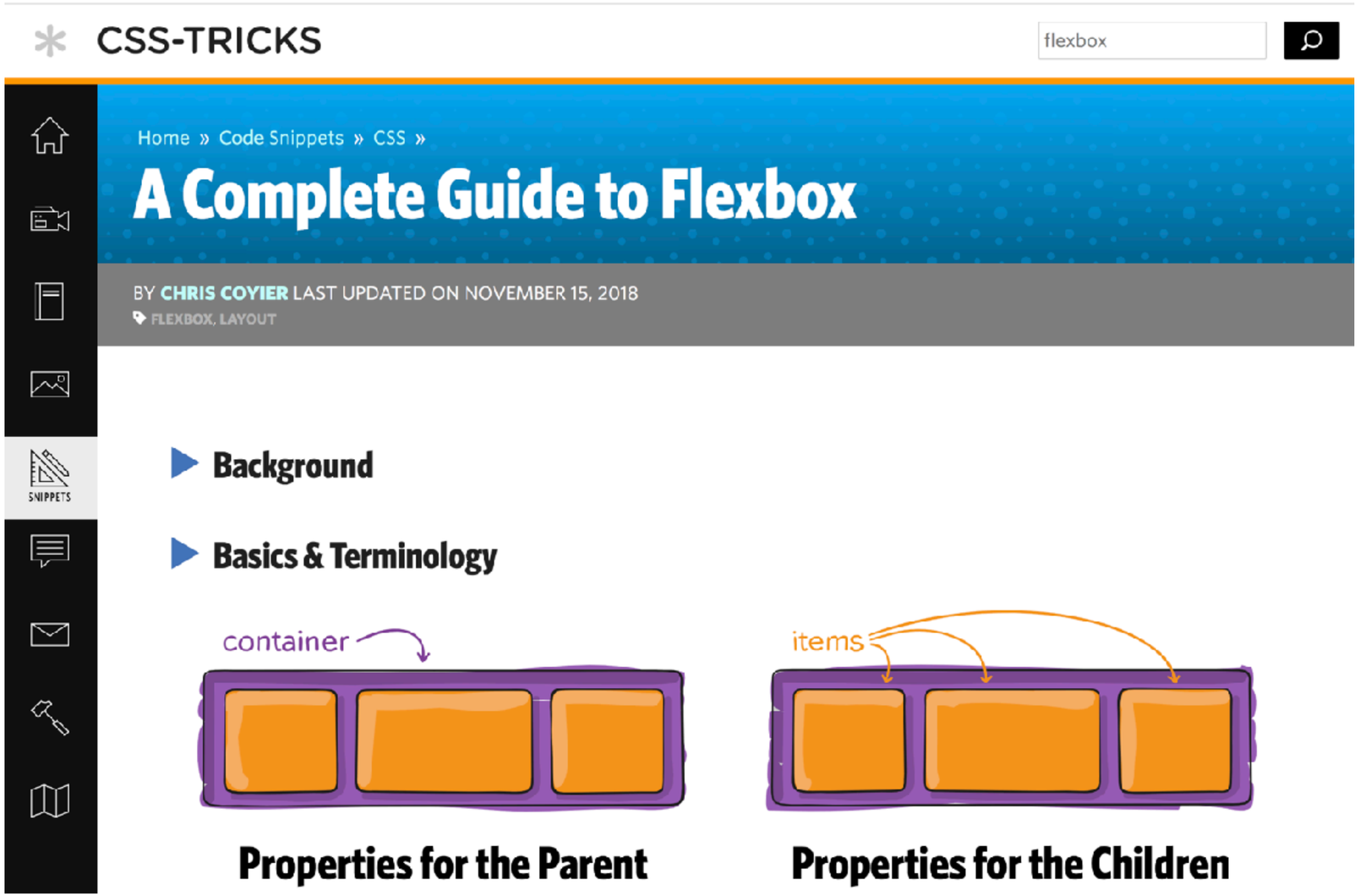
https://codepen.io/sdras/pen/74d210572cdd934e60982fa742243ebd

