

SMASHING CONFERENCE

Freiburg, September 6th 2022

RÉMI PARMENTIER

@HTeuMeuLeu

Can I email

HTML, CSS, ...

[Settings](#)

Latest features

- [CSS block-size & inline-size](#), July 14, 2022
- [CSS tab-size](#), July 21, 2022
- [CSS border-inline & border-block longhand properties](#), July 14, 2022
- [CSS border-inline & border-block individual logical properties](#), July 14, 2022
- [CSS padding-inline-start & padding-inline-end](#), July 13, 2022

[View all features](#)

Latest news

- [July 2022 updates](#), July 22, 2022
- [Say hello to the Email Markup Consortium](#), May 25, 2022
- [Testing for Can I email, live on Twitch](#), March 17, 2022
- [December 2021 updates](#), December 30, 2021
- [November 2021 updates](#), November 30, 2021

[View all news](#)

Client scores

1.		Apple Mail (macOS) : 218/235
2.		Apple Mail (iOS) : 218/235
3.		Outlook (macOS) : 205/235
4.		Samsung Email (Android) : 198/234
5.		SFR (Desktop Webmail) : 194/222

[View the scoreboard](#)

Can I email...

Launched and maintained by [@HTeuMeuLeu](#) and the team at [Tilt Studio](#).

Based on the original [caniuse.com](#) by [@Fyrd](#) and designed by [@Lensco](#).

Also based on the original name and idea by [@M_J_Robbins](#) and the team at [Rebel](#).

Support data contributions by the wonderful email geeks community [on GitHub](#).

Site links

[Home](#)[Feature index](#)[Compare email clients](#)[Email Client Support Scoreboard](#)[Data available in JSON](#)[CanIemail on GitHub](#)

Legend

= Supported

= Not supported

= Partial support

= Mixed support

= Support unknown

[Enable accessible colors](#)

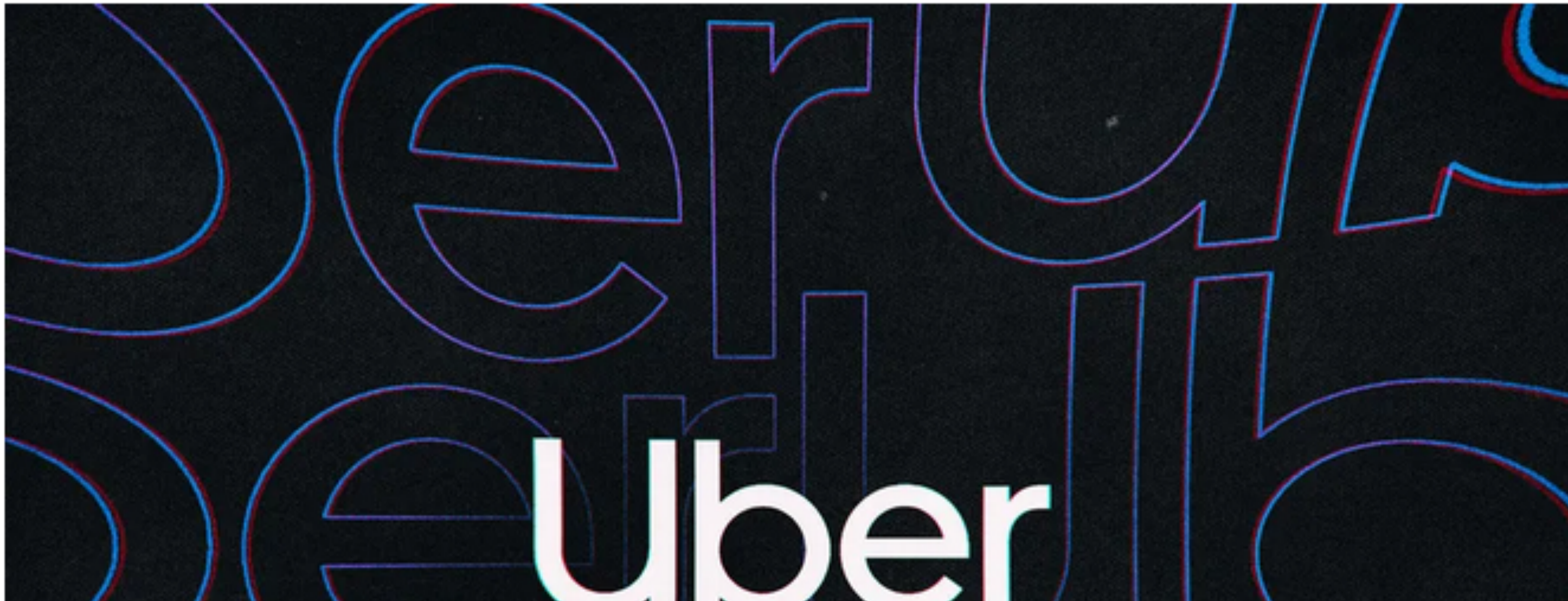
Uber receipt emails are crashing Microsoft Outlook


6

Microsoft has a fix going out next week

By Tom Warren | @tomwarren | Aug 2, 2022, 10:00am EDT | 6 comments

f   SHARE




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Email (required)

Uber receipt emails are crashing Microsoft Outlook

Microsoft has a fix going out next week

By Tom Warren | @tomwarren | Aug 2, 2022, 10:00am EDT | 6 comments

[In a support note](#), [spotted by BleepingComputer](#), Microsoft explains that opening, replying to, or forwarding an Uber receipt email will cause this issue. Uber uses “complex tables” in its emails, and it appears that Microsoft Word, which Outlook uses to view emails, is struggling to render these tables.

deals

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CATEGORIES

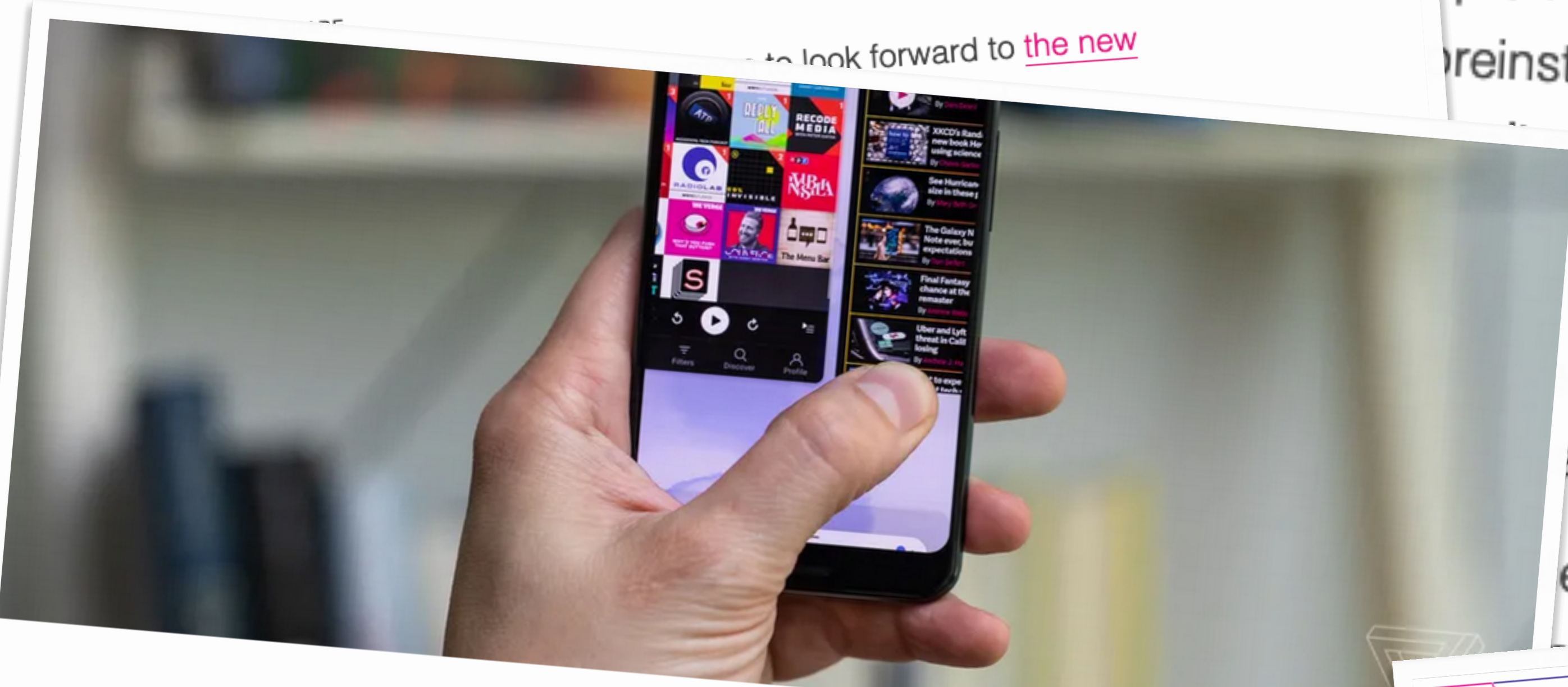
Email Clients That Break Because Of A Thing They Force You To Do In The First Place

Emails From Tech Companies

APPLE

MACOS MOJAVE REVIEW: DARK MODE AND A PREVIEW OF THE MAC'S FUTURE

By **Jacob Kastrenakes** | @jake_k | Sep 24, 2018, 1:00pm EDT
Photography by **Amelia Holowaty Krales**
| 206 comments



to look forward to [the new](#)

HOW TO GET DARK MODE ON YOUR WINDOWS 10 COMP

It's fairly easy to switch to dark mode in Windows 10. As with m
Microsoft's implementation doesn't extend to every single wind
up on your Windows 10 laptop or desktop. It does work on mos
reinstalled with the operating system, though there are some t
support it, including WordPad and Microsoft Edge.

set up dark mode on your PC, first head to the Personaliz
system's settings, which you can quickly pull up by right
sktop
ect "Colors" on the sidebar

GOOGLE

ANDROID 10 REVIEW: WORKS NICE, IF YOU CAN GET IT

More mile marker than milestone
By **Dieter Bohn** | @backlon | Sep 4, 2019, 12:00pm EDT
Photography by **Vjeran Pavic**
| 56 comments

APPLE TECH WWDC 2022

Dark mode is coming to iOS 13

Cupertino turns to the dark side
By **Jon Porter** | @JonPorty | Jun 3, 2019, 1:32pm EDT | 6 comments

f t SHARE

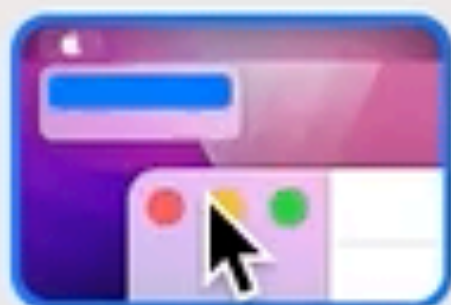




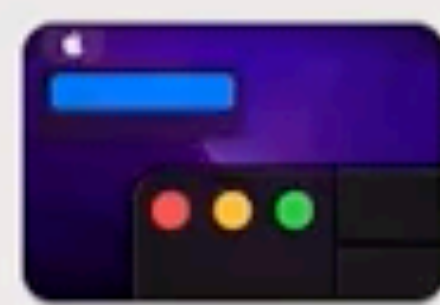
Général

Rechercher

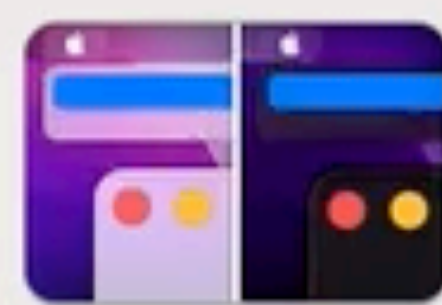
Mode d'apparence :



Clair



Sombre



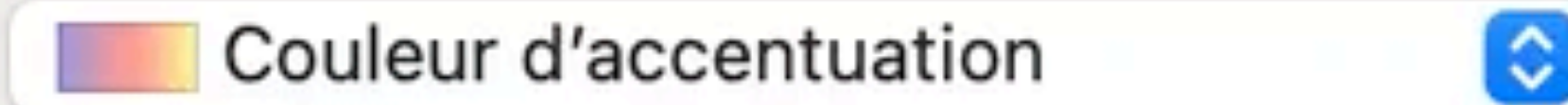
Automatique

Couleur d'accentuation :



Multicolore

Couleur de surbrillance :



Taille des icônes de la barre latérale :



Autoriser la coloration du fond d'écran dans les fenêtres

Afficher les barres de défilement :

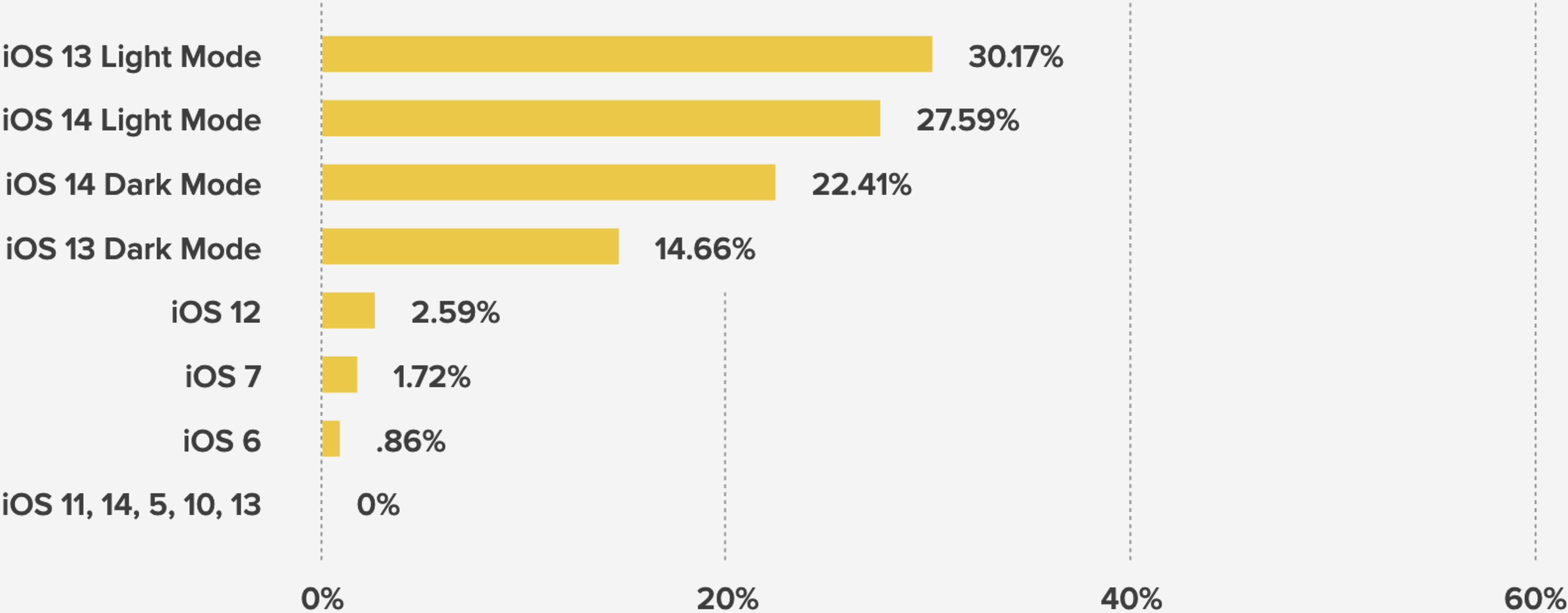
- automatiquement en fonction de la souris ou du trackpad
- lors du défilement
- toujours

Clic sur la barre de défilement pour :

- aller à la page suivante
- aller à l'endroit cliqué

Of those using Apple iPhone, 36% are using Dark Mode.

