

The Beauty of Constraints

By Faruk Ateş





Constraints are everywhere



Physical





1924



Financial





Attention spans

The “5 second rule” for presentation slides





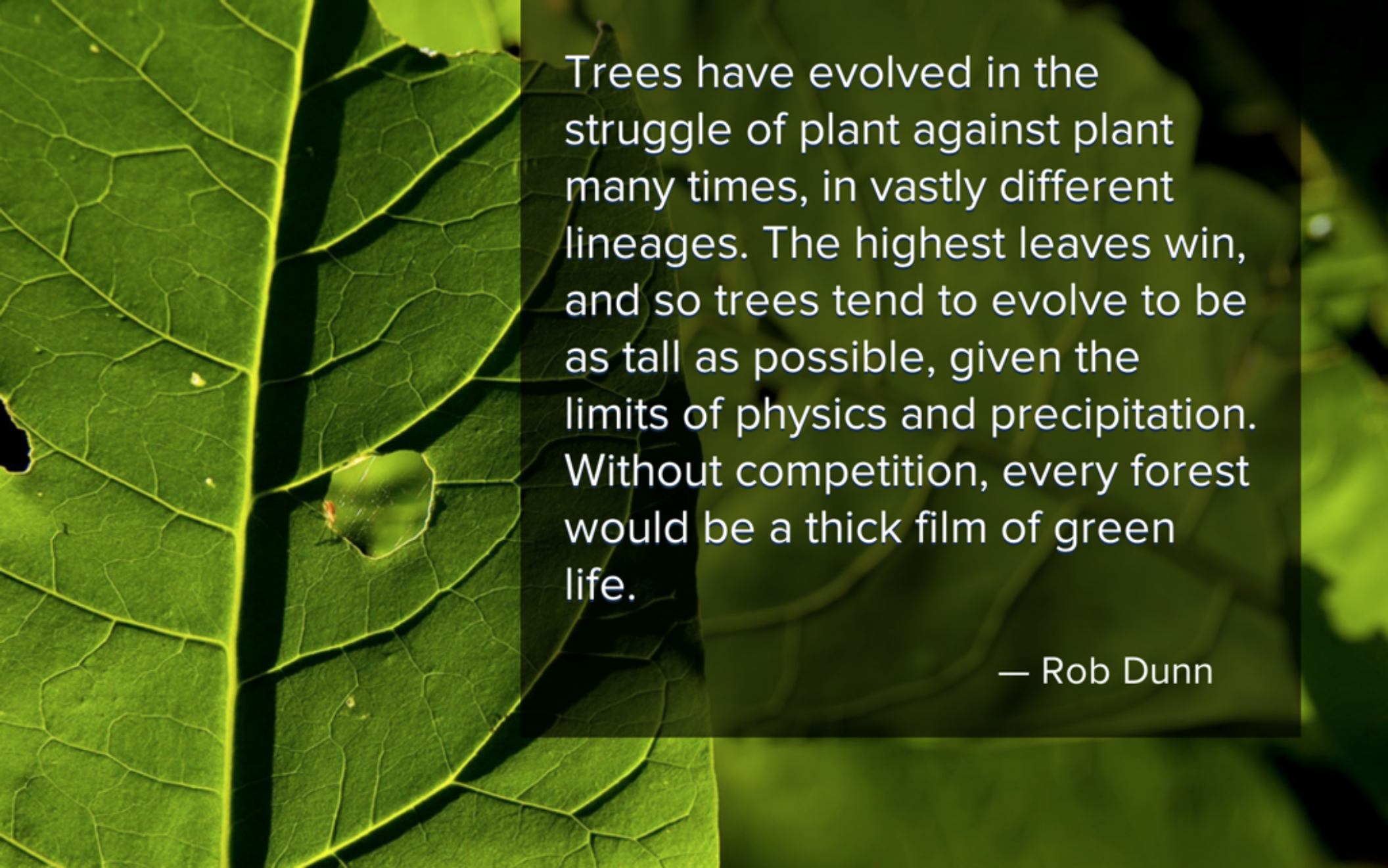
TED

CARS vs. BIKES



Zero-bug software





Trees have evolved in the struggle of plant against plant many times, in vastly different lineages. The highest leaves win, and so trees tend to evolve to be as tall as possible, given the limits of physics and precipitation. Without competition, every forest would be a thick film of green life.

