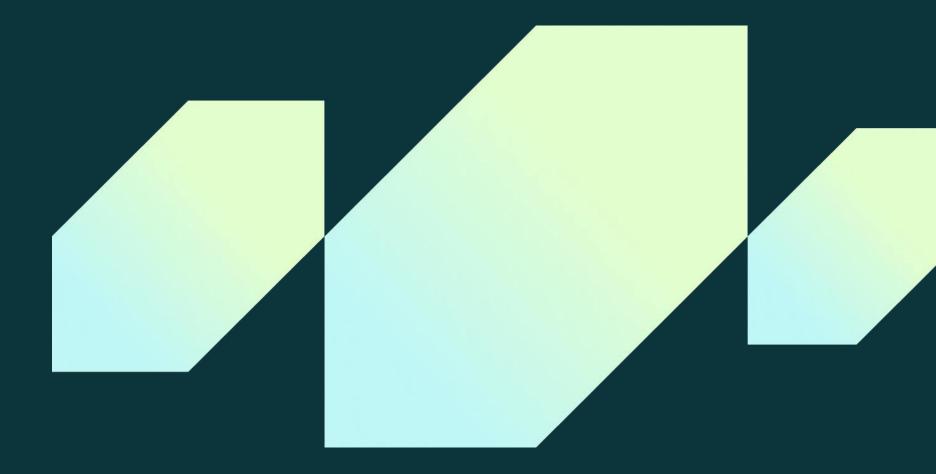
customer.io

## The power of Email Design Systems



### Mark Robbins

Software engineer, Customer.io

Admin, Email Markup Consortium



**QUESTION** 

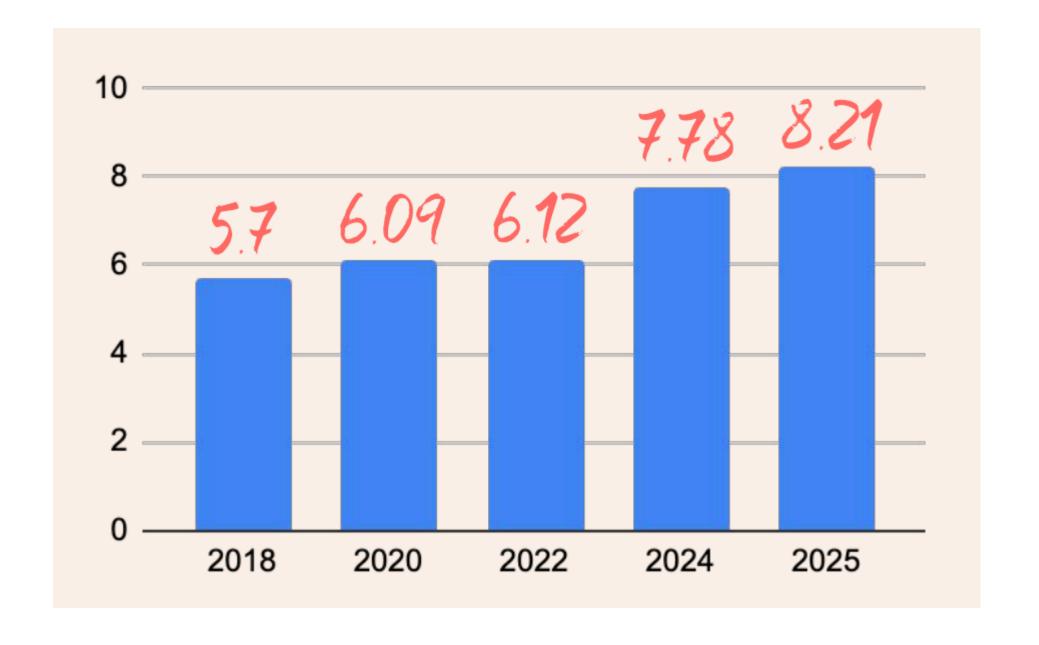
# How long does it take to create one email?

#### **2025 INDUSTRY REPORT**

# 8.21 Days

- Simple emails 3.9 days
- Very complex emails 13.5 days
- Solo creators 3.9 days
- 6-7 person team 16.8 days





# Email has got more complicated

### Email has got more complicated

- 2012 Start of responsive emails
- 2014 Interactive emails gaining popularity
- 2015 Increasing focus on accessibility
- 2016 Frameworks starting to take off
- 2019 AMP4email
- 2019 Dark mode *issues*

- Email client updates
- New laws, regulation
- Technology trends and new tools



# Design systems

- 1960's Advertising brand books
- 1990's Design systems on web
- 2013 Brad Frost Atomic Design



#### **EMAIL DESIGN SYSTEMS**

# Pulling together Branding concepts of the 60's +

Electronic messaging technology of the 70's

# What is an Email Design System (EDS)

A reusable, scalable system for creating branded, consistent, accessible emails.

- Flexible enough to create a wide range of designs.
- Restrictive enough to keep everything consistent and on brand.



