

What's New in

Angular Material Design



~~What's New in~~

~~Angular Material Design~~



What's Cool in Material Design



Topics Covered





Material Design?

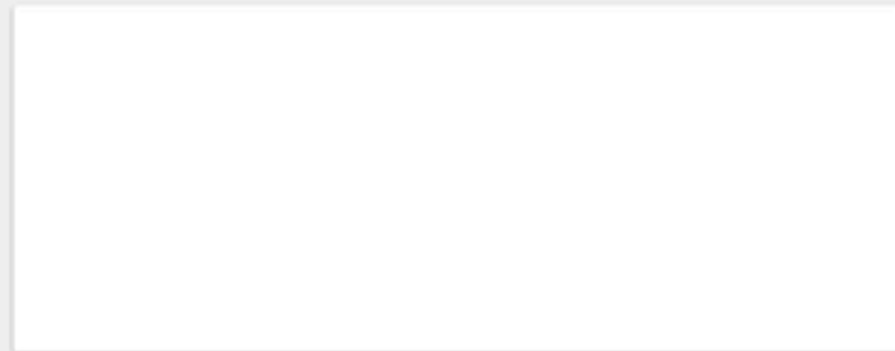
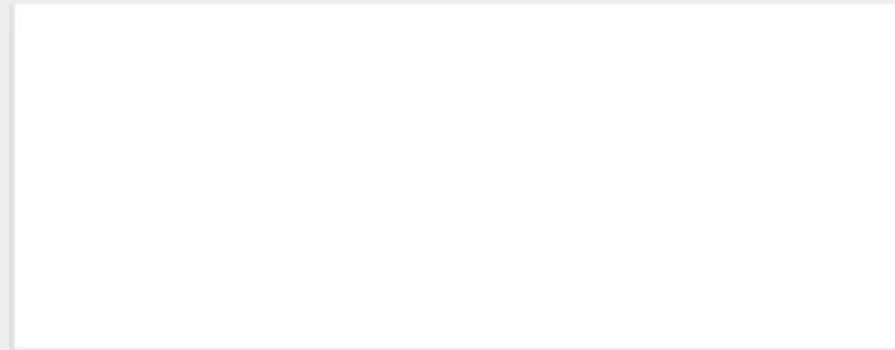
GRAPHIC DESIGN BINGO

content	CSS	typeface	Comic Sans	esthetic
palette	DPI	ligature	stock	demo- graphic
photo- shopped	wire frame	mockup	Paul Rand	negative space
copy	bleed	slab serif	lorem ipsum	copywriter
HTML	pantone	approval	revision	illustrator