— Rob Dunn

Freedom



The Boston Globe

BRIAN MCGORRY

A gift of a luxury cruise ship goes wildly off course



ALAN LEWIS, THE OWNER OF GRAND CIRCLE TRAVEL, WALKED INTO the Boston Foundation's offices one morning in 2007 and said he was donating philanthropy a 40 percent share of a cruise ship. But a few days later, with smiles and handshakes in late 2007 quickly dissolved into stabbing and double-crossing amid the economic downturn.

Newsweek has a new book and has a new book.

MY SAVED

Pad

5:44 PM

42% B

The Boston Globe

www.bostonglobe.com/

Google

WEATHER | TRAFFIC

NOV 30, 2010

TEXT SIZE | 100%



53° PARTLY SUNNY

The Boston Globe

SECTIONS

TODAY'S PAPER

MY SAVED

Search

BRIAN MCGORRY

A gift of a luxury cruise ship goes wildly off

COURSE



PHOTO: FRANK FINE/SHUTTERSTOCK

Alan Lewis, the owner of Grand Circle Travel, walked into the Boston Foundation's offices one morning in 2007 and said he wanted to give the philanthropy a 40 percent share

US asks that rule on gays r

11/29/10 - Another day, another headline. The U.S. Supreme Court

Thursday

Supporting Justice Ginsburg

scandal widens

The justice's decision on Monday

camp is stirring anger among parents

their children's summer getaways.