Dark Mode trends as detected by Litmus Analytics, September 14 – October 15, 2020



SHINING THE LIGHT ON

HTML EMAILS DARK MODES

SHINING THE LIGHT ON

HTML EMAILS DARK MODES



Tip #1

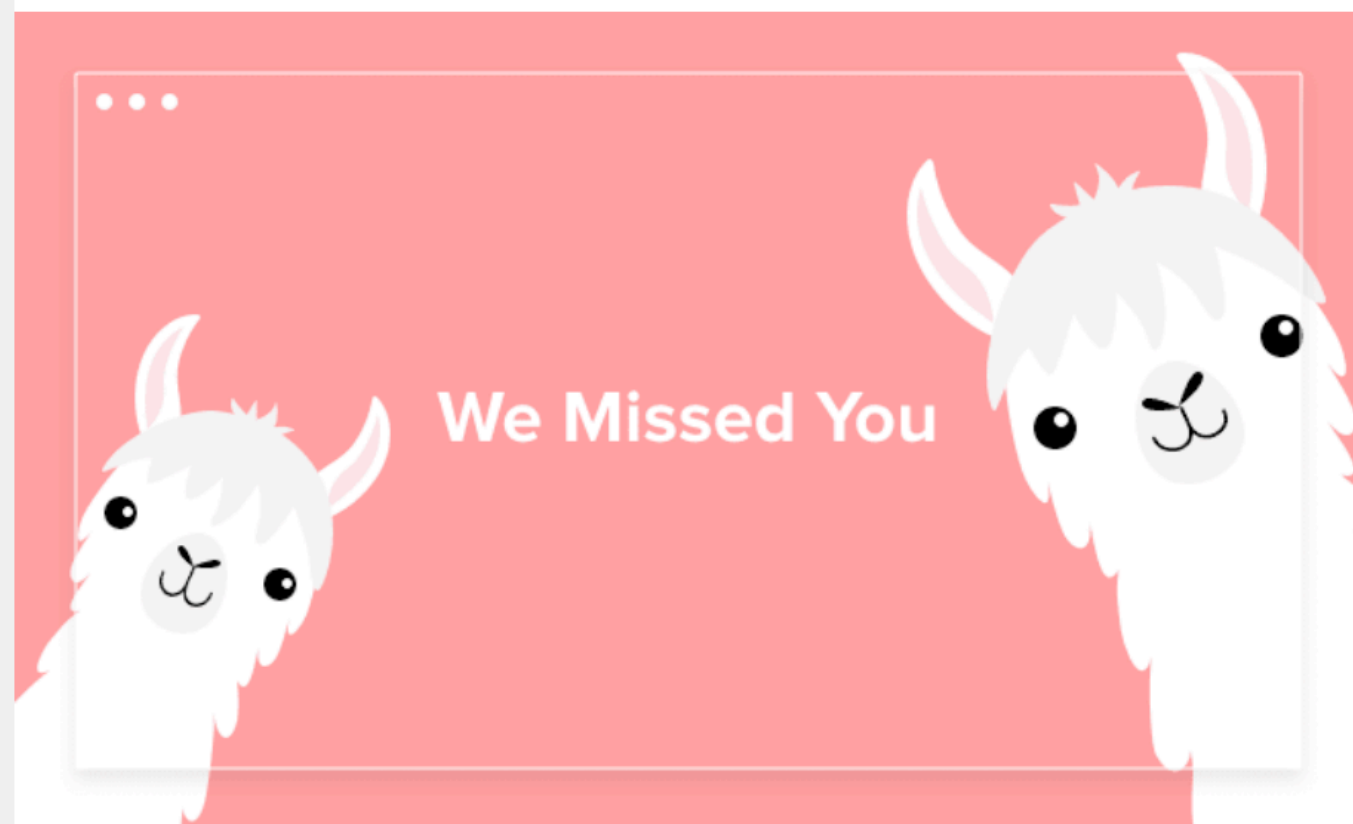
Do something.



We missed you!

It's been 6 months since your last visit. To make sure you're still actively using our platform, we encourage you to login.

[Go To Control Panel](#)



If you aren't using our platform anymore simply ignore this email, and your account will be deleted on **2020-05-21**.

Looking for a more powerful hosting?

Upgrade to premium to get a 24/7 live support to help you on your journey

[Upgrade To Premium](#)



We missed you!

It's been 6 months since your last visit. To make sure you're still actively using our platform, we encourage you to login.

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Looking for a more powerful hosting?

Upgrade to premium to get a 24/7 live support to help you on your journey

[Upgrade To Premium](#)

Dark Mode email client support chart (as of October 2021)

Email Client	HTML Treatment in Dark Mode	@media	[data-ogsc]	Quirks
Apple Mail (MacOS)	No change*	✓ Yes	✗ No	*Pure white (#ffffff) BGs will be inverted if <meta> is present
iPhone / iPad (iOS 13)	No change*	✓ Yes	✗ No	*Pure white (#ffffff) BGs will be inverted if <meta> is present
Hey.com	No change	✓ Yes	✗ No	
Outlook.com	Partial invert	? Partial*	? Partial**	*Some BG colors will be darkened **Image swap works!
Outlook 2019 (MacOS)	Partial invert	? Partial*	✗ No	*Some BG colors will be darkened
Outlook 2019 (WinOS)	Full invert*	✗ No	✗ No	*Special targeting is possible!
Outlook app (iOS)	Partial invert	? Partial*	✗ No	*Some BG colors will be darkened
Outlook app (Android)	Partial invert	✗ No	? Partial*	*Some BG colors will be darkened
Gmail app (iOS)	Full invert*	✗ No	✗ No	*Special targeting is possible!
Gmail app (Android)	Partial invert	✗ No	✗ No	

Dark Mode email client support chart (as of October 2021)

Email Client	HTML Treatment in Dark Mode	@media	[data-ogsc]	Quirks
Apple Mail (MacOS)	No change*	✓ Yes	✗ No	*Pure white (#ffffff) BGs will be inverted if <meta> is present
iPhone / iPad (iOS 13)	No change*	✓ Yes	✗ No	*Pure white (#ffffff) BGs will be inverted if <meta> is present
Hey.com	No change	✓ Yes	✗ No	

Secondly, if you accidentally leave Dark Mode `<meta>` tags in your template, Apple Mail / iPhone / iPad *will* auto-convert any instance of pure white `#ffffff` to dark gray unless you override it with your custom Dark Mode styles. Or alternatively, you can use an off-white like `#fffffe` instead.

(WinOS)	Full invert	✗ No	✗ No	*Special targeting is possible!
Outlook app (iOS)	Partial invert	? Partial*	✗ No	*Some BG colors will be darkened
Outlook app (Android)	Partial invert	✗ No	? Partial*	*Some BG colors will be darkened
Gmail app (iOS)	Full invert*	✗ No	✗ No	*Special targeting is possible!
Gmail app (Android)	Partial invert	✗ No	✗ No	

Do not fight dark mode.
Embrace it.

Dark Mode for Email Simulator

Check how your email looks like in Dark Mode.

Want to preview emails in your inbox in Dark Mode?
Use the [Email Source Converter](#) to convert the source and paste the HTML below.

[Learn more about this tool.](#)

Proof email campaigns faster with ProofJump

From simple MailChimp campaigns to emails with dynamic content in Salesforce Marketing Cloud - ProofJump is the quickest way to complete your QA and approvals.

See How

Turn on dark mode

View in Full Screen

Use email example

Render

Email HTML



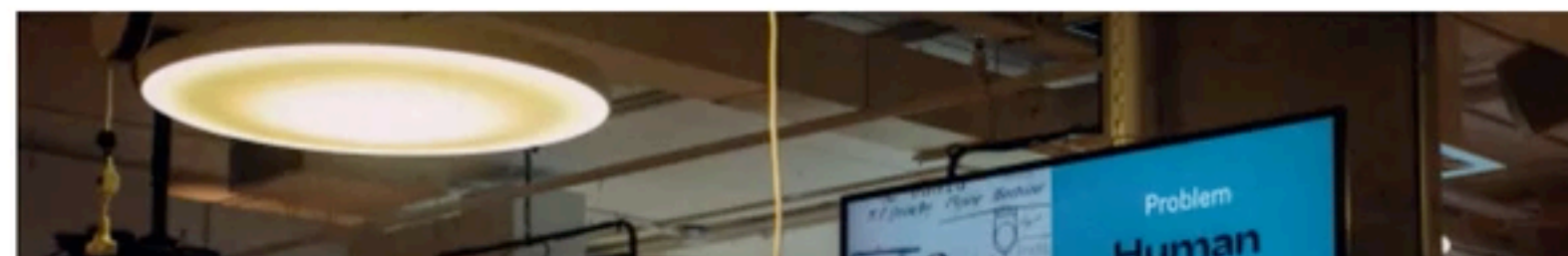
Introducing Demo Hub Summit

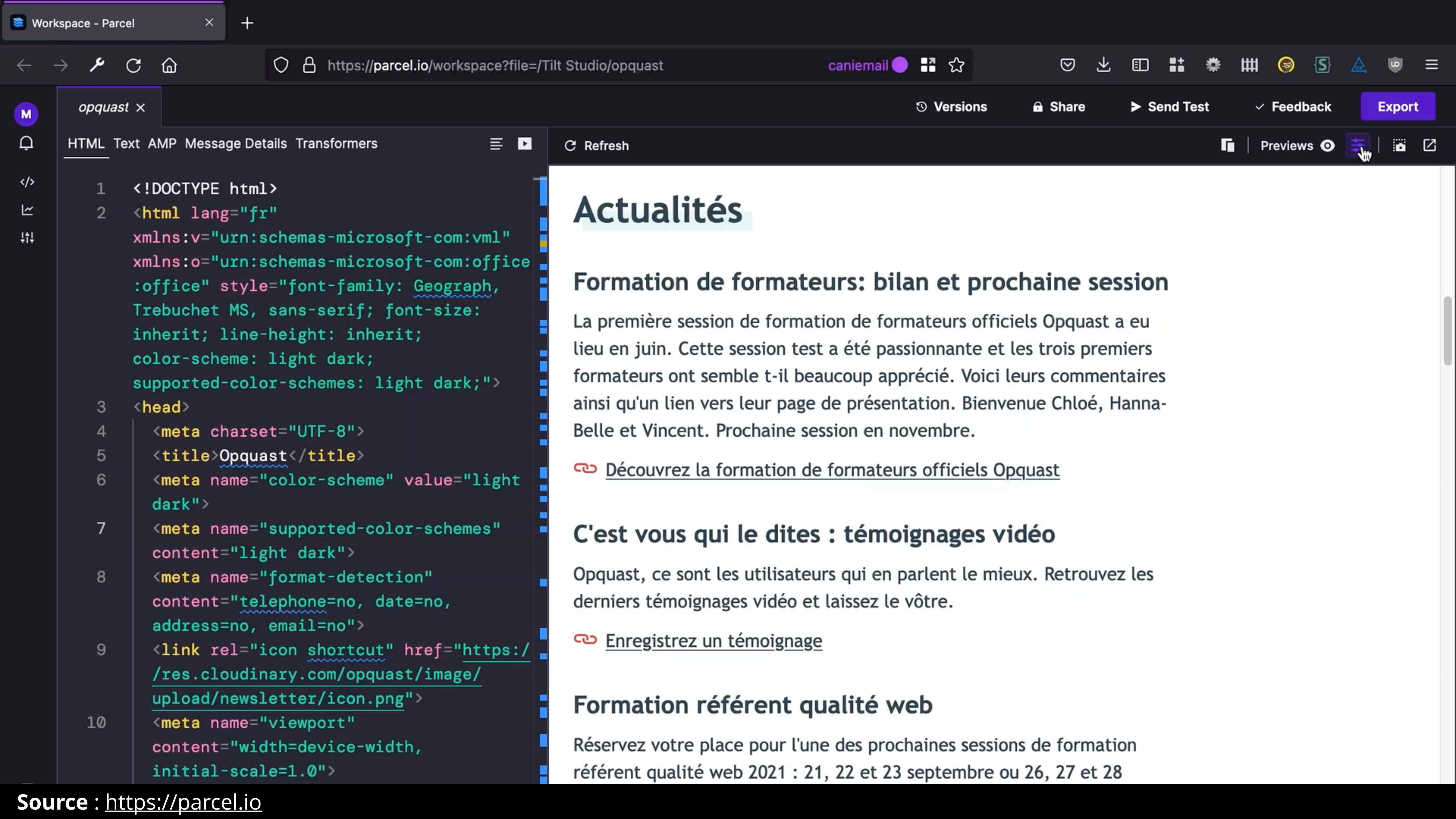
Register Now

October 16-18

SLC Conference Center, NY

[Add to calendar](#)





```

1 <!DOCTYPE html>
2 <html lang="fr"
  xmlns:v="urn:schemas-microsoft-com:vml"
  xmlns:o="urn:schemas-microsoft-com:office:office" style="font-family: Geograph, Trebuchet MS, sans-serif; font-size: inherit; line-height: inherit; color-scheme: light dark; supported-color-schemes: light dark;">
3 <head>
4   <meta charset="UTF-8">
5   <title>Opquast</title>
6   <meta name="color-scheme" value="light dark">
7   <meta name="supported-color-schemes" content="light dark">
8   <meta name="format-detection" content="telephone=no, date=no, address=no, email=no">
9   <link rel="icon shortcut" href="https://res.cloudinary.com/opquast/image/upload/newsletter/icon.png">
10  <meta name="viewport" content="width=device-width, initial-scale=1.0">

```

Actualités

Formation de formateurs: bilan et prochaine session

La première session de formation de formateurs officiels Opquast a eu lieu en juin. Cette session test a été passionnante et les trois premiers formateurs ont semble t-il beaucoup apprécié. Voici leurs commentaires ainsi qu'un lien vers leur page de présentation. Bienvenue Chloé, Hanna-Belle et Vincent. Prochaine session en novembre.