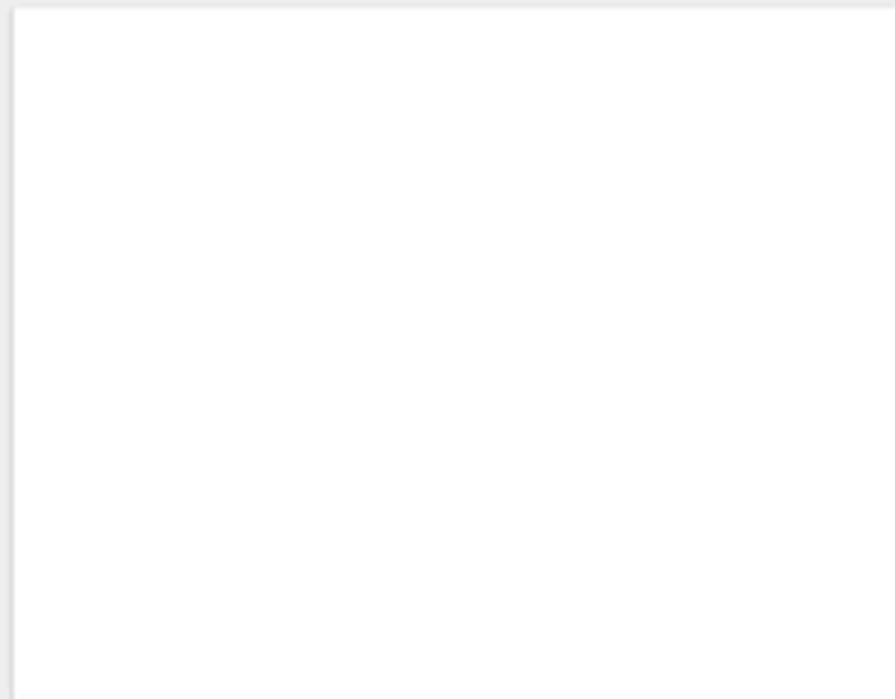


The Engineer's Perspective

Digital Paper

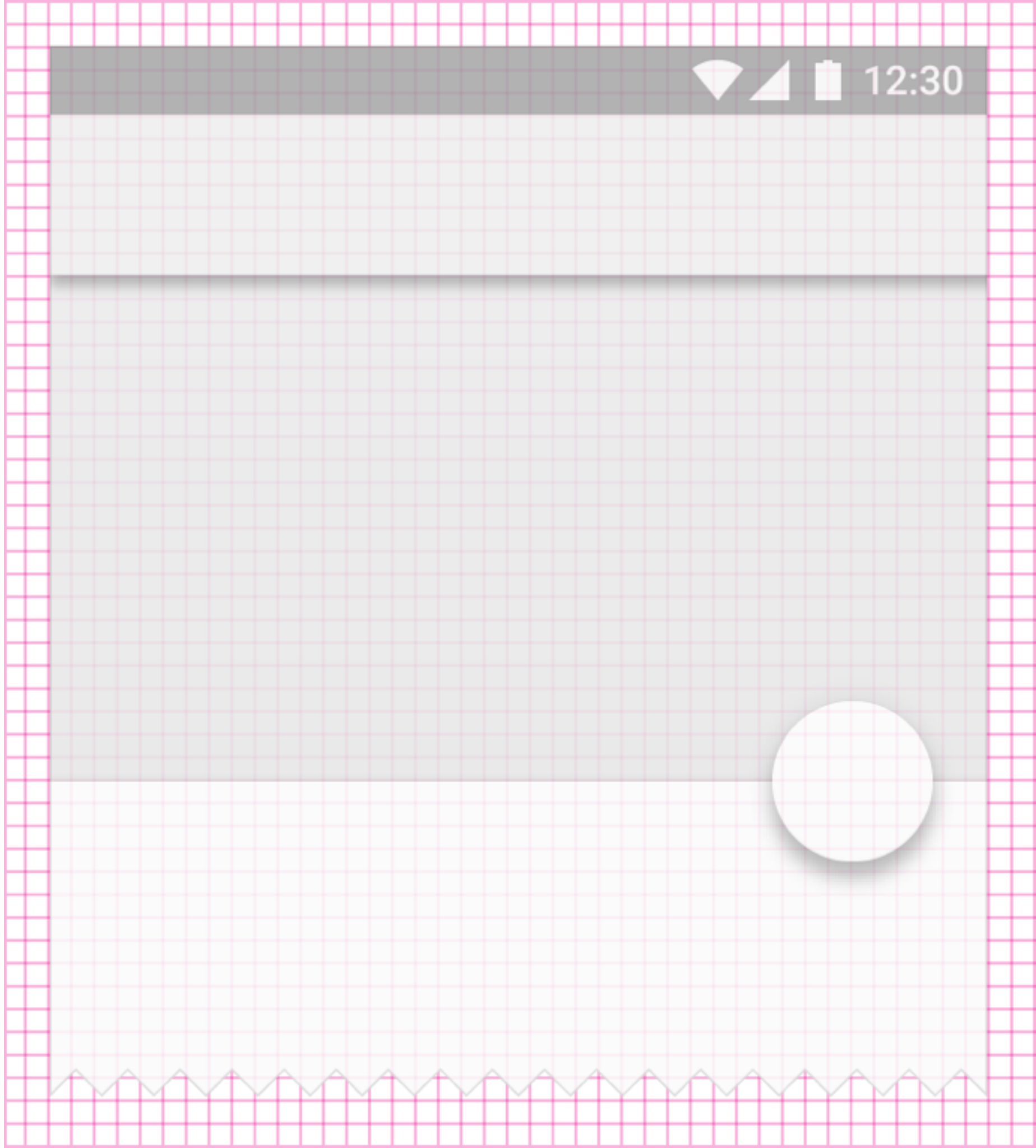


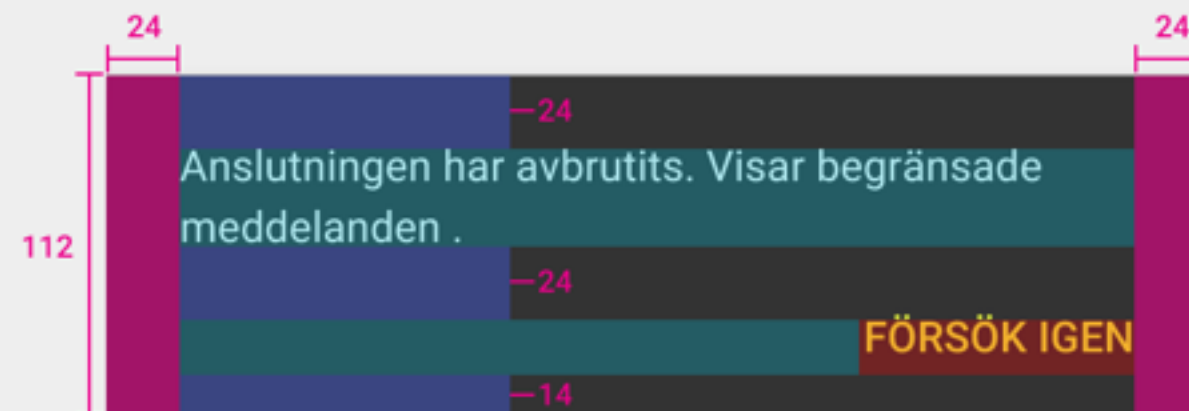
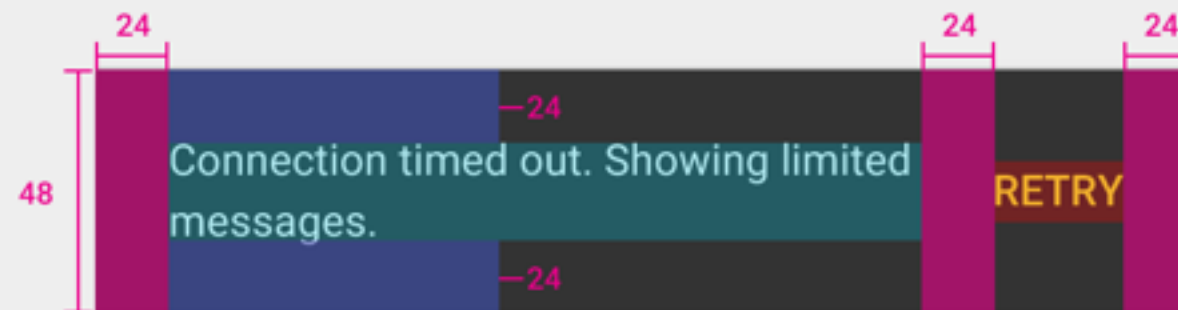
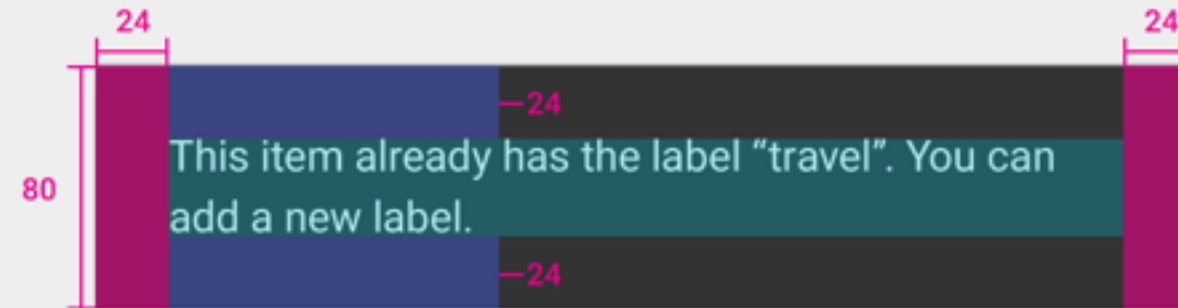
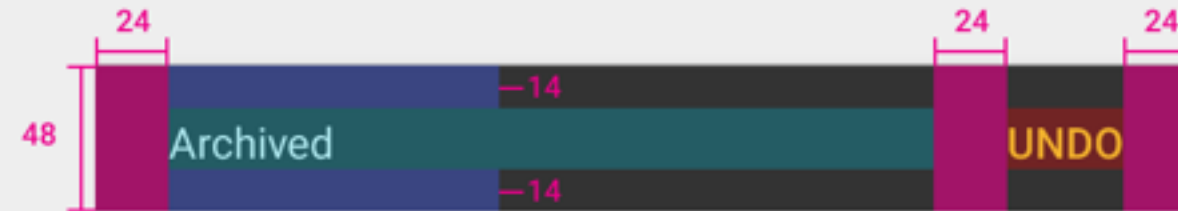
Digital Paper

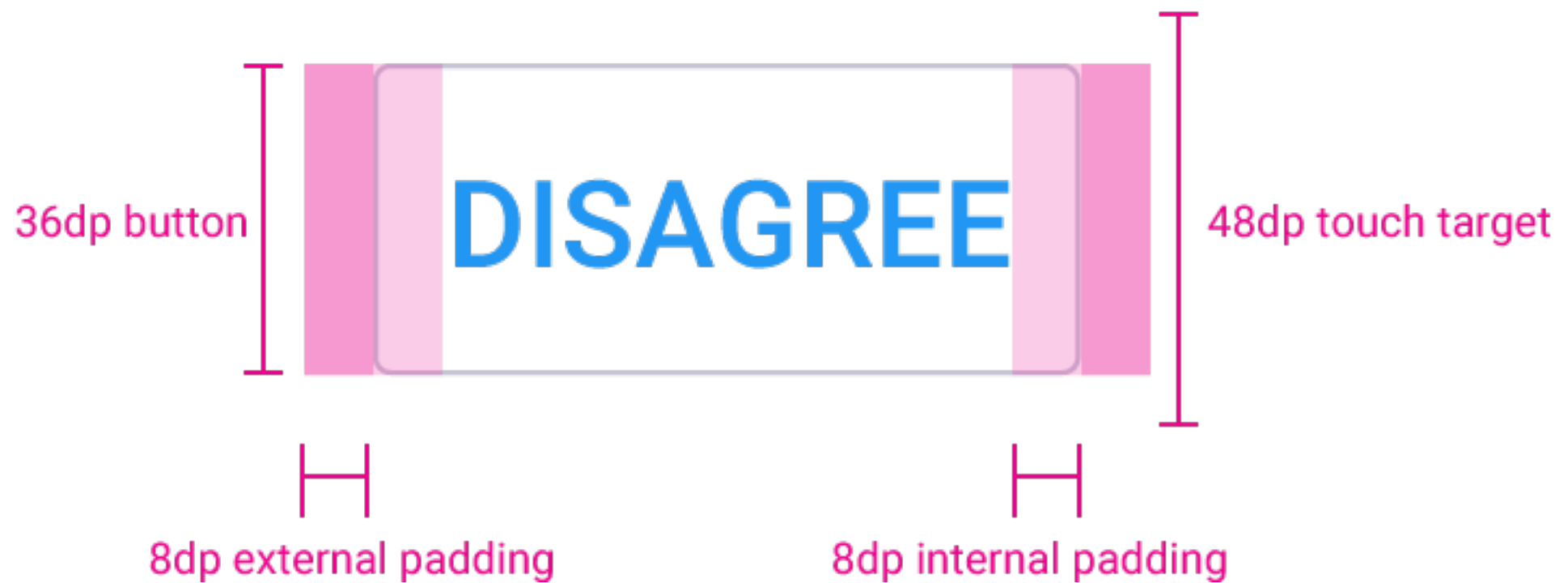
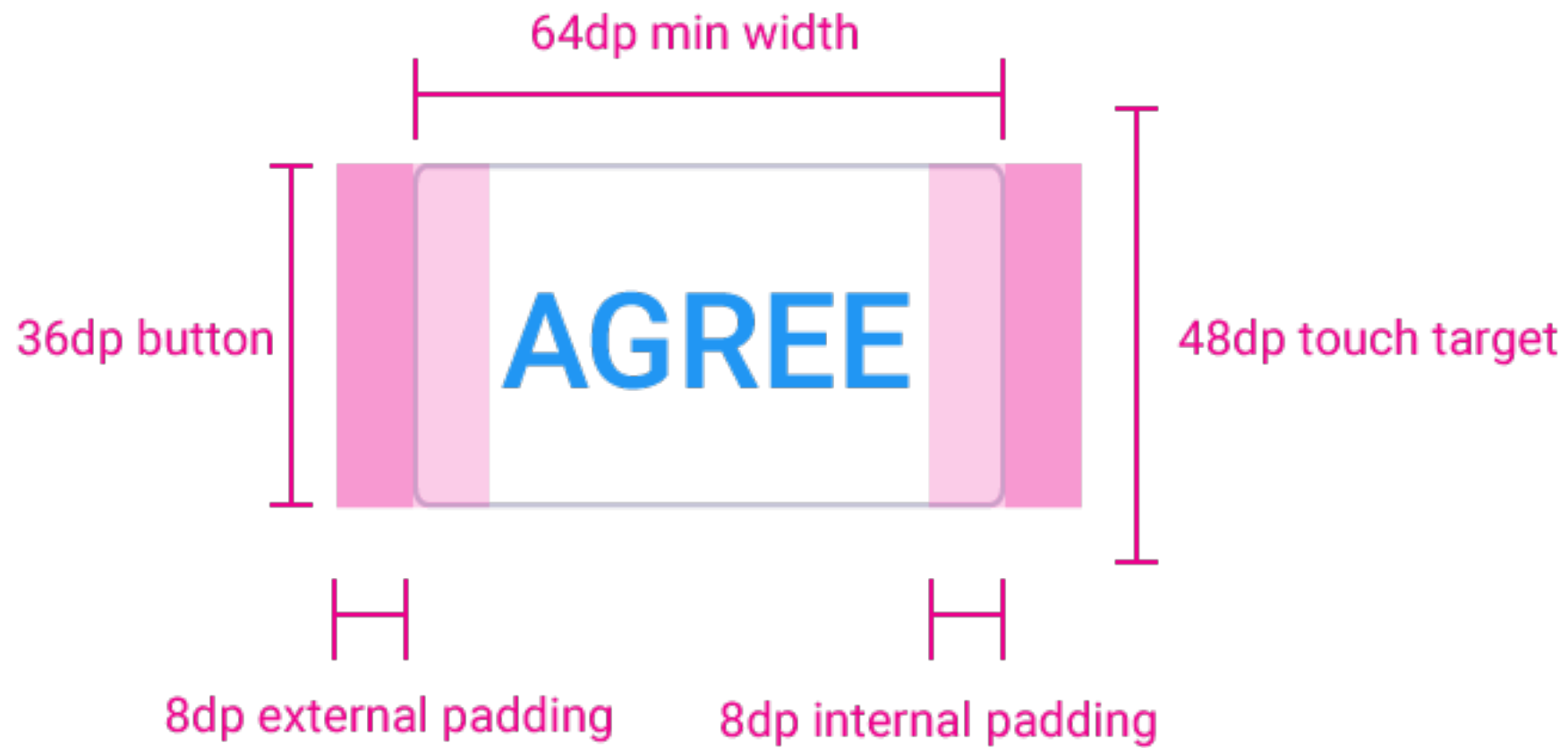




google.com/design/spec







Display 4

Light 112sp

Display 3

Regular 56sp

Display 2

Regular 45sp

Display 1

Regular 34sp

Headline

Regular 24sp

Title

Medium 20sp

Subhead

Regular 16sp (Device), Regular 15sp (Desktop)

Body 2

Medium 14sp (Device), Medium 13sp (Desktop)