minmax: https://codepen.io/sdras/pen/2c40c78b80eda0f03010a6182376f29e

Layouts

Flexbox

Guide



CHRIS COYIER

Google

flexbox

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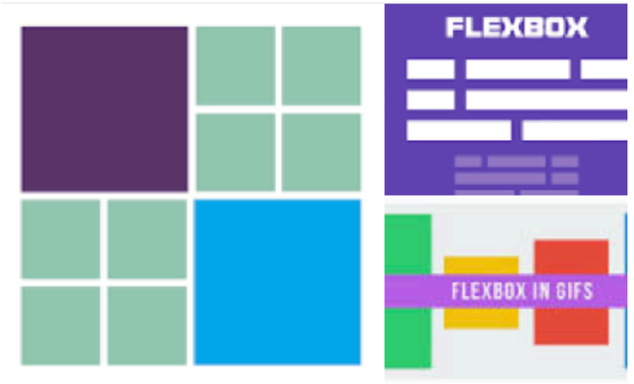
A Complete Guide to Flexbox | CSS-Tricks
https://css-tricks.com/snippets/css/a-guide-to-flexbox/
4 days ago - Our comprehensive guide to CSS flexbox layout. This complete guide explains everything about flexbox, focusing on all the different possible ...
Using Flexbox · Flex-wrap · A Complete Guide to Grid · Grid-row / grid-column
You keep visiting this page. Commit this to memory for goddsakes Sarah damn.

CSS Flexbox (Flexible Box) - W3Schools
https://www.w3schools.com/css/css3_flexbox.asp
CSS Flexbox Layout Module. Before the Flexbox Layout module, there were four layout modes: Block, for sections in a webpage; Inline, for text; Table, for ...