ECONOMY

Mass. economy rebounding

employment lags

Experts say state leads nation, but

20 Photos | 0 Videos | 0 Quotes



5:47 PM

65% B

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The Boston Globe

NOV 30, 2010

SECTIONS

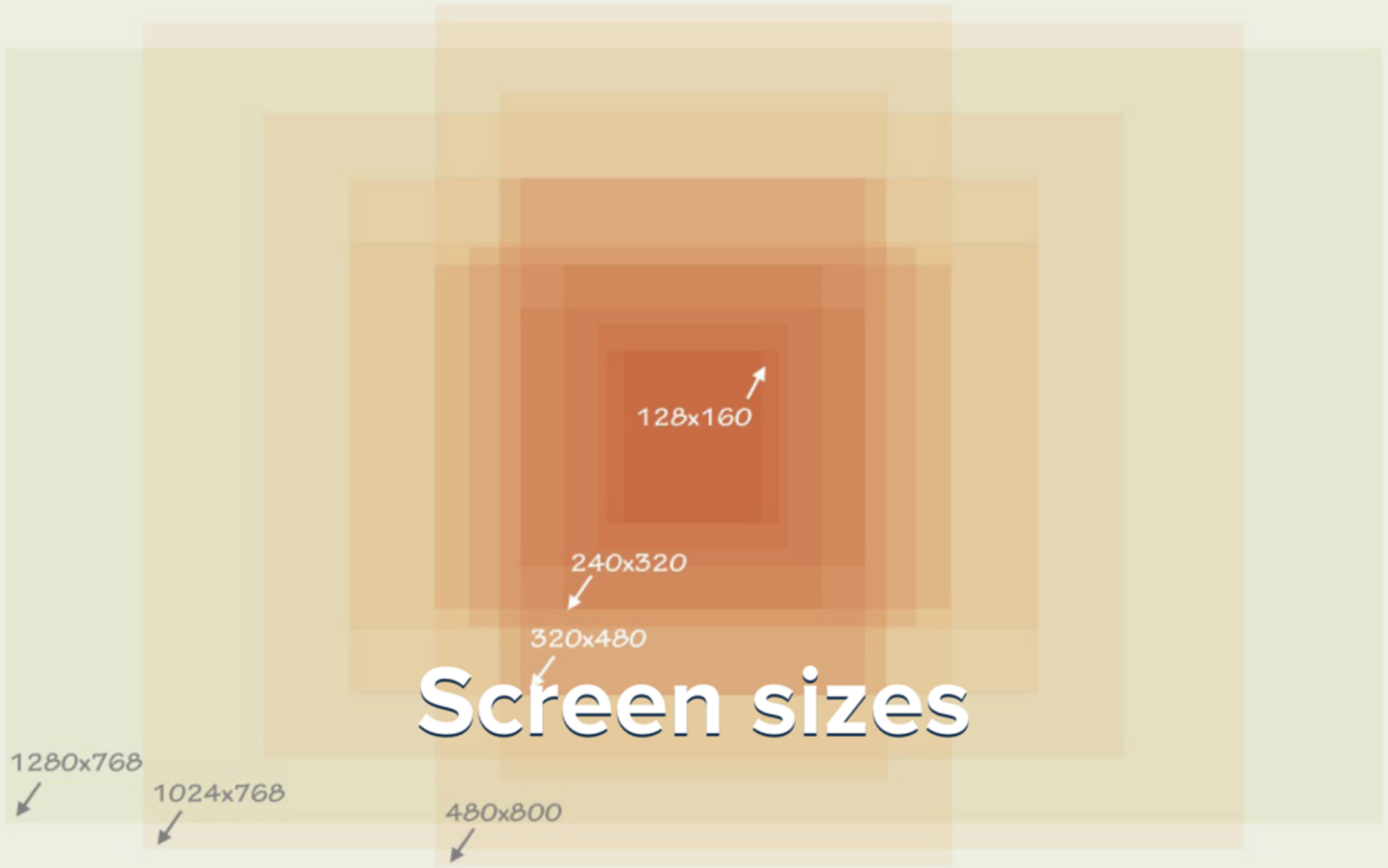
MY SAVED

Search

BRIAN MCGORRY

A gift of a luxury cruise ship goes wildly off course





128x160

240x320

320x480

Screen sizes

1280x768

1024x768

480x800

Rise of mobile

Ethan M. Zuckerman

RESPONSIBLE WEB DESIGN

FORWARD BY Jeremy Keith



INSPIRE THE WEB WITH JUST 10K.



Fig 11. 480x360



Fig 1. 960x640



Fig 2. 480x320



Fig 3. 1024x600



Fig 4. 1366x768



Code Constraint Contests

GRAND PRIZE WINNER - L&L

Rigid constraints of designing for the web force us to get truly creative. [...] Since the space we have to explore is so small, we have to look harder, get more creative; and that's what makes it all interesting.

— STEWART BUTTERFIELD

Zen Garden

The Beauty of CSS Design



A demonstration of what can be accomplished visually through CSS-based design. Select any style sheet from the list to load it into this page.

Download the sample [html file](#) and [css file](#)

The Road to Enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, and broken CSS support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WaSP and the major browser creators.

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the (yet to be) time-honored techniques in new and invigorating fashion. Become one with the web.

So What is This About?

There is clearly a need for CSS to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The code remains the same, the only thing that has

changed is the external .css file. Yes, really.

CSS allows complete and total control over the style of any hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly do. On this page, you are given the tools and the code to create beauty from structure. To date, most examples of neat tricks and hacks have been demonstrated by structurists and coders. Designers have yet to make their mark. This needs to change.

Participation

Graphic artists only please. You are modifying this page, so strong CSS skills are necessary, but the example files are commented well enough that even CSS novices can use them as starting points. Please see the [CSS Resource Guide](#) for advanced tutorials and tips on

select a design:

[Under the Sea!](#) by Eric Stoltz

[Make 'em Proud](#) by Michael McAghon and Scotty Reifsnyder

[Orchid Beauty](#) by Kevin Addison

[Oceanscape](#) by Justin Gray

[CSS Co., Ltd.](#) by Benjamin Klemm

[Sakura](#) by Tatsuya Uchida

[Kyoto Forest](#) by John Politowski

[A Walk in the Garden](#) by Simon Van Hauwermeiren

[archives!](#)

[next designs »](#)

[View All Designs](#)

[resources:](#)

CSS Zen Garden



Separation of HTML, CSS & JS

Mobile resource constraints





FRONT-END DEVELOPMENT DONE RIGHT

NEWS

— Bruce Bowman, *Adobe BrowserLab Product Manager*

Check out the [full list of features](#) that Modernizr detects, or learn more about [conditional resource loading](#) with Modernizr.