Body 1

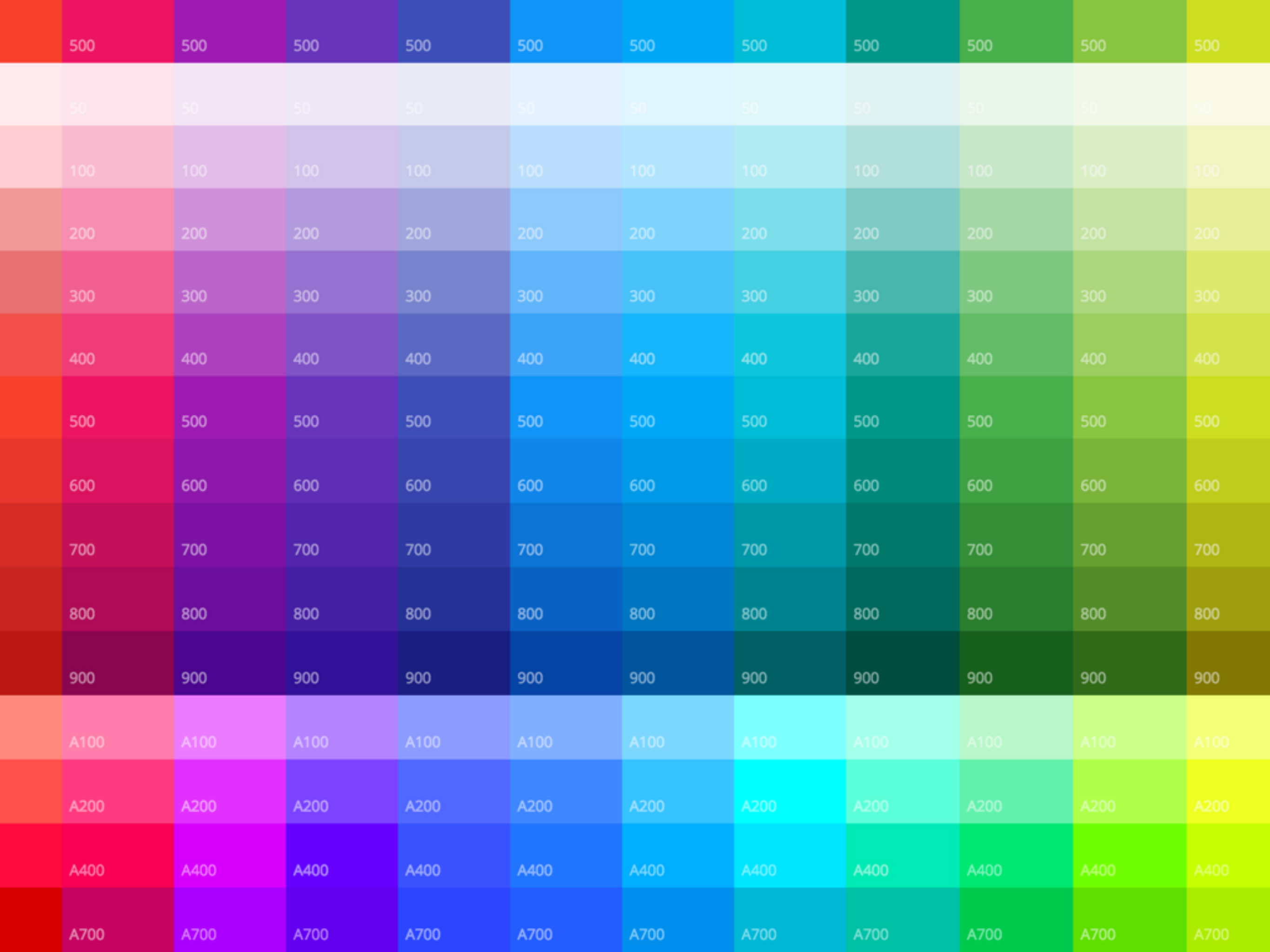
Regular 14sp (Device), Regular 13sp (Desktop)

Caption

Regular 12sp

Button

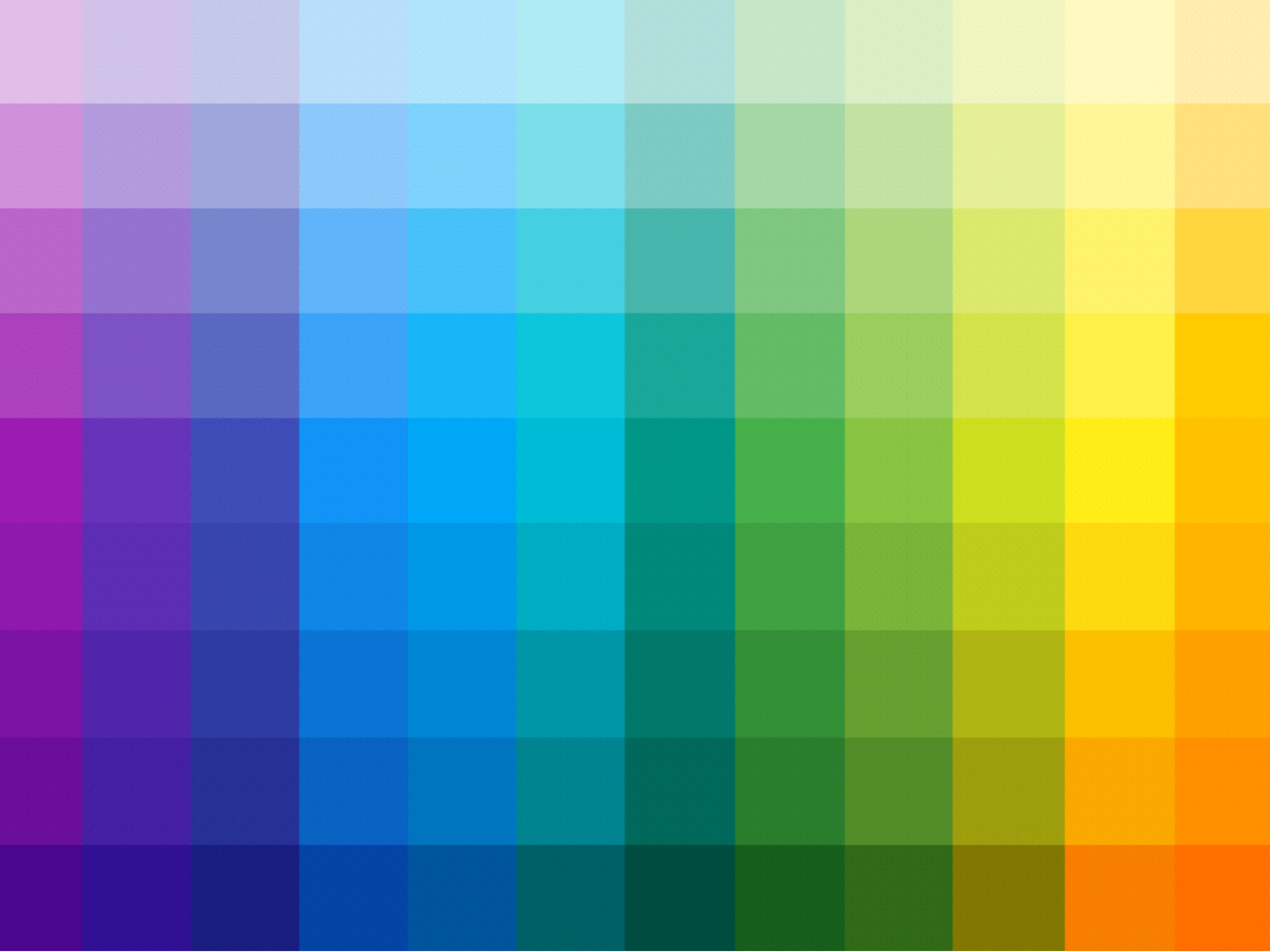
MEDIUM (ALL CAPS) 14sp





Design consistency







Colouring your UI

Light Green

500

#8BC34A

50

#F1F8E9

100

#DCEDC8

200

#C5E1A5

300

#AED581

400

#9CCC65

500

#8BC34A

600

#7CB342

700

#689F38

800

#558B2F

900

#33691E

Light Green		
500		#8BC34A

50		#F1F8E9
100		#DCEDC8
200		#C5E1A5
300		#AED581
400		#9CCC65
500		#8BC34A
600		#7CB342
700		#689F38
800		#558B2F
900		#33691E

A100		#CCFF90
A200		#B2FF59
A400		#76FF03
A700		#64DD17

Primary — Indigo

500

#3F51B5

100

#C5CAE9

500

#3F51B5

700

#303F9F

12:30



Inbox



Today



Brunch this weekend?

Ali Connors — I'll be in your neighborhood...



Summer BBQ 4

to Alex, Scott, Jennifer — Wish I could ...