Flexbox - Learn web development | MDN



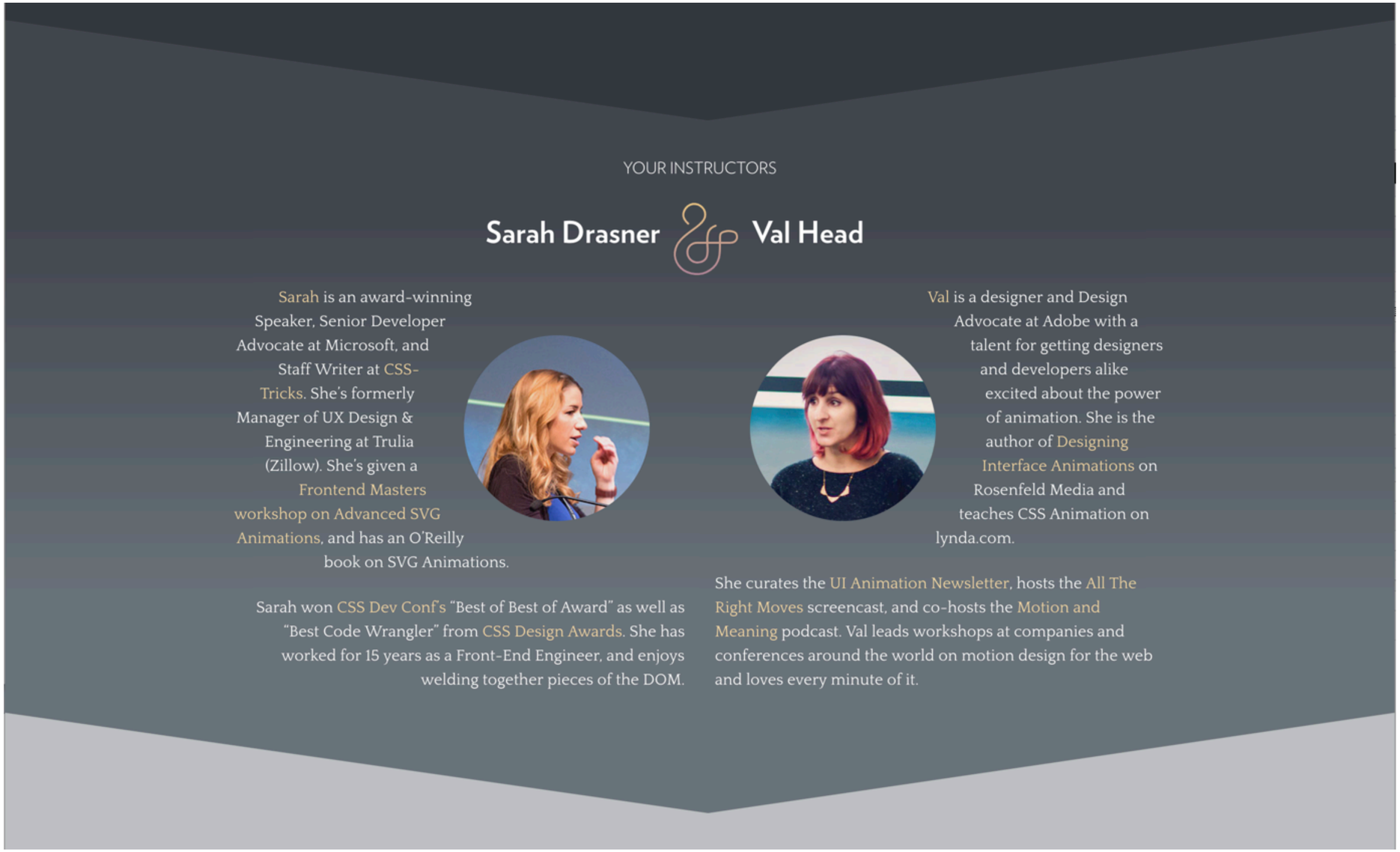
CSS flex-box layout

CSS flex-box layout is a CSS3 web layout model. It

Layouts

Shape

clip-path and shape-outside



https://bennettfeely.com/clippy/

CSS clip-path maker

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ads via Carbon

Triangle | Trapezoid | Parallelogram | Rhombus

Pentagon | Hexagon | Heptagon | Octagon

Nonagon | Decagon | Bevel | Rabbet

Left arrow | Right arrow | Left Point | Right Point

Left Chevron | Right Chevron | Star | Cross

Message | Close | Frame | Inset

Custom Polygon | Circle | Ellipse

Prefix -webkit

Demo Size 280 × 280

Demo Background

```
-webkit-clip-path: polygon(50% 0%, 0% 100%, 100% 100%);
clip-path: polygon(50% 0%, 0% 100%, 100% 100%);
```

CSS and SVG Masks

Live demo

CSS clip

1

Specification

CSS

```
.item {
  position: absolute;
  clip: rect(10px, 190px, 190px, 10px);
  }
```

CSS clip-path

2

Specification

CSS

```
.item {
  ~~clip-path: circle(100px, 100px, 100px);~~
  clip-path: circle(100px at center);
  }
```