[Découvrez la formation de formateurs officiels Opquast](#)

C'est vous qui le dites : témoignages vidéo

Opquast, ce sont les utilisateurs qui en parlent le mieux. Retrouvez les derniers témoignages vidéo et laissez le vôtre.

[Enregistrez un témoignage](#)

Formation référent qualité web

Réservez votre place pour l'une des prochaines sessions de formation référent qualité web 2021 : 21, 22 et 23 septembre ou 26, 27 et 28

Tip #2

**Use transparent
images.**

putsmail@putsmail.litmus.com

Thu 12/13/2018, 3:27 PM

You



BUY NOW!



PLAYGROUND RETURNS

Playground mode is back and better than before! Explore new team select options, building edit options, and more.

putsmail@putsmail.litmus.com

Thu 12/13/2018, 3:27 PM

You



BUY NOW!



PLAYGROUND RETURNS

Playground mode is back and better than before! Explore new team select options, building edit options, and more.



[Unsubscribe](#) | [View online](#) | [Privacy policy](#) | [Refer a friend](#)

*Click the link above for 15% off. Discount is automatically applied at checkout. Ends 11:59 PM, June 13, 2017.



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*Click the link above for 15% off. Discount is automatically applied at checkout. Ends 11:59 PM, June 13, 2017.

Tip #2 *and a half*

**Use transparent
images.** *And an outline.*



Products Inspiration 10+ Employees? Help & FAQ Account

Chop that melon!

Goggles on? Smash the fruit for a reward.

HI-YAH!



Products Inspiration 10+ Employees? Help & FAQ Account

Chop that melon!

Goggles on? Smash the fruit for a reward.

HI-YAH!



logox2-alt.png @ 700% (Calque 1, RVB/8) *

20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240



Bibliothèques

Historique

- logox2-alt.png
 - Ouvrir
 - Taille de la zone de travail
 - Contour

Calques

Couches

Tracés

Type

Normal Opacité : 100 %

Verrou : Fond : 100 %

- Calque 1
 - Effets
 - Contour



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Products Inspiration 10+ Employees? Help & FAQ Account

Chop that melon!

Goggles on? Smash the fruit for a reward.

HI-YAH!





system@useparcel.com
To: You

Fri 7/1/2022 9:10 AM

Les bonnes infos

n°77 · 27 JUIN 2022



Bonjour !

Ravi de vous retrouver ce matin.



system@useparcel.com
To: You

Fri 7/1/2022 9:10 AM

Les bonnes infos

n°77 · 27 JUIN 2022



Bonjour !

Ravi de vous retrouver ce matin.





Le Monde


Ne vous limitez plus aux gros titres

Offre Essentiel
9,99 €/mois
👤 1 compte



S'abonner

Offre Essentiel
14,99 €/mois
👤 2 comptes




S'abonner



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Ne vous limitez plus aux gros titres

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9,99 €/mois
👤 1 compte



S'abonner

Offre Essentiel
14,99 €/mois
👤 2 comptes



S'abonner

Tip #3

**Use the dark mode
media query.**

```
@media (prefers-color-scheme: dark) {  
  .files {  
    color: white;  
    background: black;  
  }  
}
```

Firefox

SMASHING
CONFERENCE



HOME

SCHEDULE

WORKSHOPS

SPEAKERS

LOCATIONS

PARTNERS

TICKETS

Counting down to **SmashingConf Freiburg 2022** — a friendly, inclusive conference **for designers and front-end developers**

- **September 5–7, 2022** at the magnificent “Kaufhaus”!
- Every attendee has to be **fully vaccinated**,
- Prefer to **join online**? See how we run hybrid!



Inspecteur Console Débogueur Éditeur de style Performances Réseau Mémoire Stockage Accessibilité Applications axe DevTools

Rechercher dans le HTML

```
<header class="header" role="banner">...</header> grid
<nav class="main" role="navigation">...</nav>
<main id="main-content" class="c home">
  <div class="vsn"> flex
    <div class="v">...</div> débordement
    <div class="v">...</div> débordement
  </div>
  <div class="ssg">...</div> débordement
</main>
```

html.wfl2 > body > div.freiburg-2022 > div.page > main#main-content.c.home > div.vsn > div.v

Règles Mise en page Calculé Modifications Compatibilité Polices Animat

Filtrer les styles :hov .cls + ☀️ 🗑️

élément { ☑️ } inline

```
.v {
  width: calc(50% - 2rem);
  margin: 0 1rem;
}
```

a, body, caption, div, em, h1, h2, h3, header, html, img, li, nav, p, span, strong, sup, table, tbody, td, tfoot, th, thead, tr { ☑️ }

Chrome

SMASHING
CONFERENCE



HOME

SCHEDULE

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TICKETS

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- **September 5–7, 2022** at the magnificent “Kaufhaus”!



Elements Console Recorder Sources Network Performance insights Performance Memory Application Security Lighthouse

```
<!DOCTYPE html>
<html lang="en" class="wfl2">
  <head>...</head>
  <body>
    <div class="freiburg-2022">
      <a href="#main-content" class="skip-main">Skip to main content</a>
      <div class="page">
        <header class="header" role="banner">
          <h1>...</h1>
          <nav class="events" aria-label="Main">...</nav>
        </header>
        <nav class="main" role="navigation">...</nav>
        <main class="c home" id="main-content">...</main>
        <section class="block bg--navy" id="highlights" role="complementary">...</section>
        <section class="spg">...</section>
        <section class="spg">...</section>
      </div>
    </div>
  </body>
</html>
```

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls +

```
element.style {
}

@media (min-width: 60em)
header.header h1 {
  width: auto;
  text-align: left;
}

header.header h1 {
  width: 100%;
  margin: 28px 0 14px 0;
  text-align: center;
  font-family: -apple-system, BlinkMacSystemFont, Roboto Slab, "Droid Serif", Segoe UI, Georgia, Times New Roman, sans-serif;
  font-size: 30px;
  line-height: 30px;
}
```

html.wfl2 body div.freiburg-2022 div.page header.header h1

```

```



```
<picture>  
  <source srcset="logo-dark.png"  
          media="(prefers-color-scheme:dark)" />  
    
</picture>
```

Required in Apple Mail 12 :

```
<meta name="supported-color-schemes"  
      value="light dark" />
```

Required in Apple Mail 12 :

```
<meta name="supported-color-schemes"  
      value="light dark" />
```

Required in Apple Mail 13 and above :

```
<style>  
  :root {  
    color-scheme: light dark;  
  }  
</style>
```

@media (prefers-color-scheme) CSS

Estimated Support: 27.27% supported

Apple Mail	Gmail	Outlook	Yahoo! Mail	AOL	Samsung Email
macOS ✓	Desktop Webmail ✗	Windows ✗	? Desktop Webmail ✗	? Desktop Webmail ✗	Android ✗
iOS ✓	iOS ✗	macOS ✓	? iOS ✗	? iOS ✗	
	Android ✗	Outlook.com ✓	? Android ✗	? Android ✗	
	Mobile Webmail ✗	iOS ✓			
		Android ✗			

- Favorites
- Folders
 - Boîte de réception
 - Junk Email
 - Drafts

- Boîte de réception Filter
- system@useparcel.com
Dark Mode Example | Tes... Fri 2:48 PM
Your exclusive invitation to preorder ...
 - system@useparcel.com
Dark Mode Example | Tes... Fri 2:47 PM
Everything we announced at Config 2...

Général Rechercher

Apparence : Clair Som *Utilisez un aspect sombre pour les boutons, les menus et les fenêtres.*

Situation : Multicolore

Briance : Couleur d'accentuation

Matérielle : Moyenne

Autoriser la coloration du fond d'écran dans les fenêtres

Automatiquement :

- automatiquement en fonction de la souris ou du trackpad
- lors du défilement
- toujours

Appuyer sur :

- aller à la page suivante
- aller à l'endroit cliqué

Défaut : Firefox Developer Edition.app

Dark Mode Example | Test 2022-09-02T12:47:47

Getting too much email? [Unsubscribe](#) | [Manage subscriptions](#)

system@useparcel.com
To: You; tupeuxpastilt@gmail.com
Fri 9/2/2022 2:47 PM



Say hello to FigJam ^{Beta}

FigJam is an online whiteboard for teams to **ideate** and **brainstorm** together

Start jamming

Easy to learn and fun to use, FigJam is designed for everyone to explore more ideas, together.



Tip #4

**Use custom styles
for Outlook.com.**

```
<style>
  .files {
    ...
  }
</style>
<div style="background:#fff; color:#000;">
  <div class="files">
    ...
  </div>
</div>
```

Outlook.com

```
<style>
  .x_files {
    ...
  }
</style>
<div style="background:#fff; color:#000;">
  <div class="x_files">
    ...
  </div>
</div>
```


Outlook.com

```
<style>
  .x_files {
    ...
  }
</style>
<div style="background:#fff; color:#000;">
  <div class="x_files">
    ...
  </div>
</div>
```



Outlook.com in dark mode

```
<style>
  .x_files {
    ...
  }
</style>
<div style="background:#333; color:#ddd;"
  data-ogsb="#fff" data-ogsc="#000">
  <div class="x_files">
    ...
  </div>
</div>
```

```
@media (prefers-color-scheme: dark) {  
  .files {  
    color: white;  
    background: black;  
  }  
}
```

Step 1 : exclude Outlook.com from media query styles

```
@media (prefers-color-scheme: dark) {  
  .files:not([class^="x_"]) {  
    color: white;  
    background: black;  
  }  
}
```

Step 2 : duplicate styles only for Outlook.com

```
[data-ogsb] .files {  
  color:white;  
  background:black;  
}
```

Tip #5

**Fix Gmail with
blend modes.**

[TEST SEND] - Christie, what kind of money do you need?



Start with a question, end with the solution

Christie, do you pay off your credit cards every month?

If you answered "Yes"...

Get A Rewards Card

You may qualify for a [rewards credit card](#). For

[TEST SEND] - Christie, what kind of money do you need?



Start with a question, end with the solution

Christie, do you pay off your credit cards every month?

If you answered "Yes"...

Get A Rewards Card

You may qualify for a [rewards credit card](#). For



Nest

Save on the
year's biggest
deals.

See all offers

Save £20 on
Nest Mini.¹

£29 £49




Nest

Save on the
year's biggest
deals.

See all offers

Save £20 on
Nest Mini.¹

£29 £49




Nest

Save on the
year's biggest
deals.

See all offers

Save £20 on
Nest Mini.¹

£29 ~~£49~~



Nest

Save on the
year's biggest
deals.

CATEGORIES

Email Clients That Break Because Of A Thing They Force You To Do In The First Place

Emails From Tech Companies That Look Worse In That Same Company Email Client

✍️ Compose

- 📁 Inbox
- ★ Starred
- 🕒 Snoozed
- 📂 Important
- 📧 Sent
- 📄 Drafts
- 📁 All Mail
- 🚫 Spam
- 🗑️ Trash
- ▶️ Categories
- ⌵ More

Labels +

- 📁 [Gmail]/Messages envo...
- 📁 **SmashingConf**
- ⌵ More



1 of 1 < > Fr ▾

CSS Blend mode and isolation SmashingConf x



putsmail@putsmail.litmus.com
to me ▾

Thu, Jul 9, 2020, 10:20 PM ☆ ↶ ⋮



normal



multiply



darken



hard-light

Blend Modes in CSS

Using Blend Modes in CSS, you can achieve advanced effects in emails. This is now supported in Gmail with new update. It also works in Apple Mail, Thunderbird, AOL, Orange.