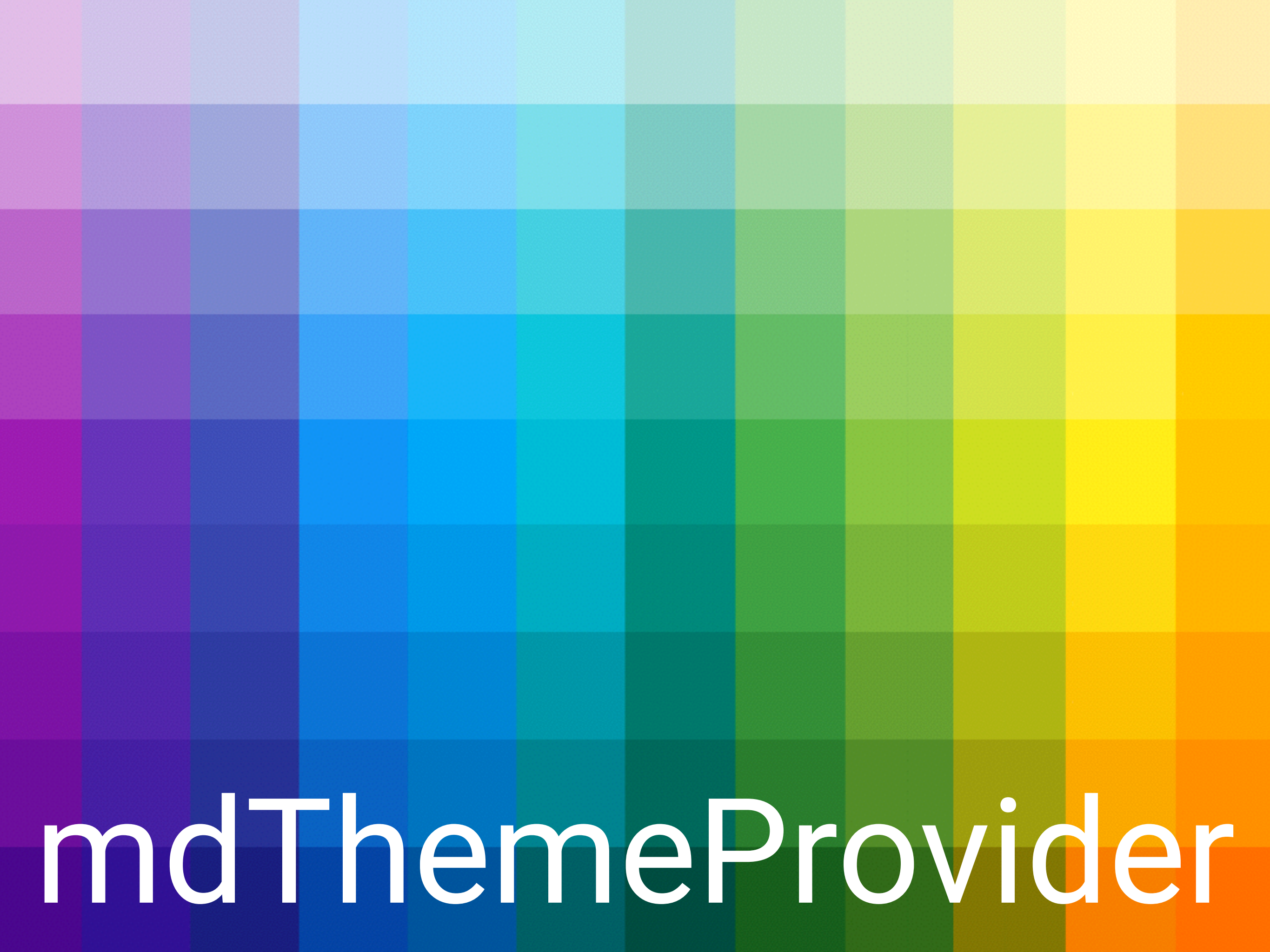
Oui oui

Sandra Adams — Do you have Paris reco...



Birthday gift

Trevor Hansen — Have any ideas about ...



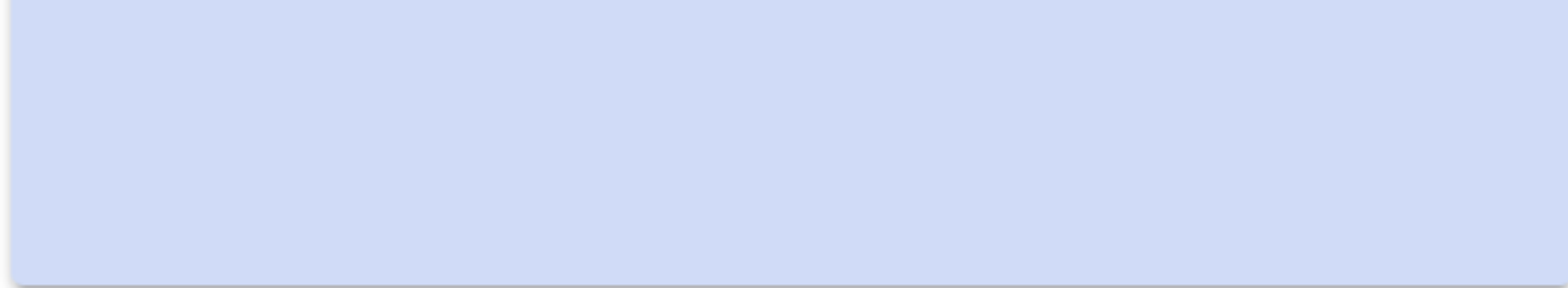
mdThemeProvider

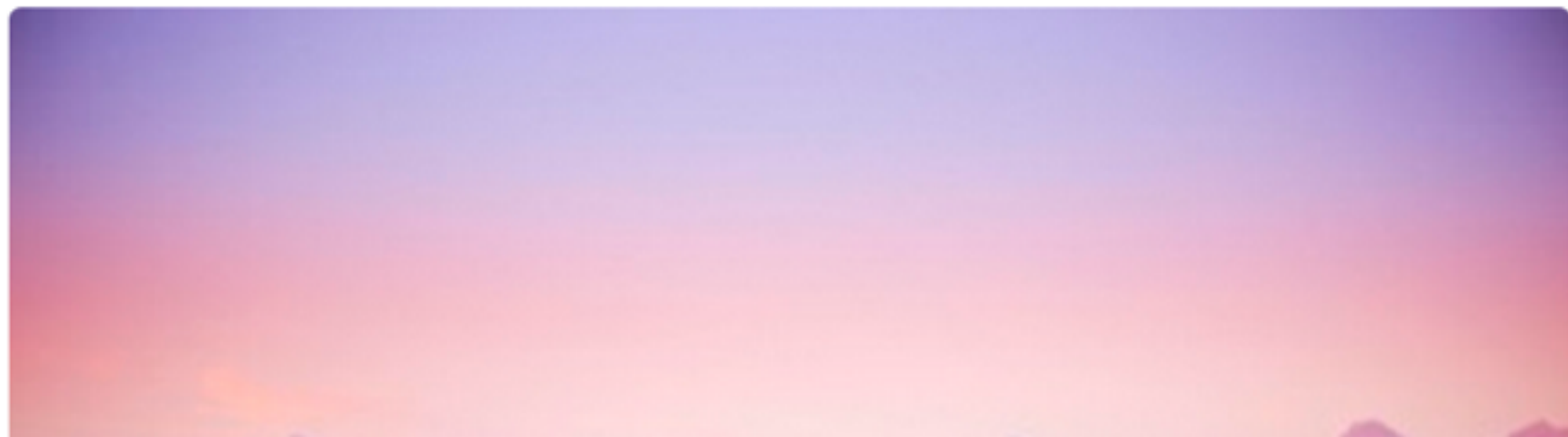
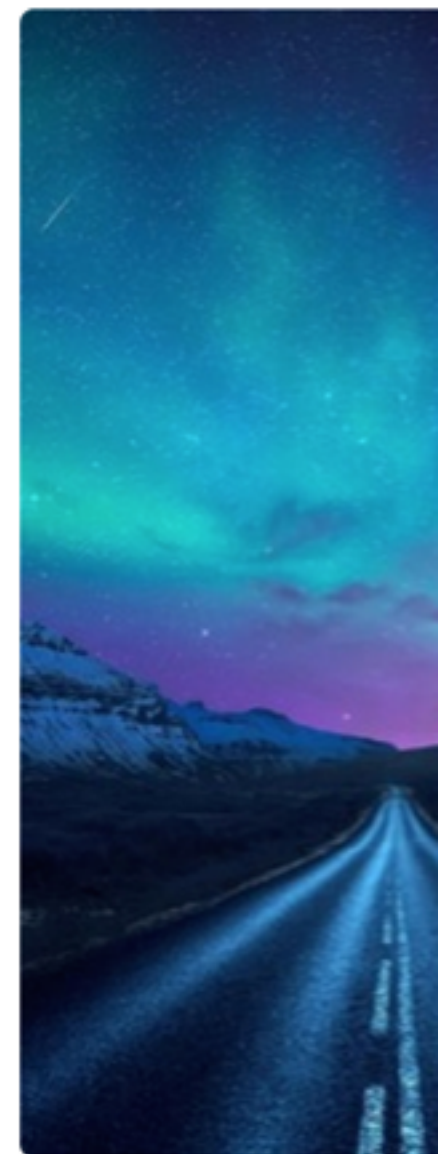
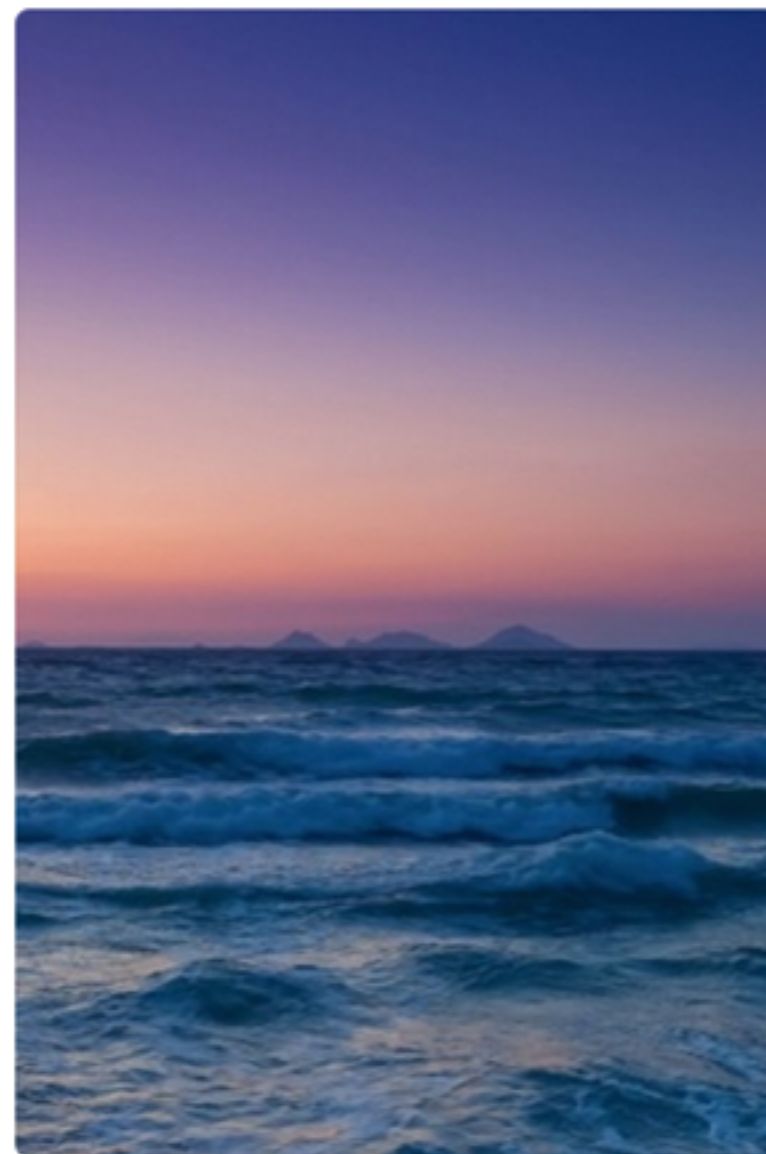
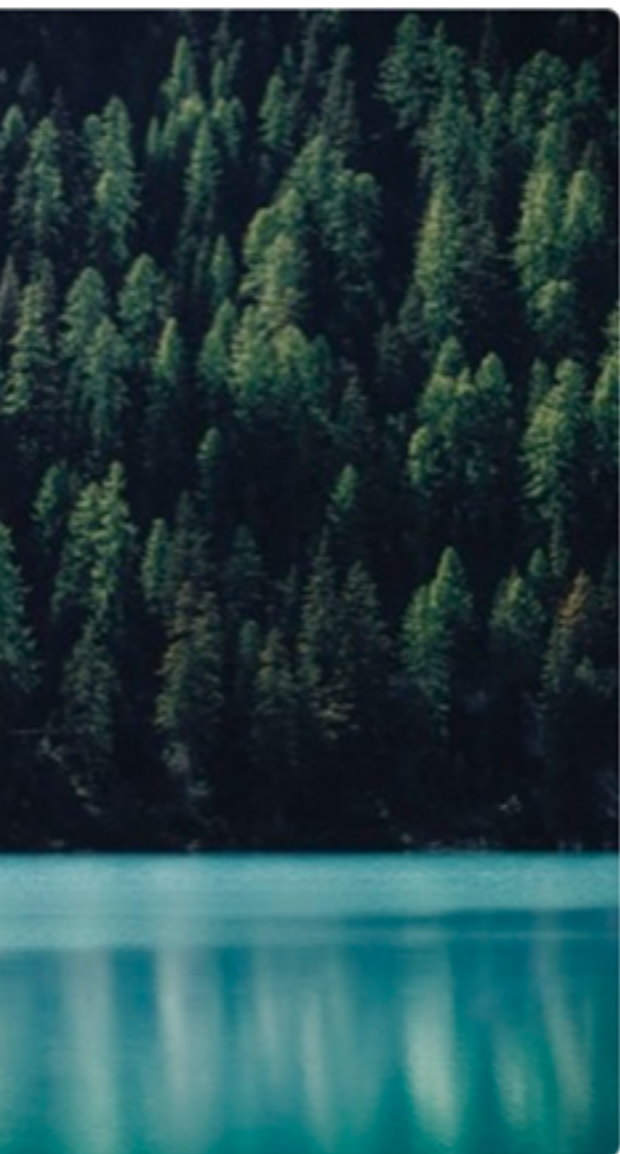