Syntax for circle was chnaged, to radial gradient syntax

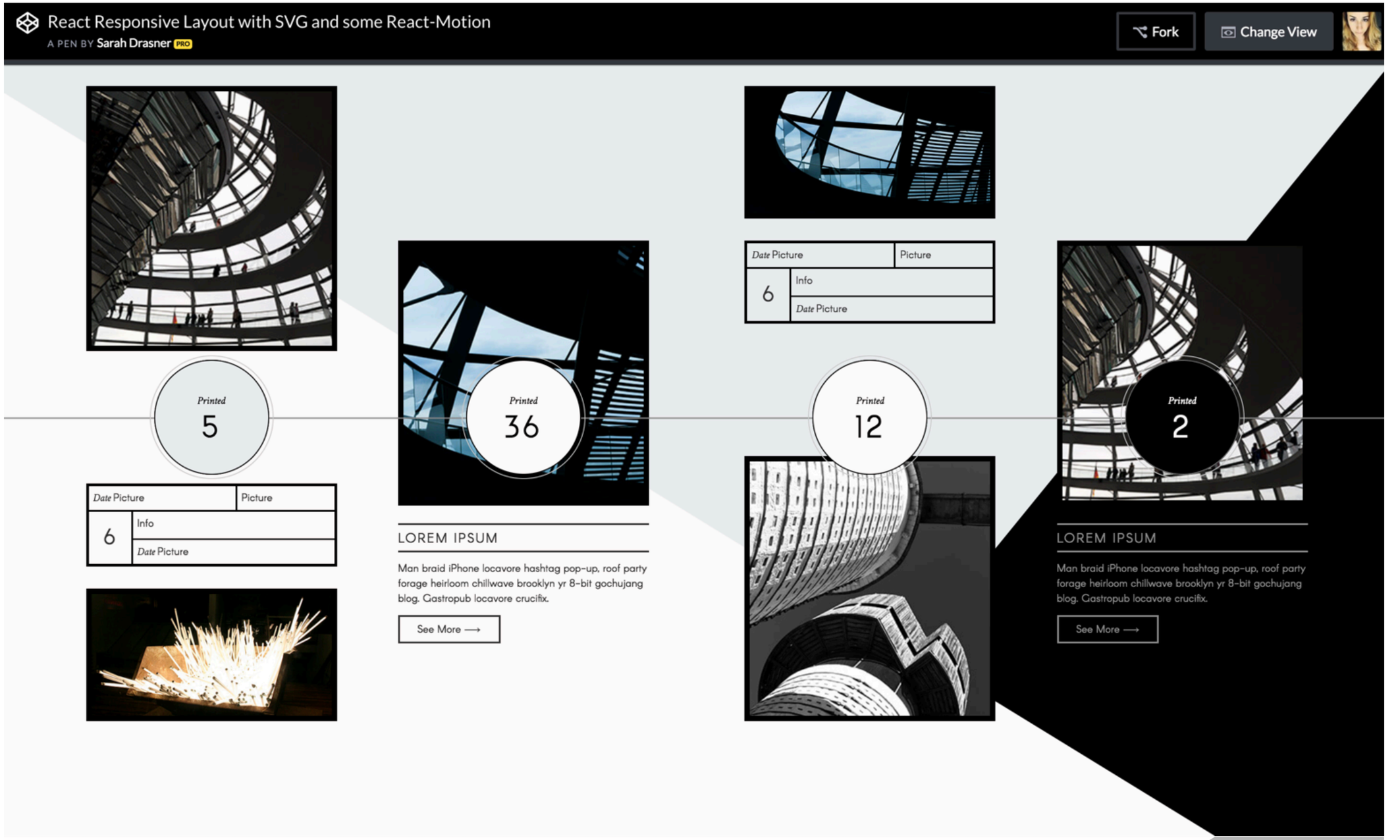
SVG clip-path for SVG elements

3

Specification

SVG

https://s.codepen.io/yoksel/debug/fsdbu/jVkpoyweDWyA



https://codepen.io/sdras/full/XdgBOa

Layouts

Type

CSS writing-mode

Value	Vertical script	Horizontal script	Mixed script
horizontal-tb	我家没有电脑。	Example text	1994年に至っては
vertical-lr	我家没有电脑。	Example text	1994年に至っては
vertical-rl	我家没有电脑。	Example text	1994年に至っては
sideways-lr	我家没有电脑。	Example text	1994年に至っては
sideways-rl	我家没有电脑。	Example text	1994年に至っては

Layouts

Type

CSS writing-mode

https://dribbble.com/shots/3925911-Visual-exploration

DEMO

TIME!

Exercise

Fire up your editors!

Take one of your last compositions and recreate it in code