Further reads:

- [mix-blend-mode](#) on MDN
- [Compositing And Blending In CSS](#) by Sara Soueidan

Gmail in light mode

Get A Rewards Card

Gmail in dark mode

Get A Rewards Card

```
<div style="color:#fff; background:#4d86eb;">  
  Get A Reward Cards  
</div>
```

Gmail in dark mode

```
<div style="color:#000; background:#007740;">  
  Get A Reward Cards  
</div>
```

💡 Add a linear-gradient to maintain a background color in Gmail

```
<div style="color:#fff; background:#4d86eb;  
  background-image:linear-gradient(#4d86eb,#4d86eb);">  
  Get A Reward Cards  
</div>
```

Gmail in dark mode

```
<div style="color:#000; background:#007740;  
    background-image:linear-gradient(#4d86eb,#4d86eb);">  
    Get A Reward Cards  
</div>
```

Gmail in light mode

Get A Rewards Card

Gmail in dark mode

Get A Rewards Card


```
<div style="color:#fff; background:#4d86eb;  
    background-image:linear-gradient(#4d86eb,#4d86eb);">  
    Get A Reward Cards  
</div>
```

```
<div style="color:#fff; background:#4d86eb;
  background-image:linear-gradient(#4d86eb,#4d86eb);">
  <div class="background:#000; mix-blend-mode:difference;">
    Get A Reward Cards
  </div>
</div>
```

```
<div style="color:#fff; background:#4d86eb;
  background-image:linear-gradient(#4d86eb,#4d86eb);">
  <div class="background:#000; mix-blend-mode:screen;">
    <div class="background:#000; mix-blend-mode:difference;">
      Get A Reward Cards
    </div>
  </div>
</div>
```

Gmail in light mode

Get A Rewards Card

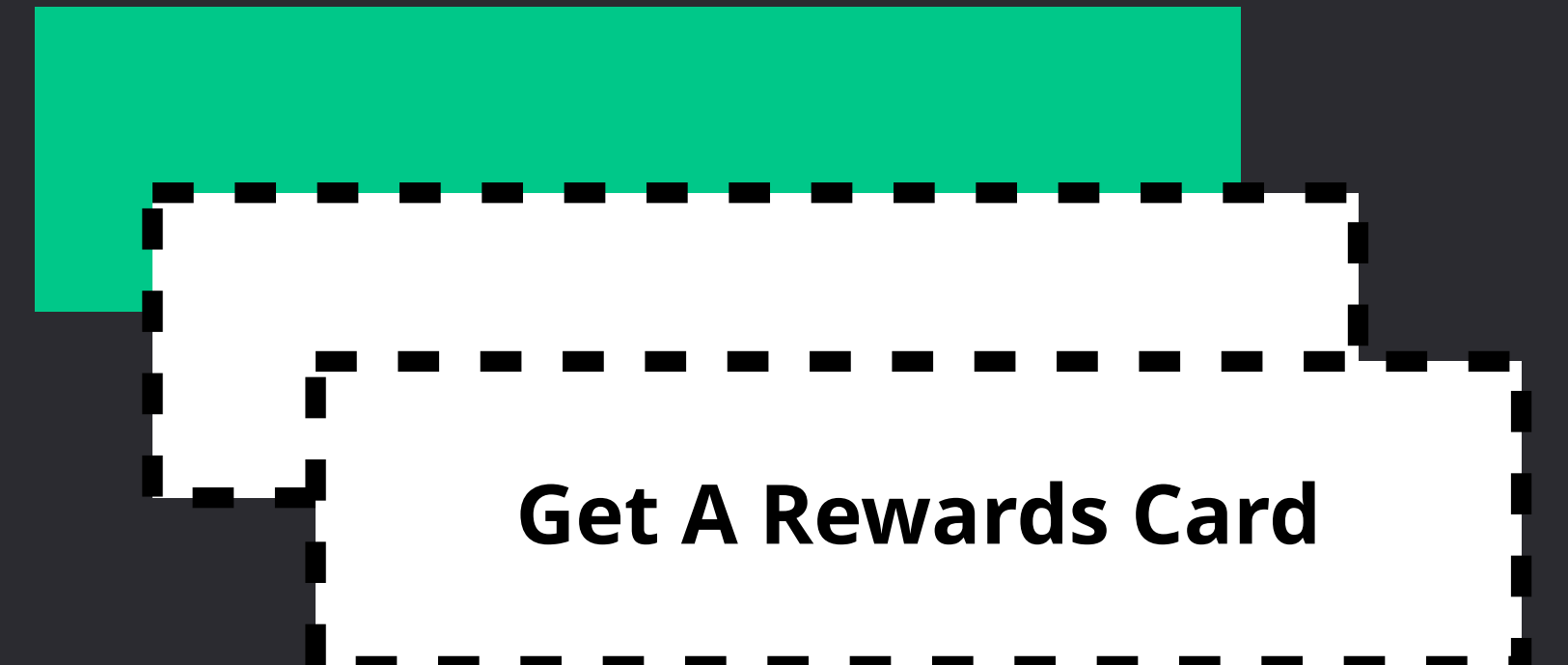
Gmail in dark mode

Get A Rewards Card

Gmail in light mode



Gmail in dark mode



mix-blend-mode:difference

“subtracts the darker of the two constituent colors from the lighter color.”

mix-blend-mode:difference

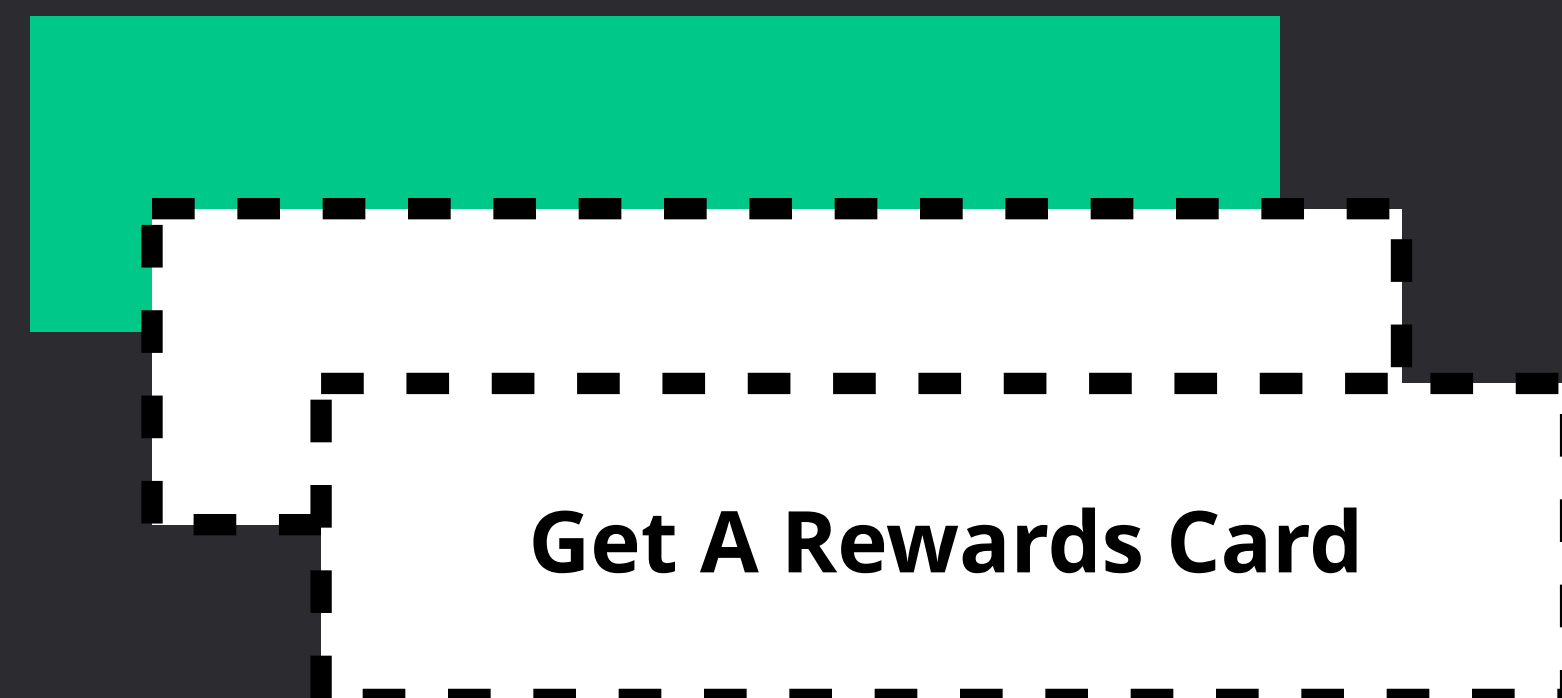
“subtracts the darker of the two constituent colors from the lighter color.”