DEMO

The background consists of a grid of squares, each a different color. The colors transition from dark purple on the left, through blue, green, and yellow, to orange on the right. The text is overlaid on this grid.

Dynamic Colour







My Library



In a Perfect W...
Kodaline



More Than Ju...
Fitz & The Tantru...



Jamie Lidell
Jamie Lidell

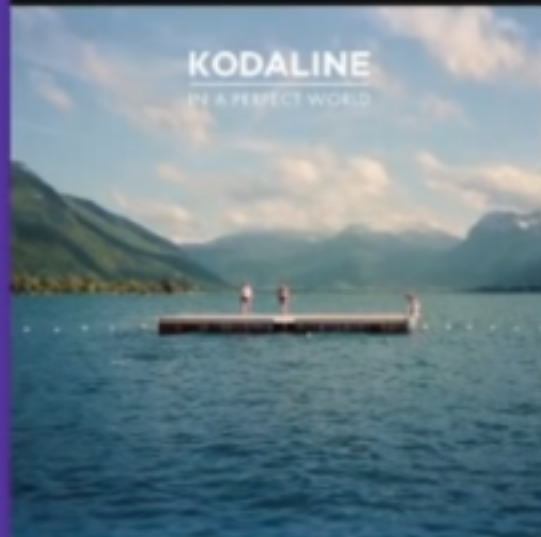


Nocturnal
Yuna





My Library



In a Perfect W...
Kodaline



More Than Ju...
Fitz & The Tantru...

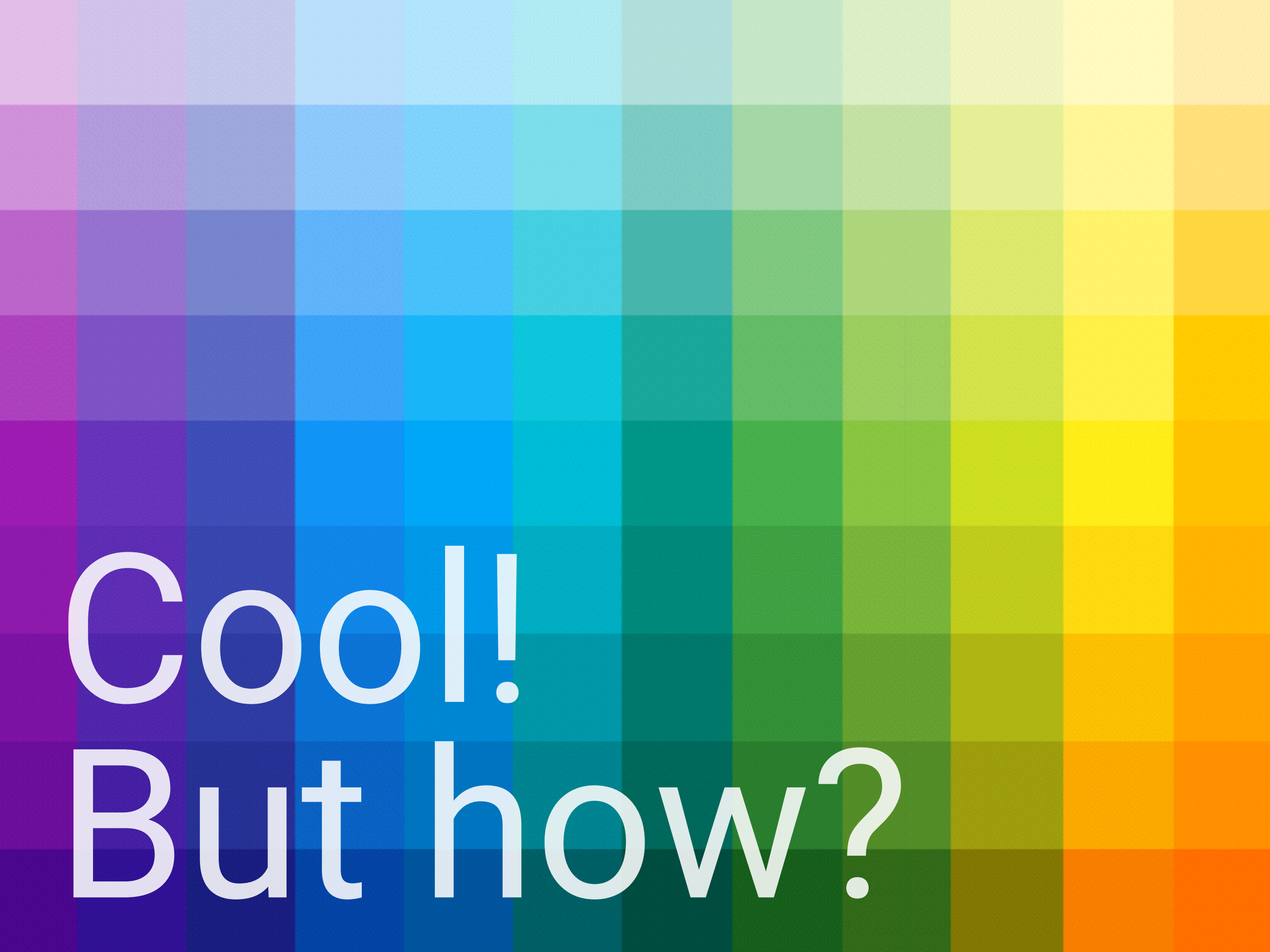


Jamie Lidell
Jamie Lidell



Nocturnal
Yuna





Cool!
But how?