Modernizr is a JavaScript library that detects HTML5 and CSS3 features in the user's browser.

Why use Modernizr?

Taking advantage of cool new web technologies is great fun, until you have to support browsers that lag behind. Modernizr makes it easy for you to write conditional JavaScript and CSS to handle each situation, whether a browser supports a feature or not. It's perfect for doing progressive enhancement easily.

How it works

Modernizr runs quickly on page load to detect features; it then creates a JavaScript object with the results, and adds classes to the `html` element for you to key your CSS on. Modernizr supports dozens of tests, and optionally includes [YepNope.js](#) for conditional loading of external `.js` and `.css` resources.

Check out the [full list of features](#) that Modernizr detects, or learn more about [conditional resource loading with Modernizr](#).

“An indispensable tool.”

— Bruce Bowman, *Adobe BrowserLab Product Manager*

Download Modernizr 2.6.2

Use the commented, uncompressed Development version to develop with and learn from.

[View documentation](#)



DEVELOPMENT

Uncompressed, 42 Kb

Then, dive into the Production build tool and pick just the tests you need!



PRODUCTION

Configure Your Build

Get started with Modernizr

While Modernizr gives you finer control over the experience through JavaScript-driven feature detection, it is important to continue to use best practices throughout your development process. Use progressive enhancement wherever you can, and don't sacrifice accessibility for convenience or performance.

- [Documentation for getting started](#)
- [Taking Advantage of HTML5 and CSS3 with Modernizr](#), Faruk Ateş
- [How to use Modernizr](#), Inayati de León
- [Modernizr for the Web Developer](#), Ryan S. S. S.
- [wiki] [The Undetectables: features that cannot be detected](#)
- [wiki] [Cross-browser Polyfills](#)

Also check out our [Resources section](#).

Tip: check our [Modernizr test suite](#) to quickly test your current browser's features.



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PREVIOUS

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- [How to use Modernizr to detect and load polyfills](#), Aron S. Brat
- [\[wiki\] The Undetectables: features that cannot be detected](#)
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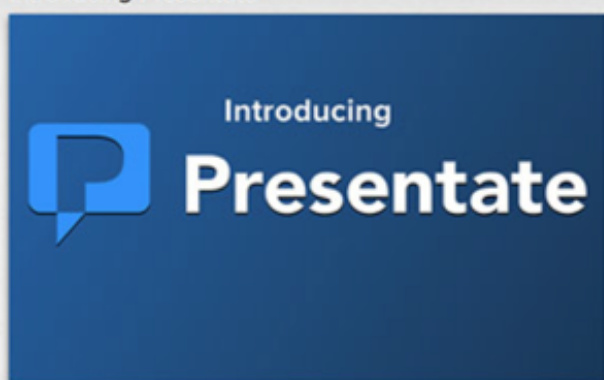
Modernizr