$$B(C_b, C_s) = |C_b - C_s|$$

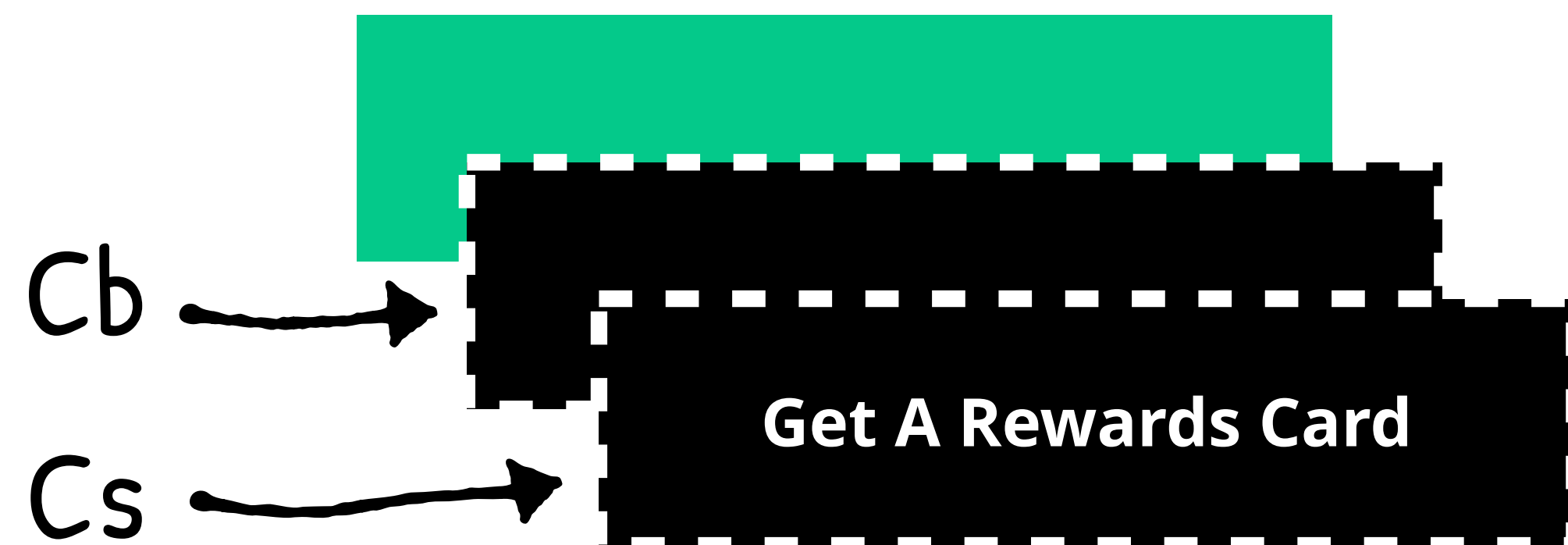
Gmail in light mode



Gmail in dark mode



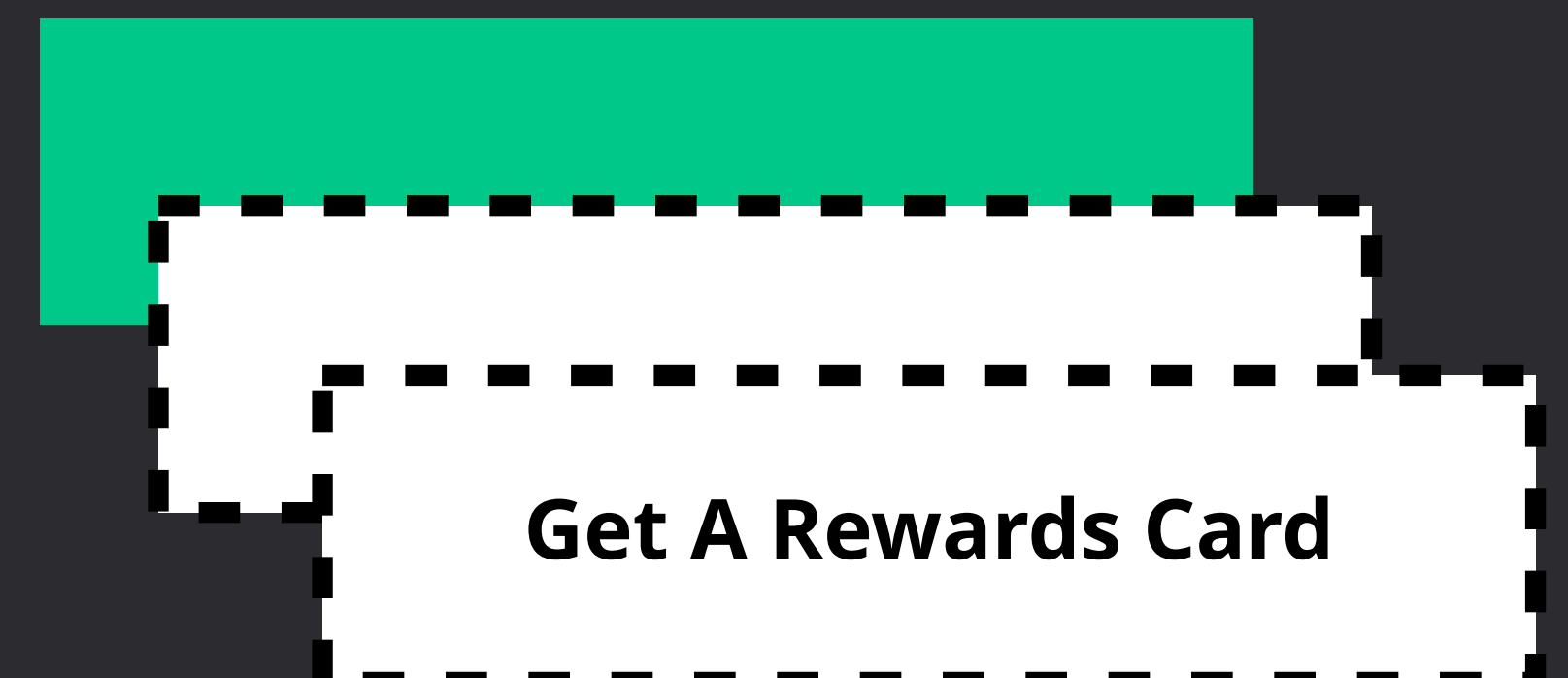
Gmail in light mode



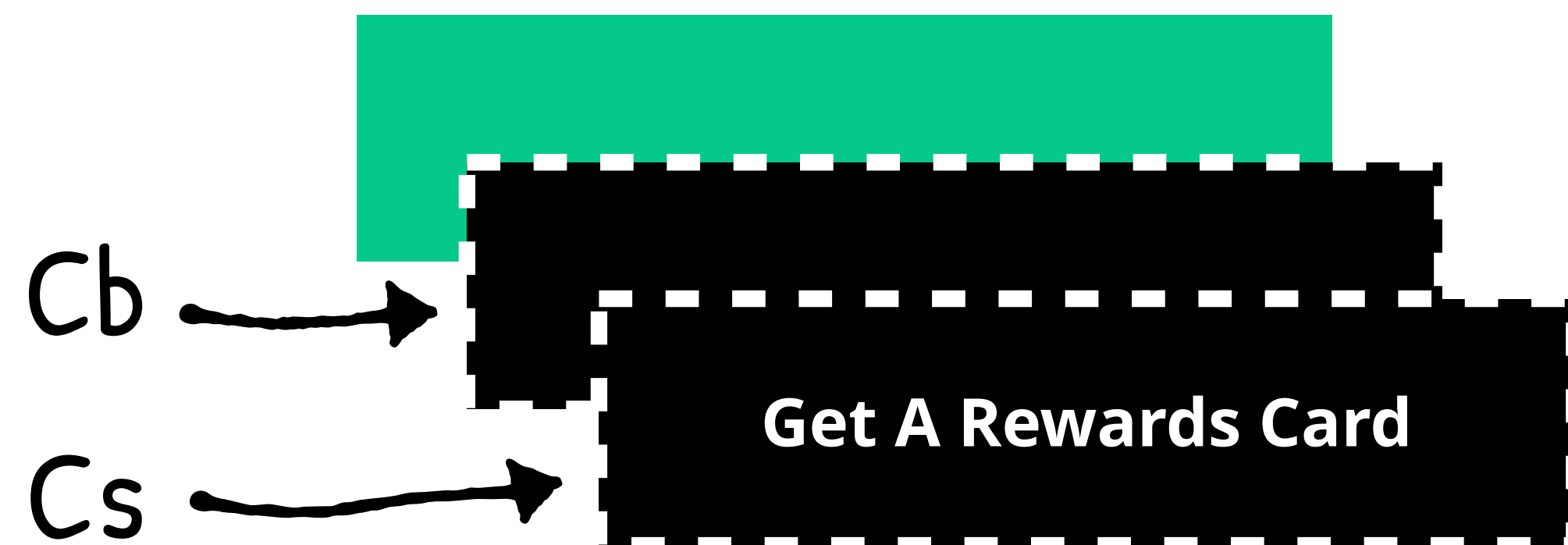
The white text becomes...

$$\begin{aligned} B(Cb, Cs) &= |Cb - Cs| \\ &= |#000 - #fff| \end{aligned}$$

Gmail in dark mode



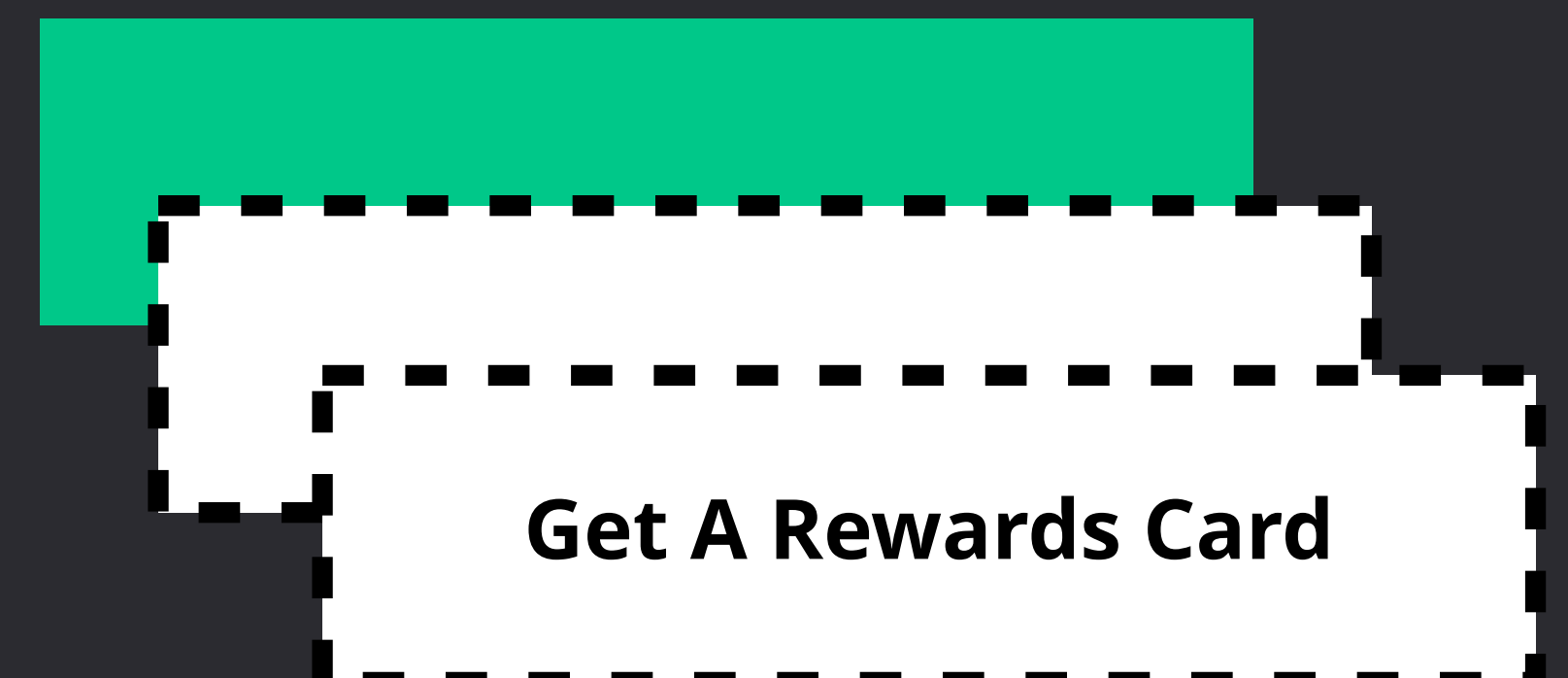
Gmail in light mode



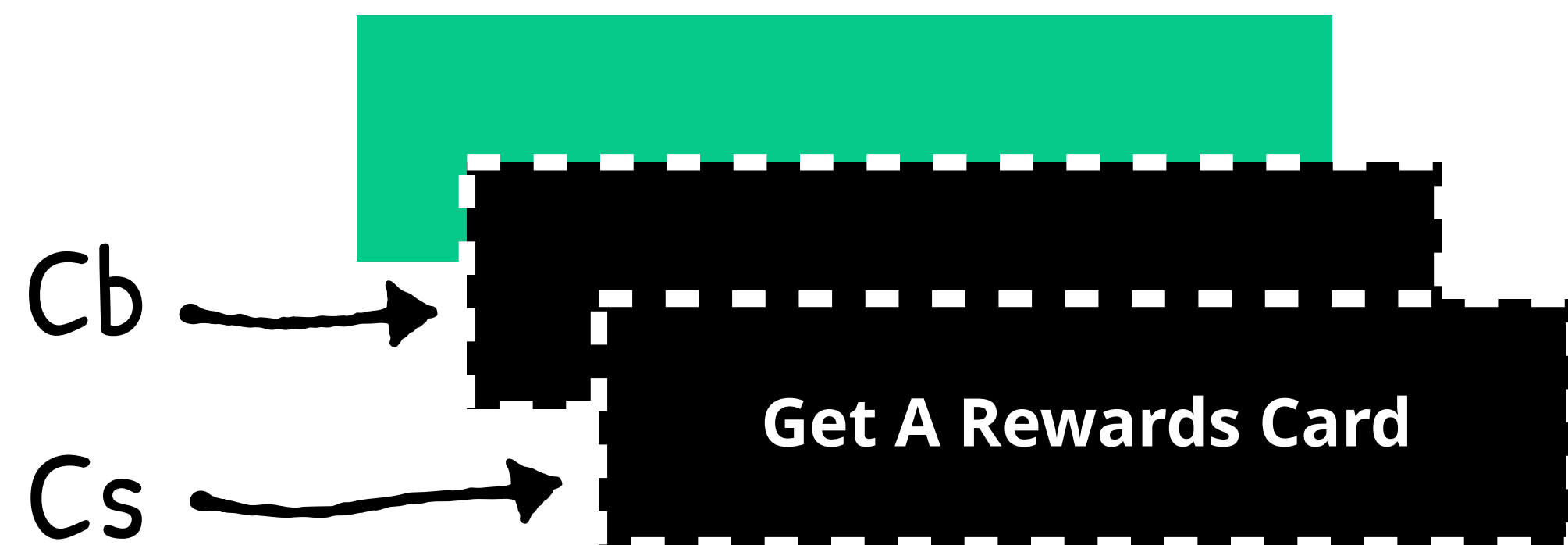
The white text becomes...

$$\begin{aligned} B(Cb, Cs) &= |Cb - Cs| \\ &= | \#000 - \#fff | \\ &= \#fff \end{aligned}$$

Gmail in dark mode



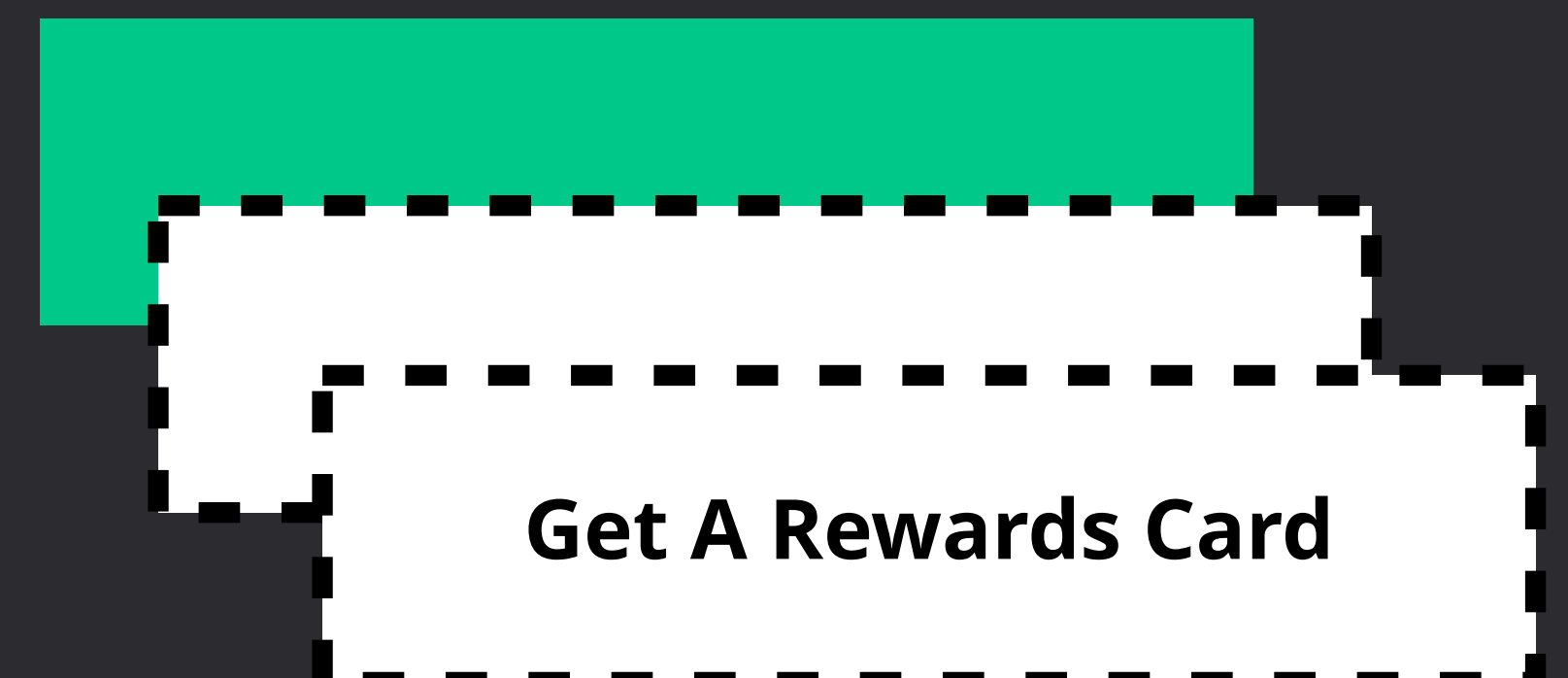
Gmail in light mode



The black background becomes...

$$\begin{aligned} B(C_b, C_s) &= |C_b - C_s| \\ &= | \#000 - \#000 | \end{aligned}$$