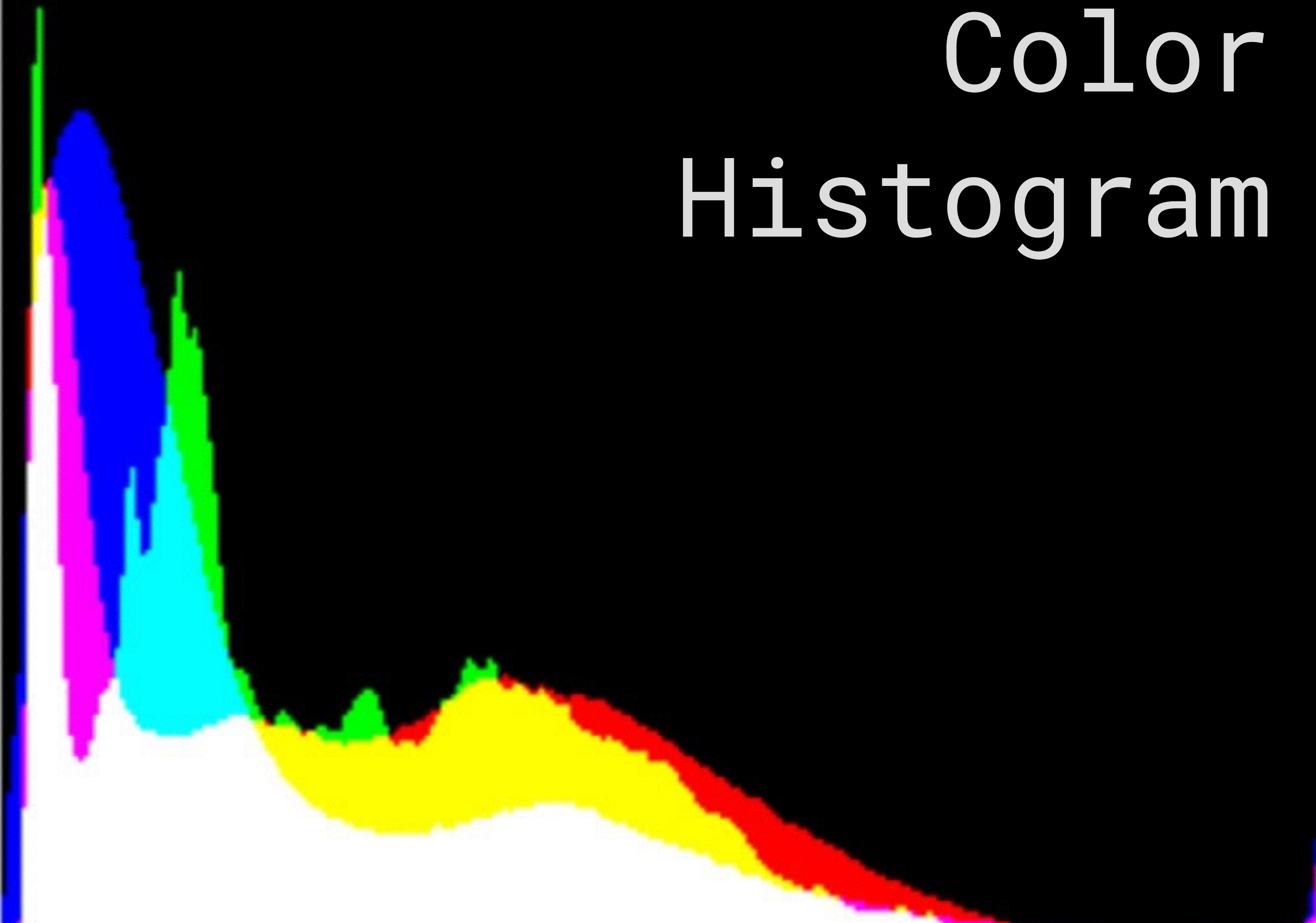


for now...
vibrant.js



DEMO

Color Histogram





Colour Quantization



8.7

9.1

11.3

Swatch Scoring



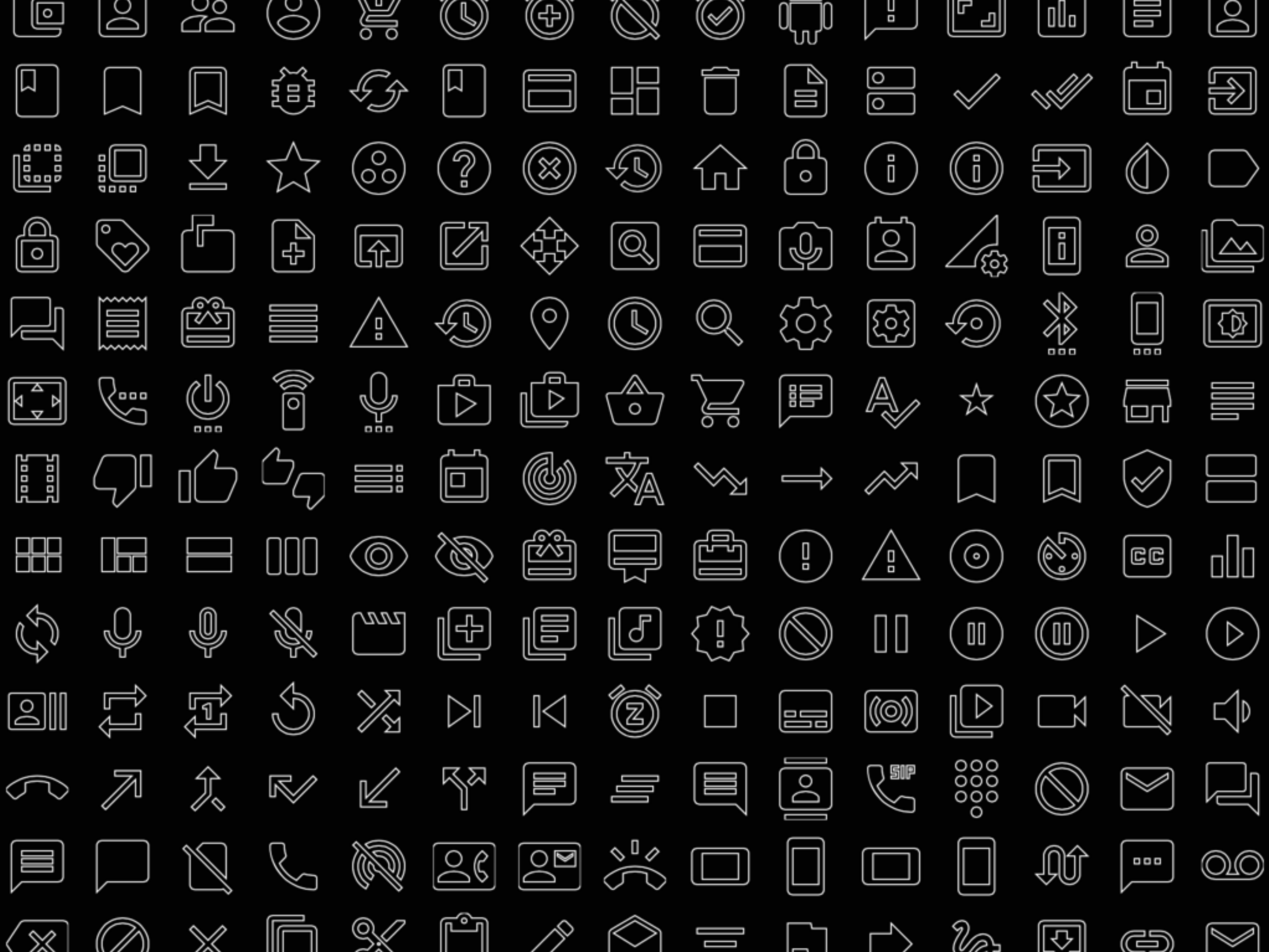
Resources

Material Palette

materialpalette.com

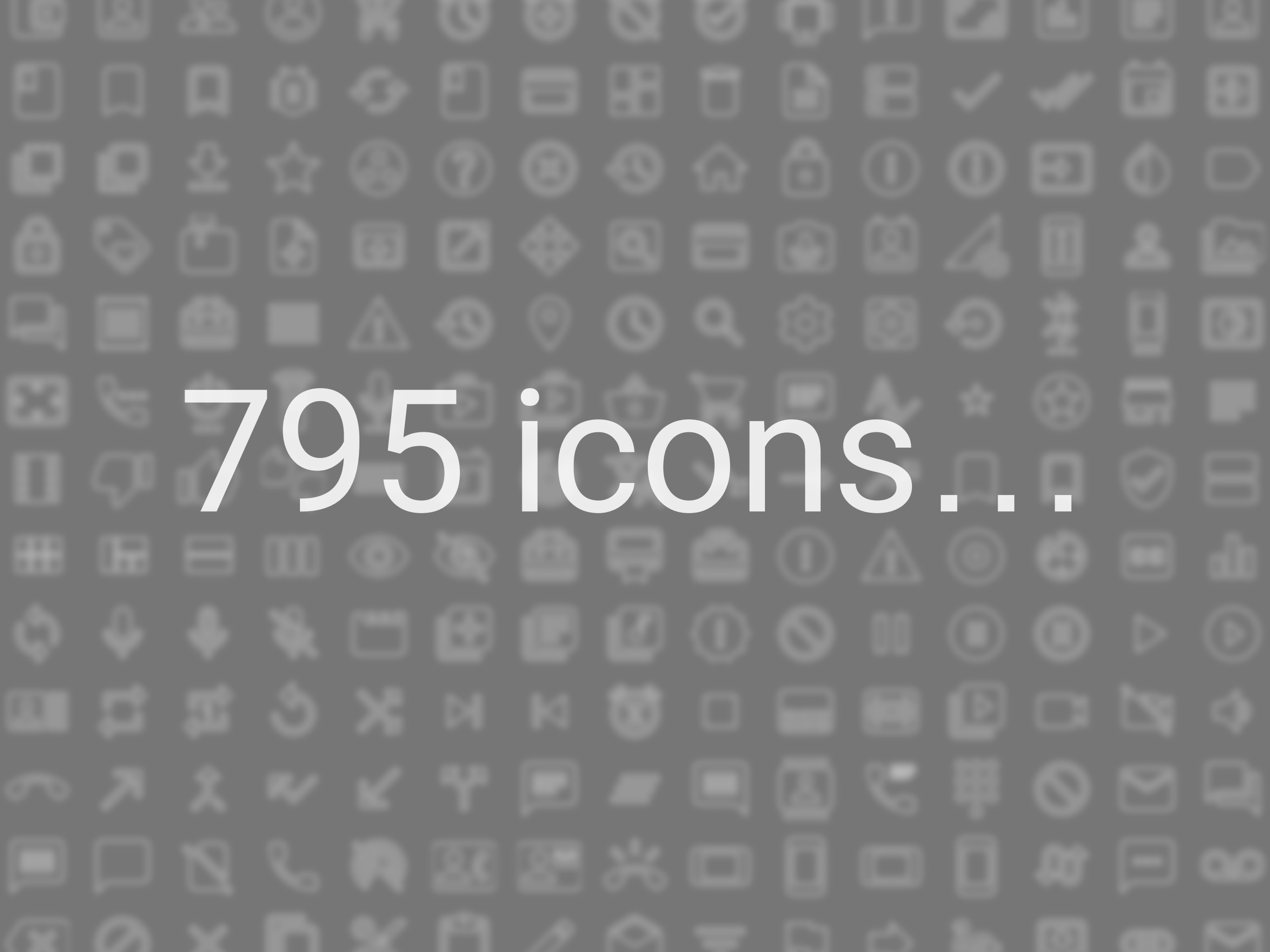
Vibrant.js

[github.com/jariz/
vibrant.js](https://github.com/jariz/vibrant.js)