Speed constraints



Opinionated Interfaces

Introducing Presentate

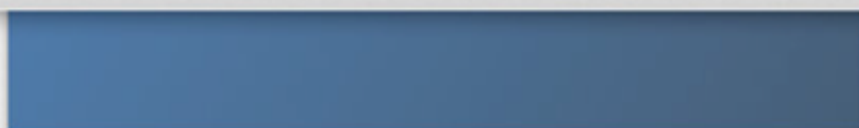


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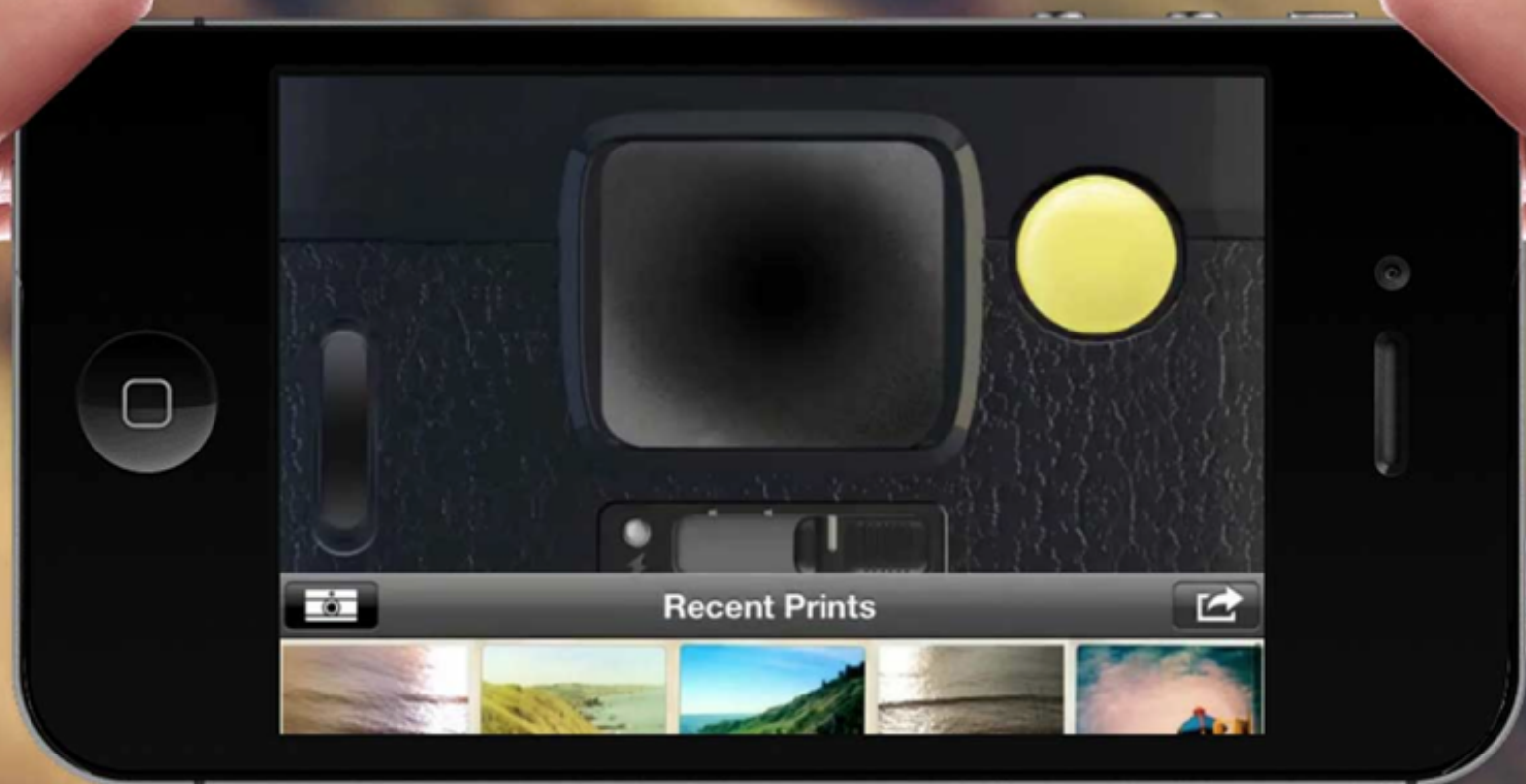
**Good constraints
are by design**

Pursue Simplicity



Hipstamatic®

Digital photography never looked so analog



Things to cover in review
Notes
Reminders
Game Centre
iCloud
Notification Centre

Skeuomorphism

Calendar

Day Week Month Year

Today

Tue 31	Wed 1	Thu 2	Fri 3	Sat 4
		9	10	11
		Work	St Kilda v Melbour...	
			17	18
			Greater Western S...	
				25

...second and both of us
the dead Red-cap, with
stiffly after us. So near were
against the crosswain's foot with a
blow and all. I was the first at foot
made the deck no place for running
most touching me. Quick as thought, I
shrouds, rattled up hand over hand, and
till I was seated on the crossstress.

Good Job, Brain!
13: It's a Monster Mash!

1:50



A man with dark hair and a beard, wearing a blue, white, and grey plaid button-down shirt, is looking down at a smartphone he is holding in both hands. He has a serious expression. The background is solid black.

Thank you!

Faruk Ateş
@KuraFire

presentate.com/kurafire/talks/beauty-constraints