Gmail in dark mode



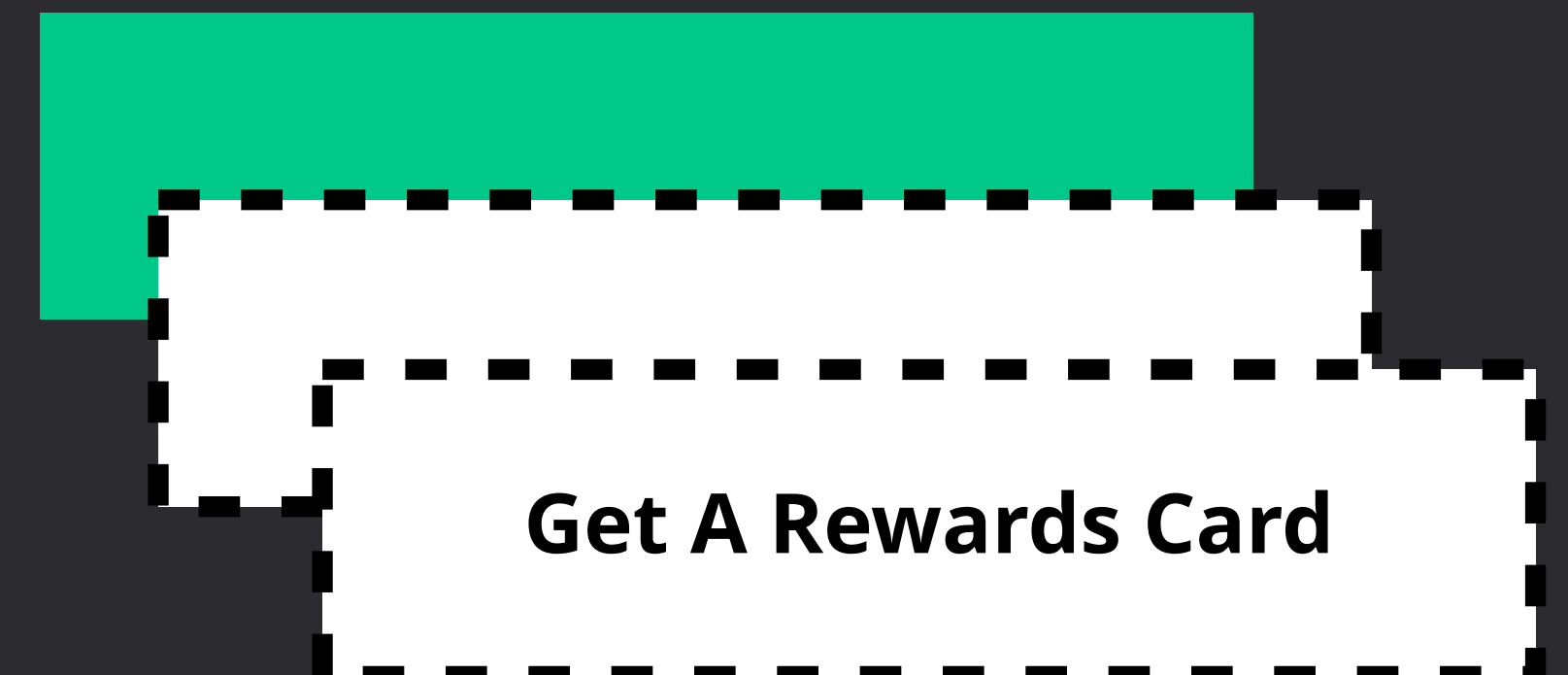
Gmail in light mode



The black background becomes...

$$\begin{aligned} B(C_b, C_s) &= |C_b - C_s| \\ &= | \#000 - \#000 | \\ &= \#000 \end{aligned}$$

Gmail in dark mode



Gmail in light mode



Get A Rewards Card

Gmail in dark mode



Get A Rewards Card

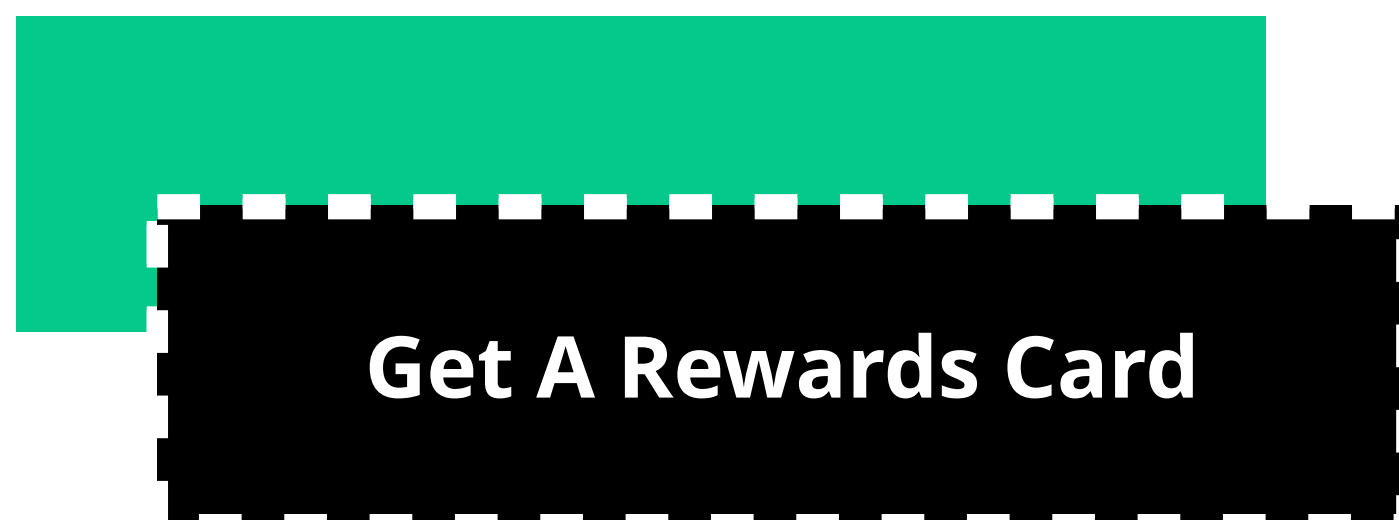
Gmail in light mode



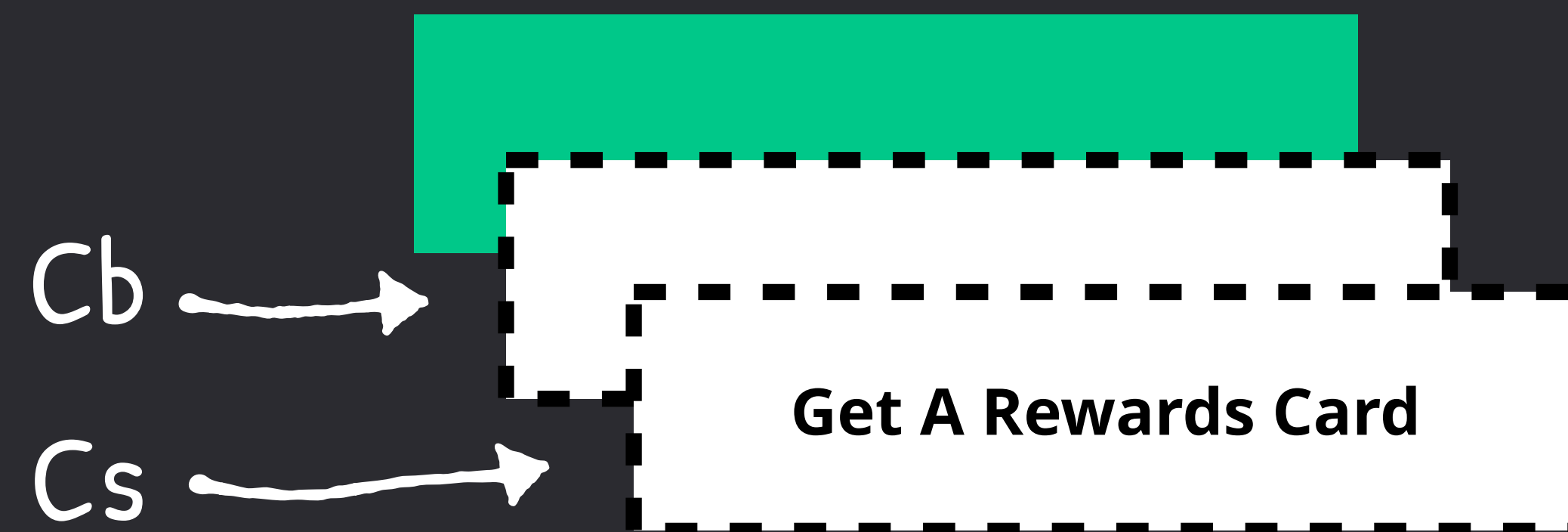
Gmail in dark mode



Gmail in light mode



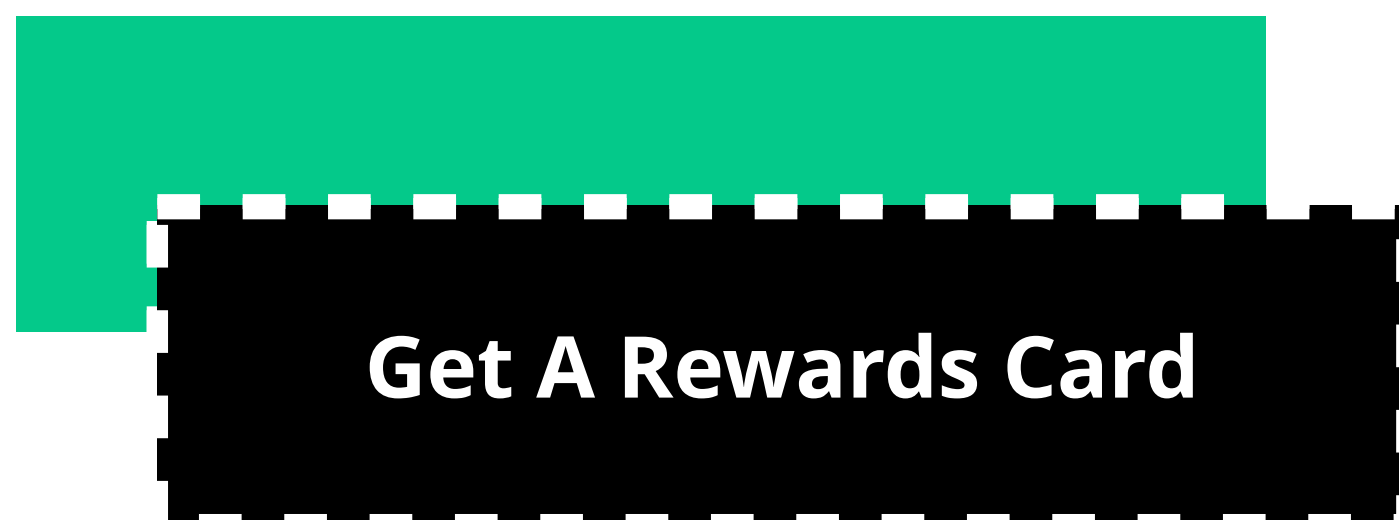
Gmail in dark mode



The black text becomes...

$$\begin{aligned} B(Cb, Cs) &= |Cb - Cs| \\ &= |\#fff - \#000| \end{aligned}$$

Gmail in light mode



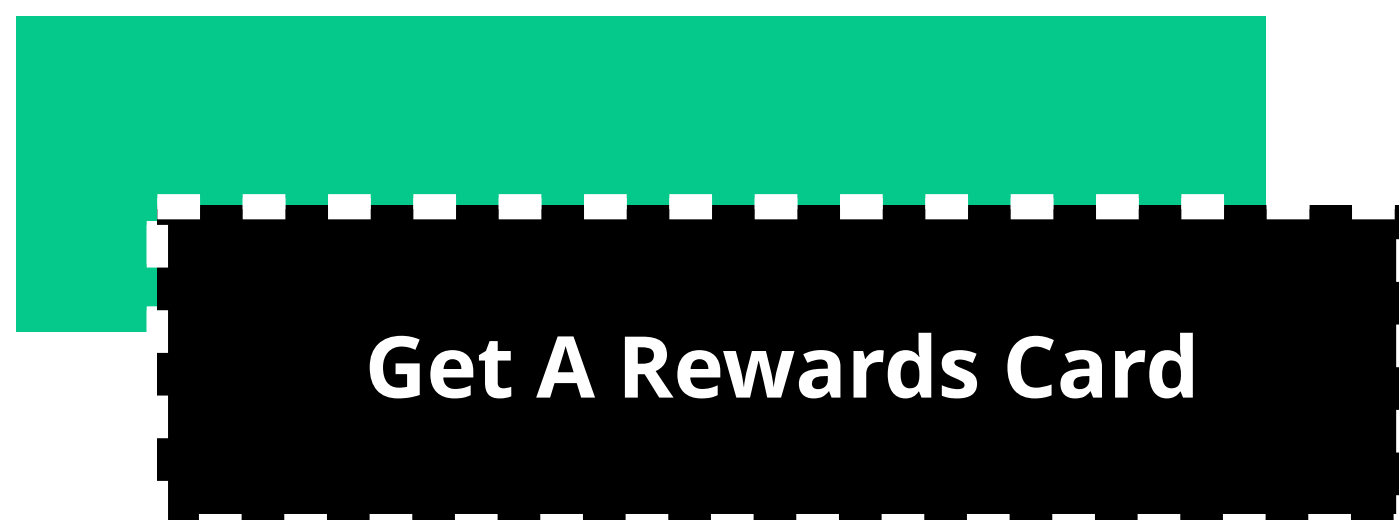
Gmail in dark mode



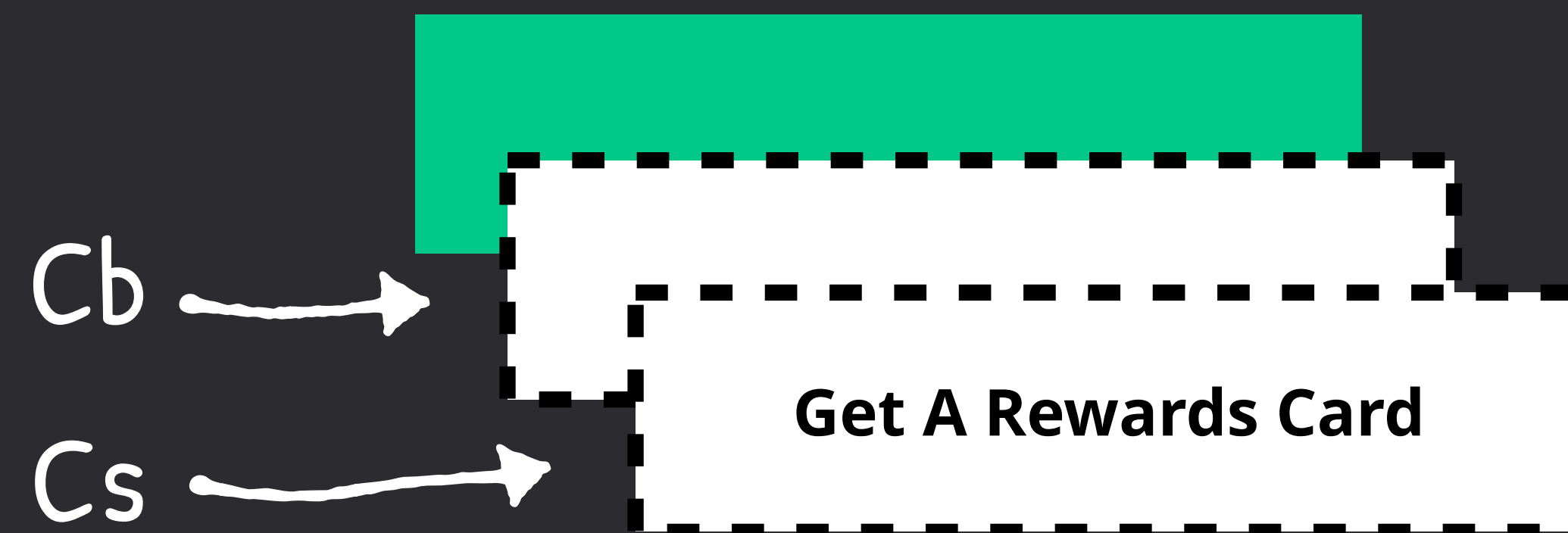
The black text becomes...