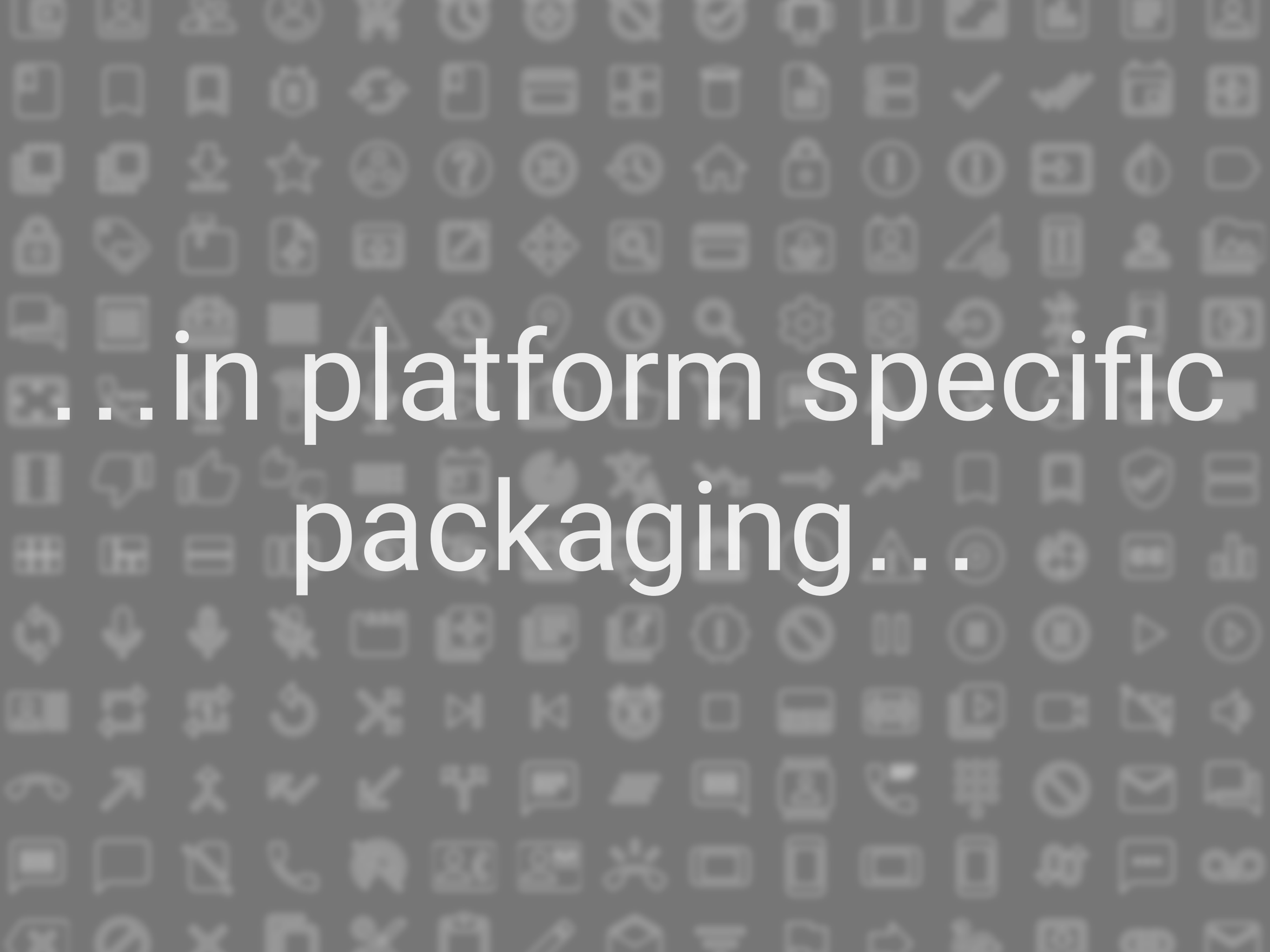
The background of the image is a dark gray grid filled with numerous small, light gray icons. These icons represent a wide variety of common digital symbols, including social media icons (like hearts, thumbs up, and speech bubbles), navigation icons (like arrows, home, and search), utility icons (like a magnifying glass, a star, and a checkmark), and other standard interface elements (like a trash can, a lock, and a key). The icons are arranged in a repeating pattern across the entire background.

Icons!

The background of the image is a dark gray grid filled with a variety of white icons. These icons represent a wide range of common digital functions and symbols, such as social media, productivity, navigation, and communication. The text '795 icons...' is centered over this grid in a large, white, sans-serif font.

795 icons...

...optimized to the
point of madness...

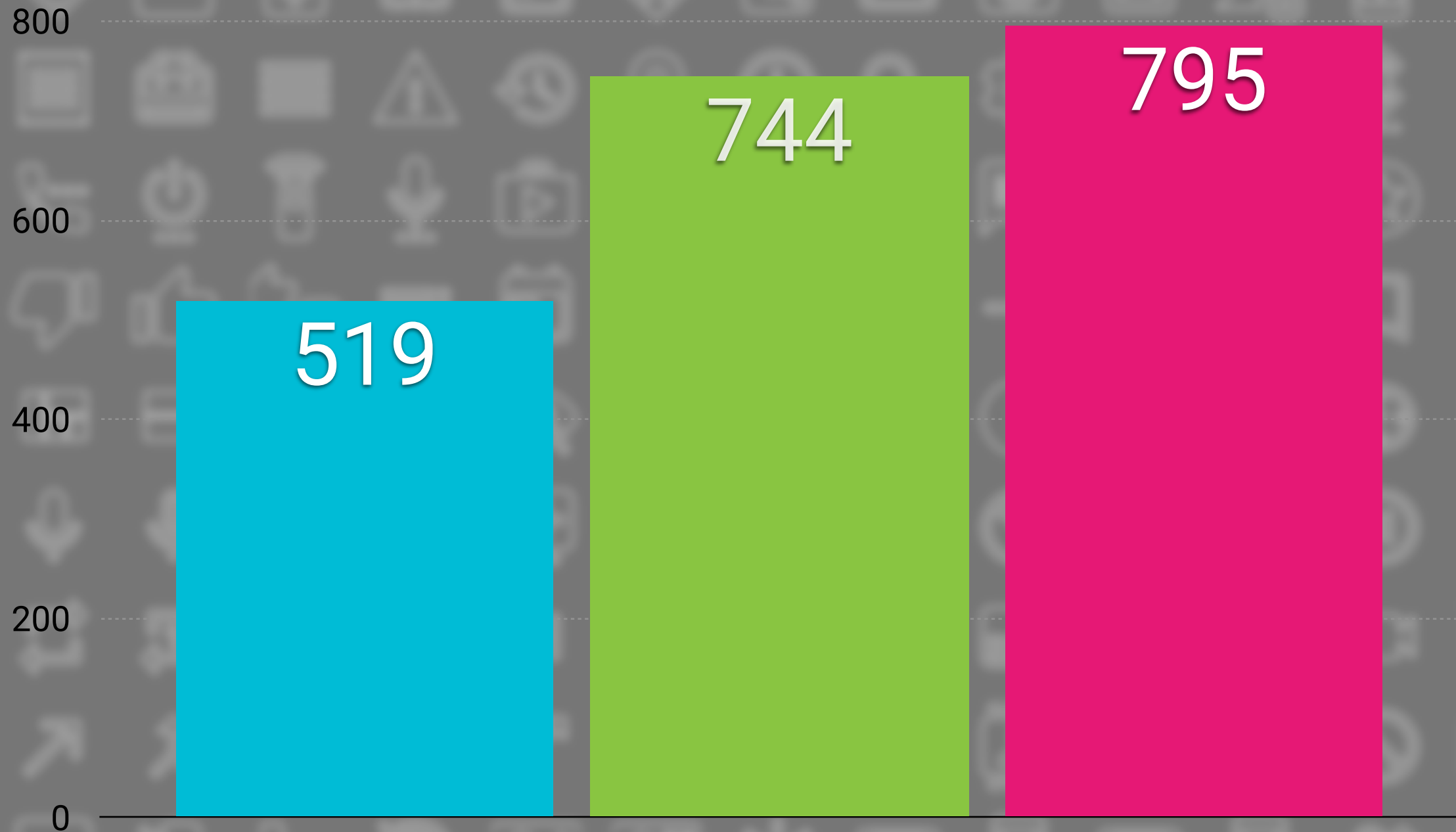


...in platform specific
packaging...

...including an
icon font!

of Icons

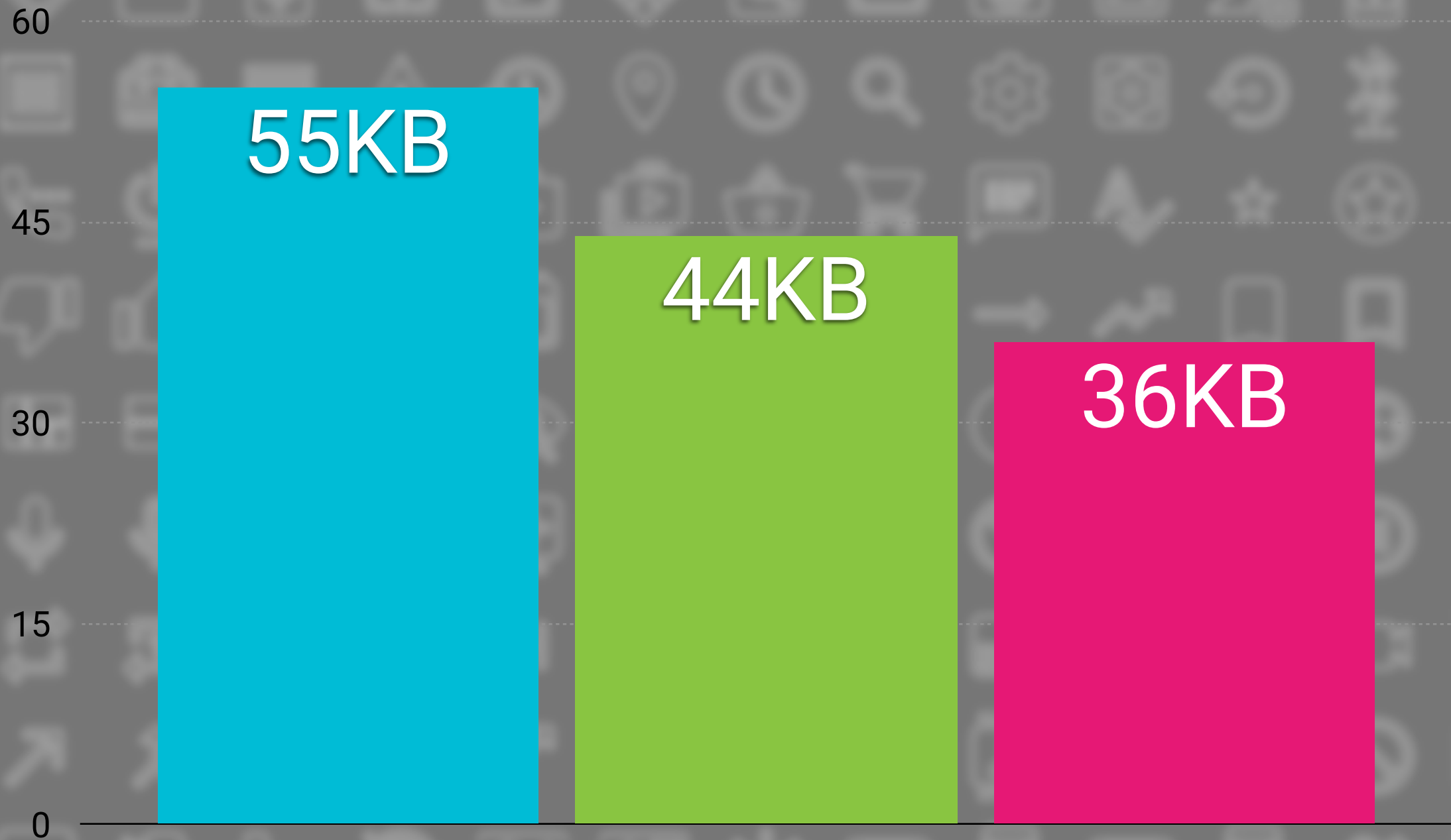
- Font Awesome
- Unofficial Material Icons
- Official Material Icons