$$\begin{aligned} B(Cb, Cs) &= |Cb - Cs| \\ &= |#fff - #000| \\ &= #fff \end{aligned}$$

Gmail in light mode



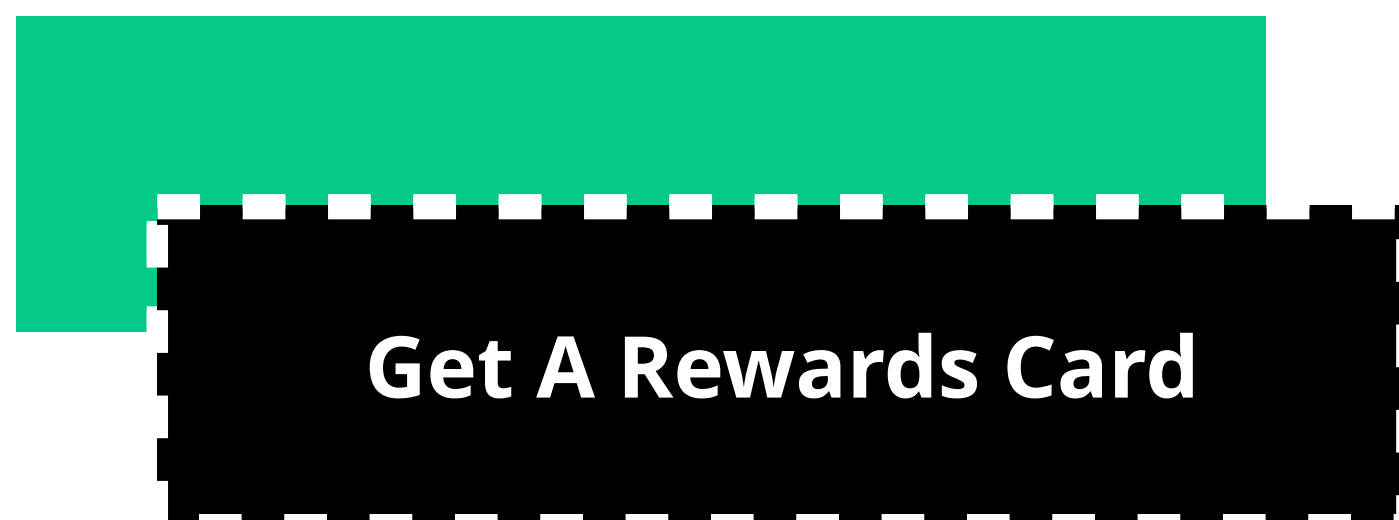
Gmail in dark mode



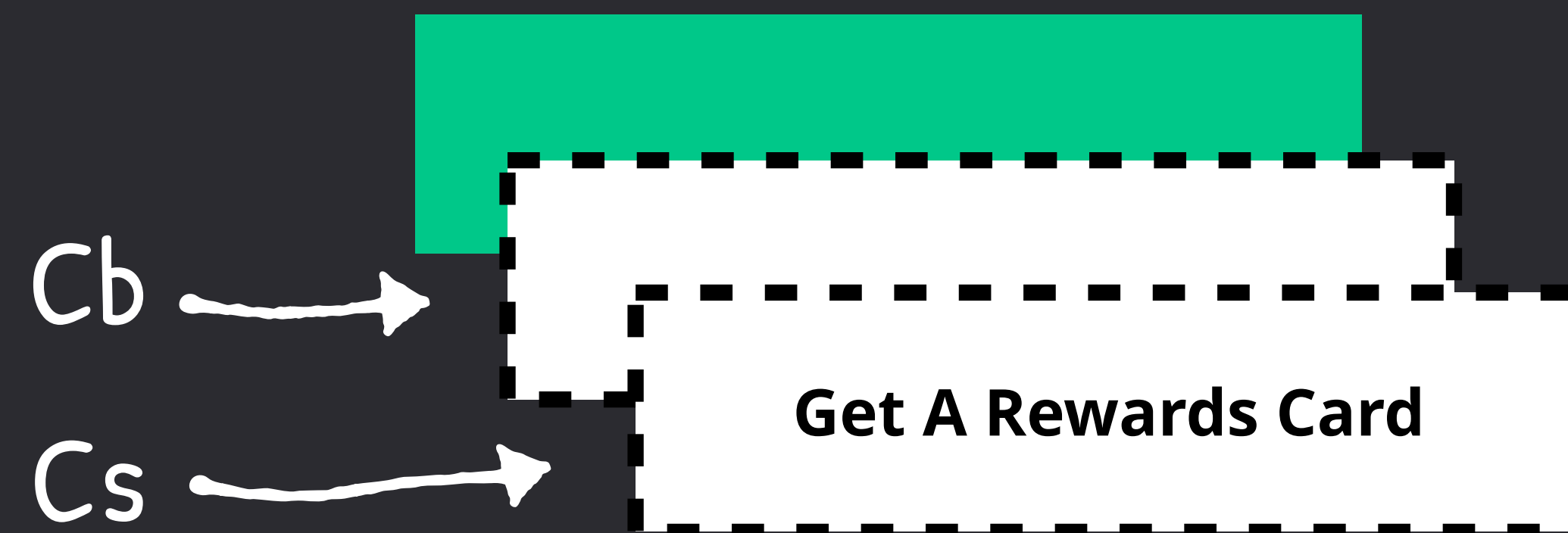
The white background becomes...

$$\begin{aligned} B(Cb, Cs) &= |Cb - Cs| \\ &= |\#fff - \#fff| \end{aligned}$$

Gmail in light mode



Gmail in dark mode



The white background becomes...

$$\begin{aligned} B(Cb, Cs) &= |Cb - Cs| \\ &= |#fff - #fff| \\ &= #000 \end{aligned}$$

Gmail in light mode



Get A Rewards Card

Gmail in dark mode



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mix-blend-mode:screen

“multiplies the complements of the backdrop and source color values, then complements the result”

mix-blend-mode:screen

“multiplies the complements of the backdrop and source color values, then complements the result”

$$B(C_b, C_s) = 1 - [(1 - C_b) * (1 - C_s)]$$

mix-blend-mode:screen

“multiplies the complements of the backdrop and source color values, then complements the result”

$$\begin{aligned} B(C_b, C_s) &= 1 - [(1 - C_b) * (1 - C_s)] \\ &= C_b + C_s - (C_b * C_s) \end{aligned}$$

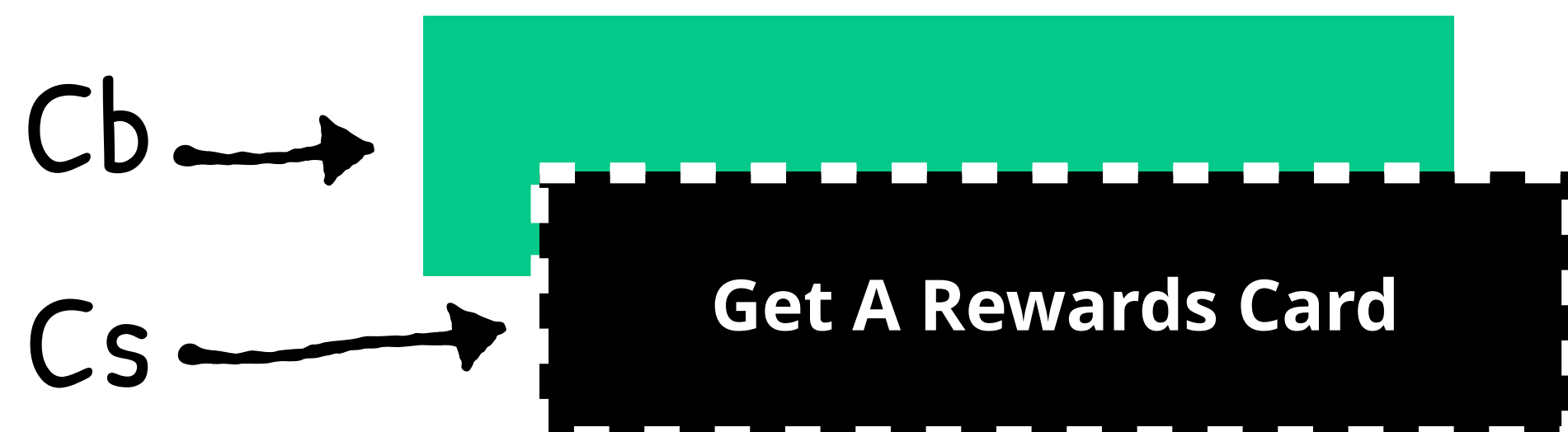
Gmail in light mode



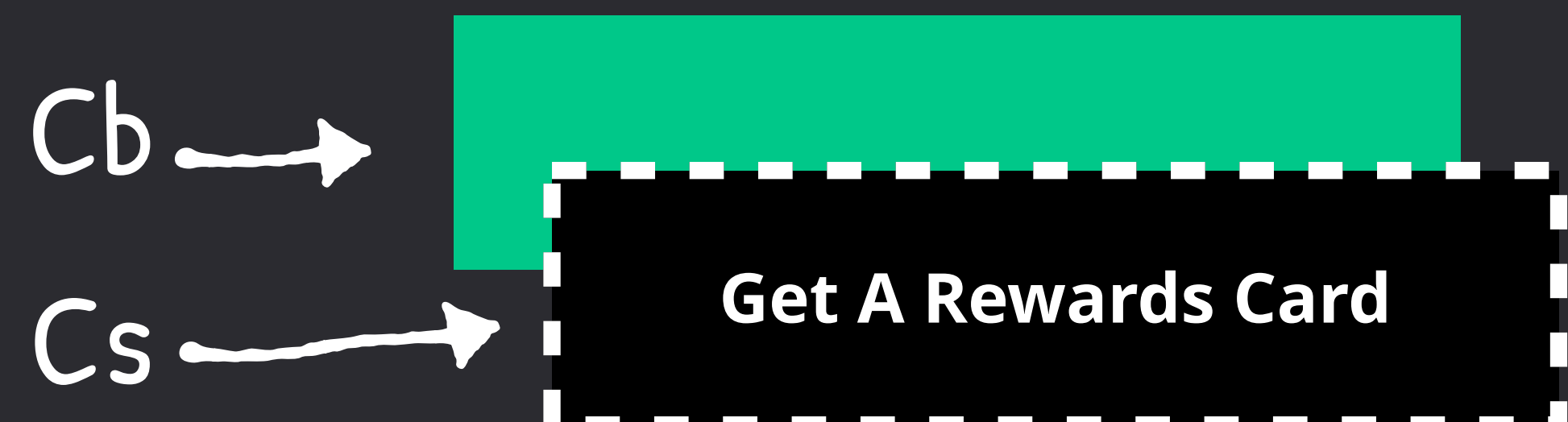
Gmail in dark mode



Gmail in light mode



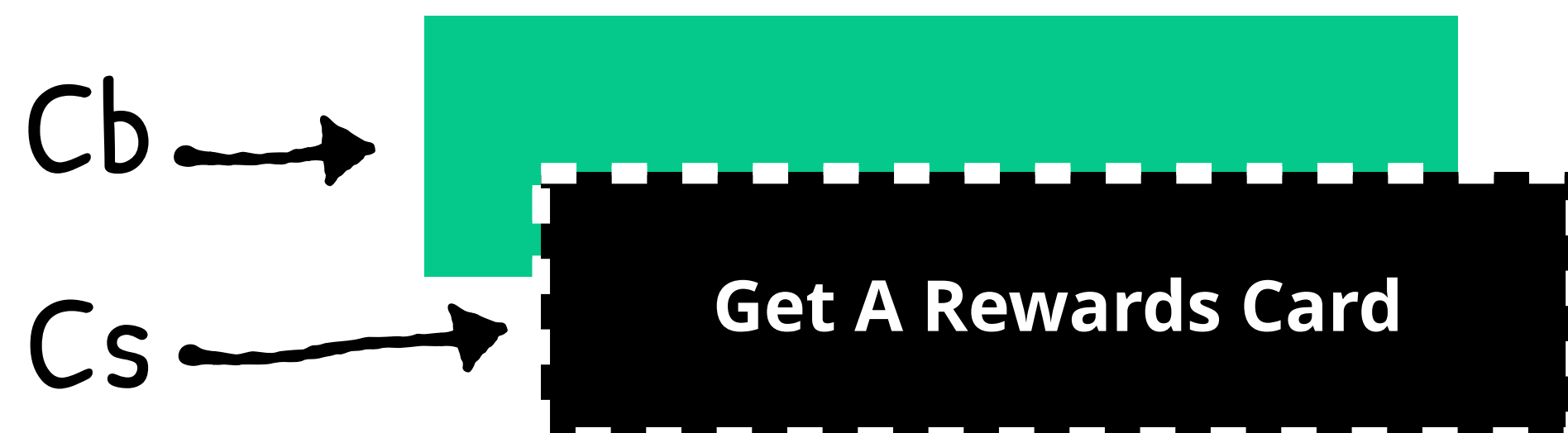
Gmail in dark mode



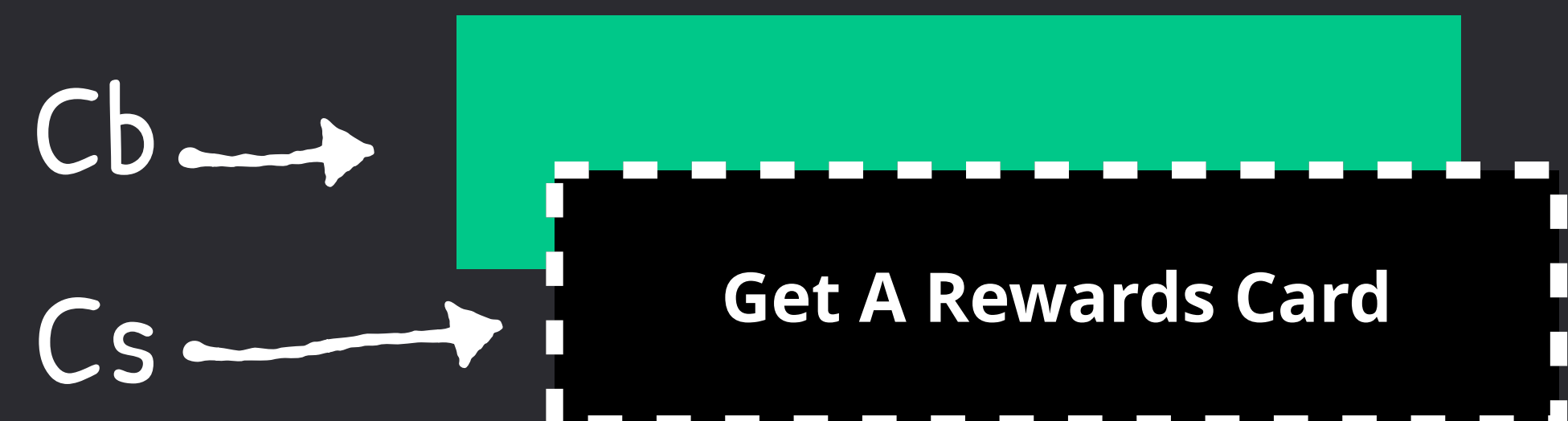
The white text becomes...

$$\begin{aligned} B(Cb, Cs) &= Cb + Cs - (Cb * Cs) \\ &= \#4d86eb + \#fff - (\#4d86eb) \end{aligned}$$

Gmail in light mode



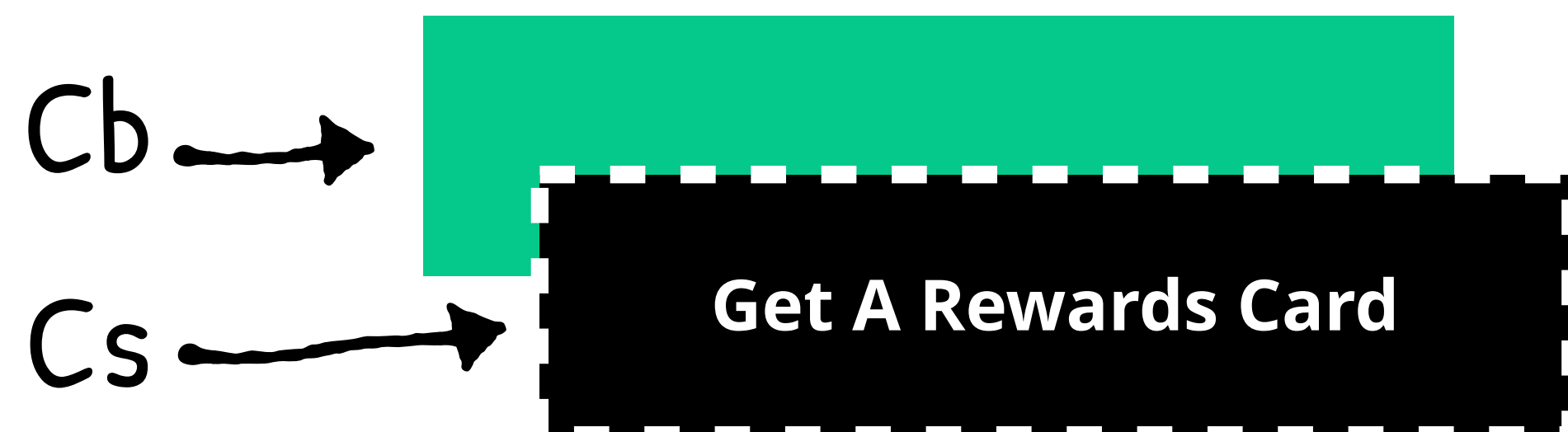
Gmail in dark mode



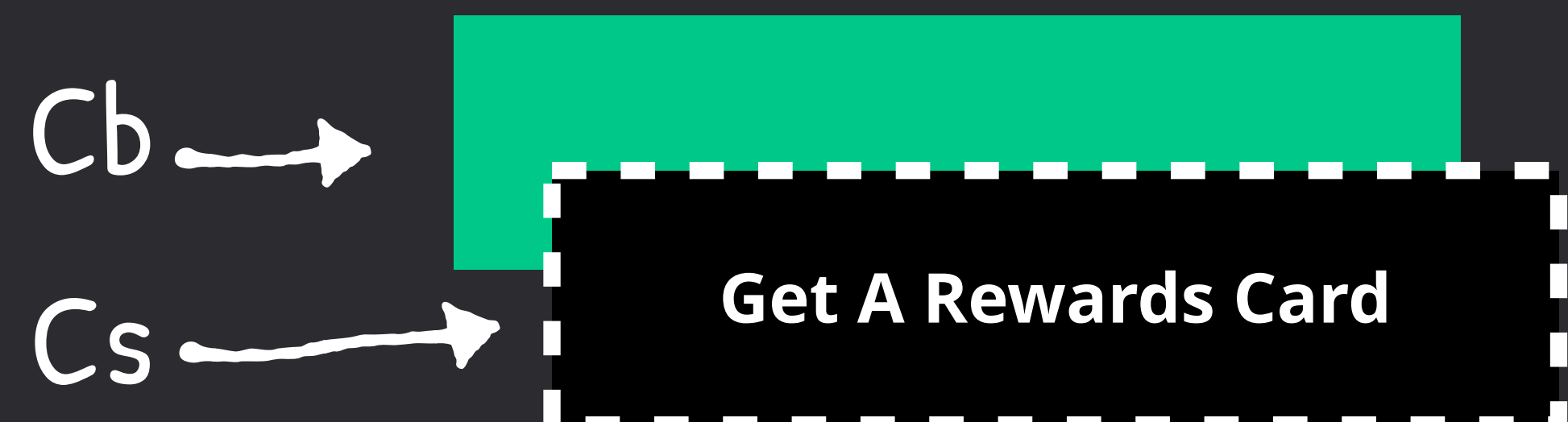
The white text becomes...

$$\begin{aligned} B(Cb, Cs) &= Cb + Cs - (Cb * Cs) \\ &= \#4d86eb + \#fff - (\#4d86eb) \\ &= \#fff \end{aligned}$$

Gmail in light mode



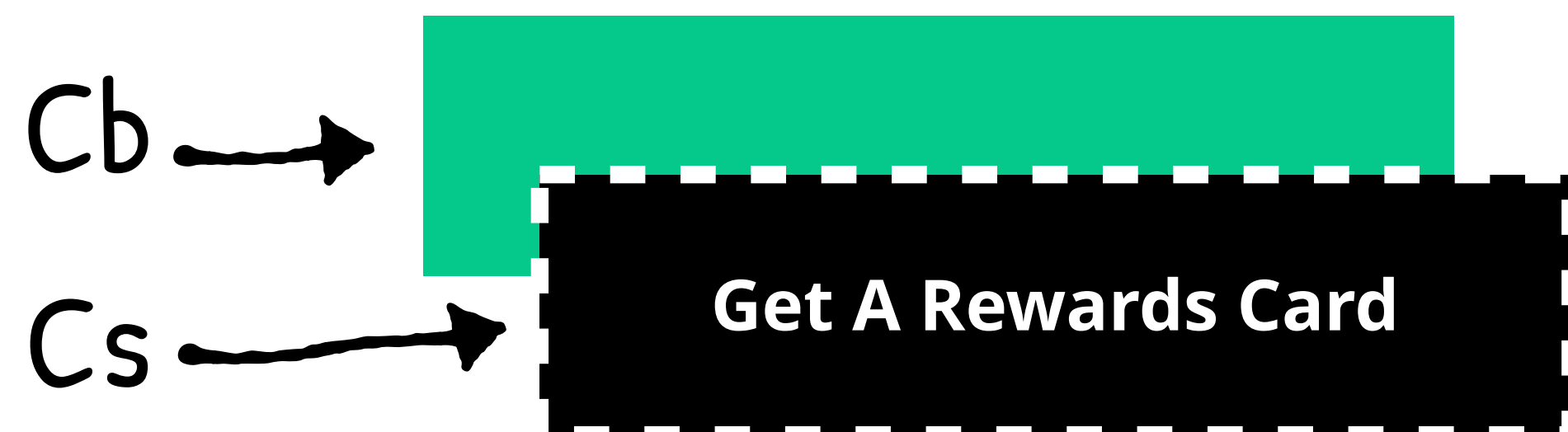
Gmail in dark mode



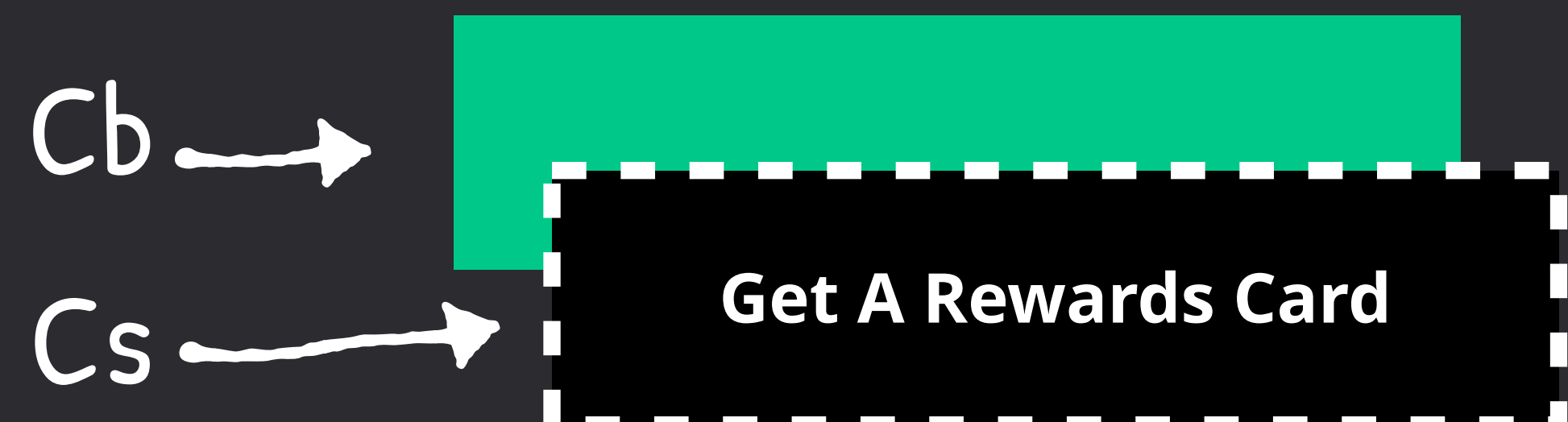
The black background becomes...

$$\begin{aligned} B(Cb, Cs) &= Cb + Cs - (Cb * Cs) \\ &= \#4d86eb + \#000 - (\#000) \end{aligned}$$

Gmail in light mode



Gmail in dark mode



The black background becomes...

$$\begin{aligned} B(Cb, Cs) &= Cb + Cs - (Cb * Cs) \\ &= \#4d86eb + \#000 - (\#000) \\ &= \#4d86eb \end{aligned}$$

Gmail in light mode

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About

Blog

Work With Me

April 09, 2021

Fixing Gmail's dark mode issues with CSS Blend Modes

Since its debut in October 2019, Gmail's dark mode has been causing [a lot of headaches](#). It has improved and standardized over time, but there are still glaring differences between Gmail's dark mode in iOS versus Android.

One of the most inconvenient problems in iOS in particular is that Gmail insists on changing any light text color to a dark text color. So an already dark email with white text on a black background will turn black on white. Not only does that seem counter-efficient, but it also creates real accessibility and readability issues.

Take [this email from Nest](#) for example.

Orange F

14:40

66 %

Orange F

14:40

66 %

Bonus Tip

**The gradient trick
for Outlook.**

(On Windows.)

How To Fix Outlook Dark Mode Problems (Email Design)



Nicole Merlin Aug 29, 2021 (Updated Dec 7, 2021) |



Read Time: 16 mins |



English ▾



Microsoft Outlook

Email Design

Unpredictable text color changes in Outlook for Windows is one of the many mind-boggling issues you've no doubt encountered if you've ever built an HTML email for Dark Mode.

Microsoft Outlook brutally inverts colors in Dark Mode, in some cases even

Accueil Afficher

Nouveau message

Prioritaire Autres Filtrer


Favoris

- Boîte de récep... 1
- Éléments envoyés
- Brouillons
- Éléments suppri...
- Ajouter un favori
- Boîte de récept... 1
- Brouillons
- Éléments envoyés
- Éléments suppri...
- Courrier indésira...
- Archive
- Notes
- Flux RSS
- Historique des c...

C'est tout pour aujourd'hui
Réjouissez-vous : votre boîte de réception est vide.

Bienvenue dans le nouvel Outlook

Nous allons rendre Outlook familier



Nous allons remplacer vos paramètres à partir d'Outlook classique pour Windows. Ce processus unique définit des options de sélection telles que le mode sombre, la position du volet de lecture, etc.

Nous mettrons également à jour ces mêmes paramètres dans Outlook sur le web. [En savoir plus.](#)

Paramètres d'importation Ignorer

THANK YOU

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remi@hteumeuleu.fr

<https://www.hteumeuleu.com>