Font Size

(woff2)

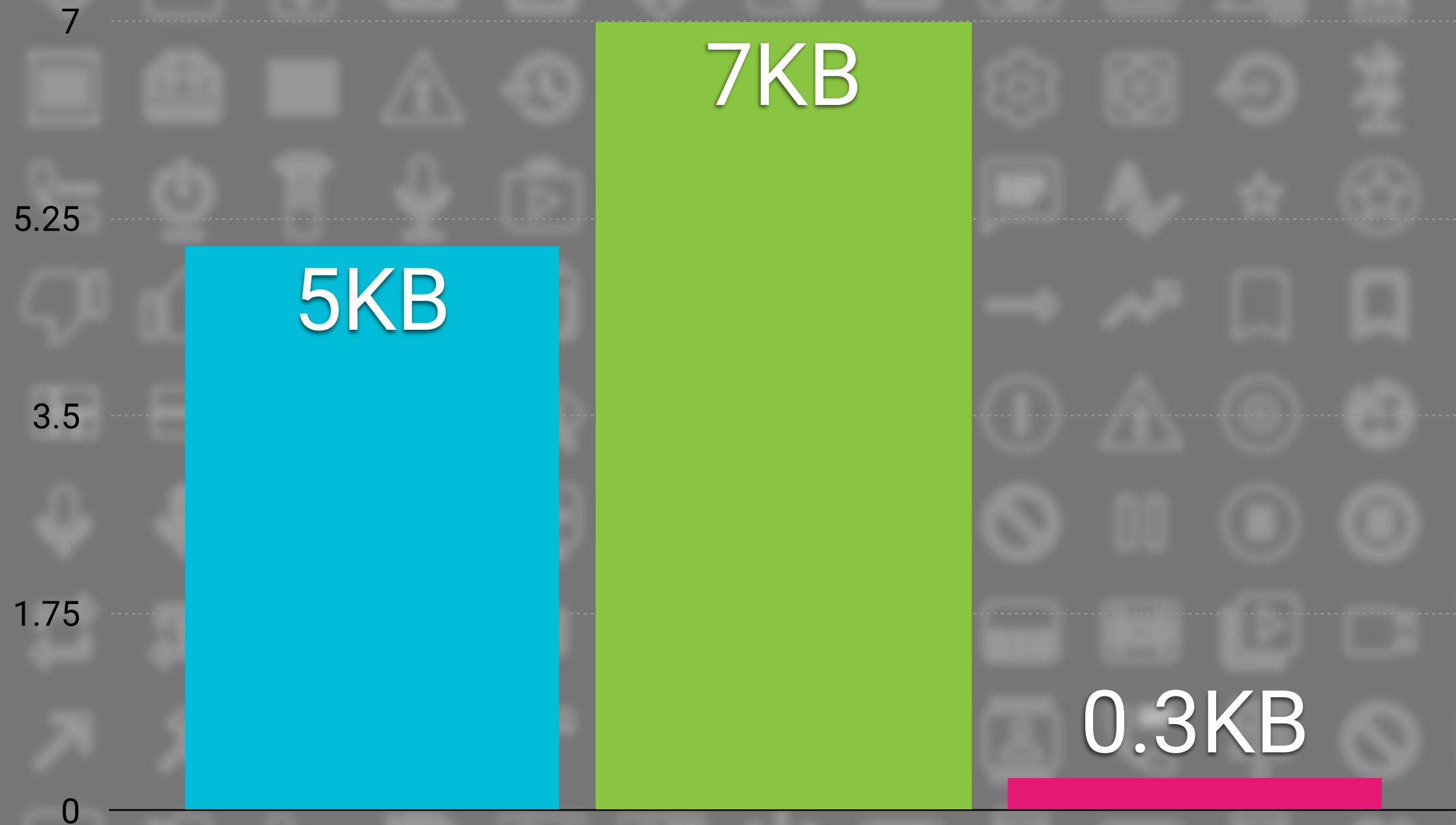
- Font Awesome
- Unofficial Material Icons
- Official Material Icons



CSS Size

(gzipped)

- Font Awesome
- Unofficial Material Icons
- Official Material Icons





Why so little
CSS?

because
Ligatures!

fi



fn

fl



fl

3

&

```
.fa-android::before {  
  content: '\E606';  
}
```

```
<i class="fa fa-android">  
</i>
```

<i class="mi">android</i>

<i class="mi">android</i>



<md-icon>**android**</md-icon>





DEMO

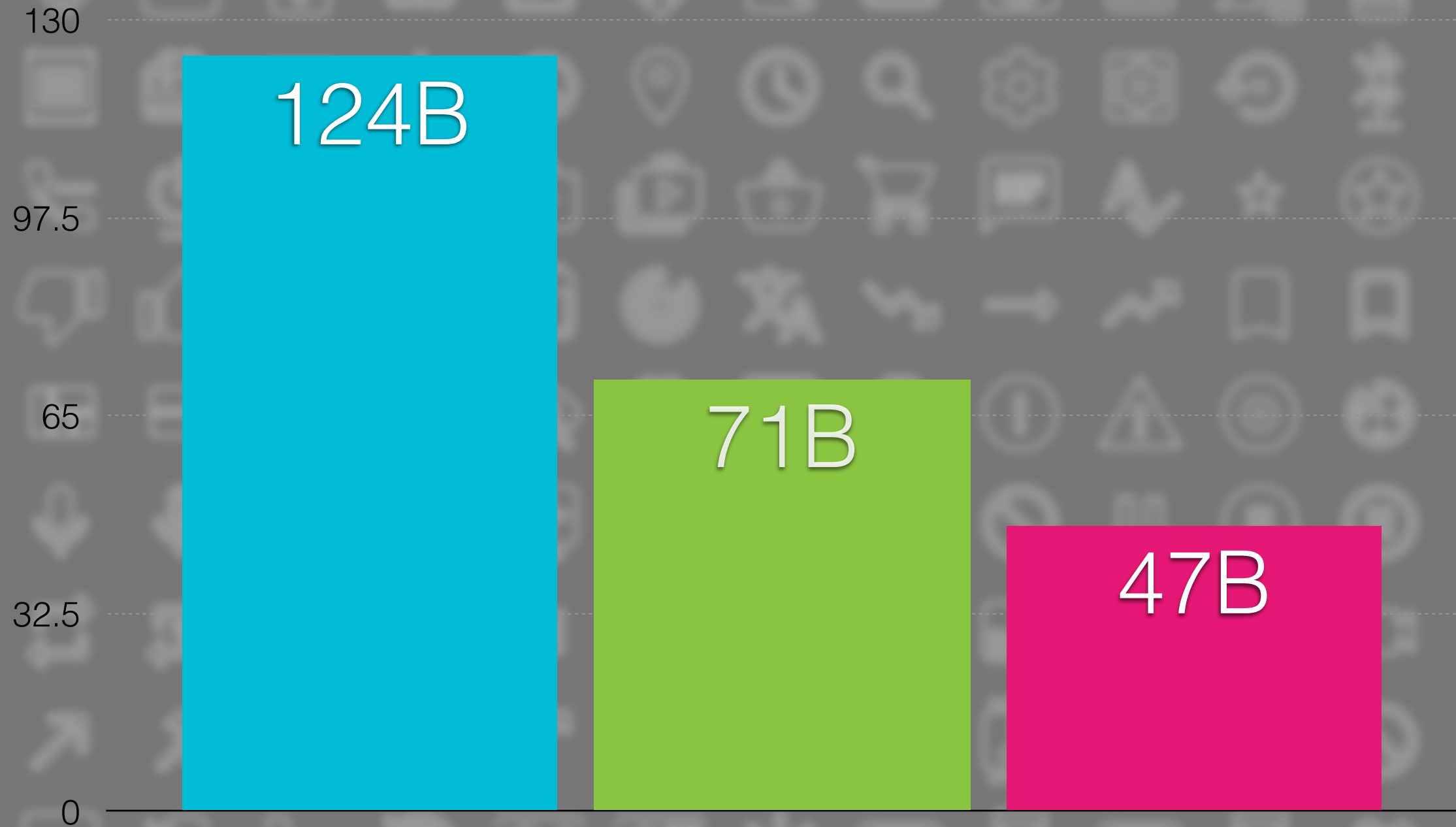
How exactly do you
pronounce
 ?

Sorry :(

Awesome
Compression
Ratios!

Bytes/Icon

- Font Awesome
- Unofficial Material Icons
- Official Material Icons



RESOURCES

Google Icon Site

[google.com/design/
icons](https://google.com/design/icons)

Our Github

[github.com/google/
material-design-icons](https://github.com/google/material-design-icons)

Material in Motion





Today



Brunch this weekend?

Ali Connors — I'll be in your neighborhood doing errands this weekend if you want to meet up for brunch ...



Summer BBQ 4

to me, Scott, Jennifer — Aw dang. Wish I could, but am outta town this weekend.



Oui Oui

Nicholas Jitkoff — Do you have Paris recommendations? Have you ever been? (I'm sure I've asked you this ...



Birthday Gift

Trevor Hansen — Have any ideas about what to get Heidi for her birthday?



Recipe to try

Brit Smith — We should eat this: Grated Squash, Corn and Tomatillo Tacos



Baseball?

David Park — Any interest in a game this month?

Yesterday



Montauk Weekend

Scott Masterson — Here are the shots I mentioned from this weekend's trip.



Not There Yet...



Animation Anchoring



Animation Anchoring

```
<!-- home.html -->  
<a href="#/banner-page">  
    
</a>
```

```
<!-- banner-page.html -->  

```

DEMO



A (Promising) Hack



DEMO #2



Thanks!

Scott Hyndman

shyndman@google.com