# Planning an EDS



# Who will be using the EDS? How will they be using it?



Developer

Working in code



Marketer

Working in visual editor



# How many brands will it cover?



#### Single brand

One brand per design system



#### Multiple brands

That align on basic styles and layout



### Code structure



#### **Custom HTML**

Full control over the output code



#### Framework

Outsourcing email rendering concerns



# Naming conventions



#### **Atomic design**

- Atoms
- Molecules
- Organisms



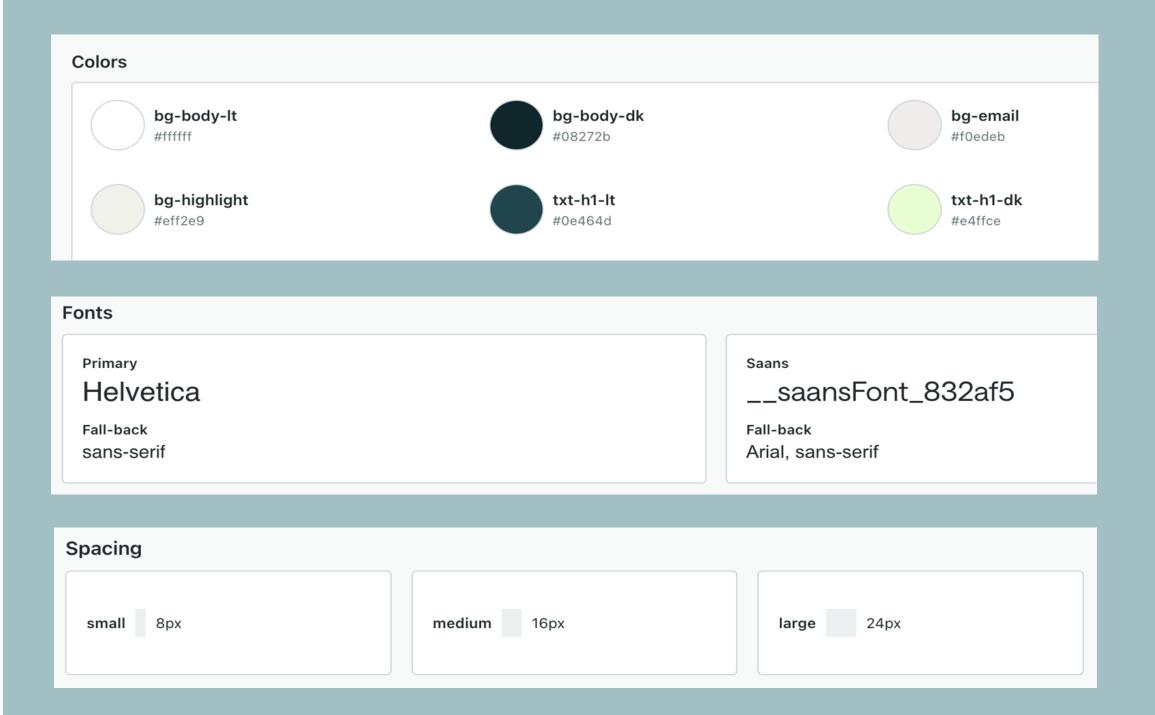
#### **Descriptive**

- Blocks
- Layouts
- Sections



# Atomic Design concepts

### Tokens





### Atoms

Your cheeky H1 goes here

Your charming H2 goes here

#### Your cute H3 goes here

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Primary CtA





### Molecules



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

#### Tertiary CtA →



Use this for one short paragraph and no more than one CtA. If you need to share more links please use another component.

Tertiary CtA →



Jason Lyman
Chief Marketing Officer,
Customer.io

#### Your charming H2 goes here

"We're no strangers to love. You know the rules and so do I. A full commitment's what I'm thinkin' of. You wouldn't get this from any other guy"

**Secondary CtA** 



# Organisms



Log in



LinkedIn | X | YouTube | Instagram

View in your browser

Built with <u>Design Studio</u>, sent with Customer.io © {{"now" | date: "%Y"}} {{snippets.cio\_address}}

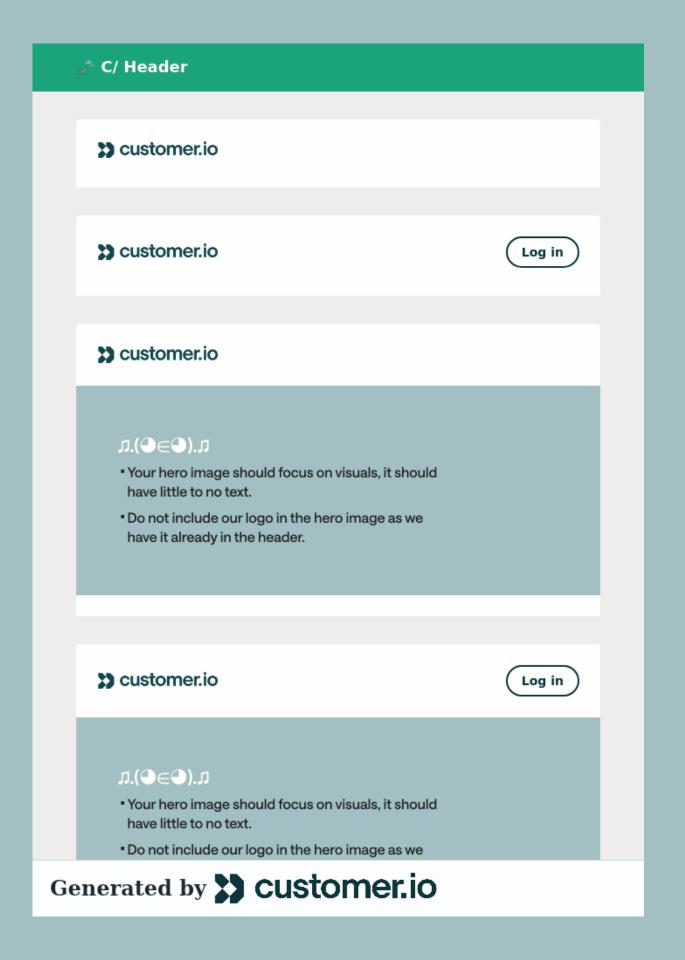


# Implementing an EDS



# Design file

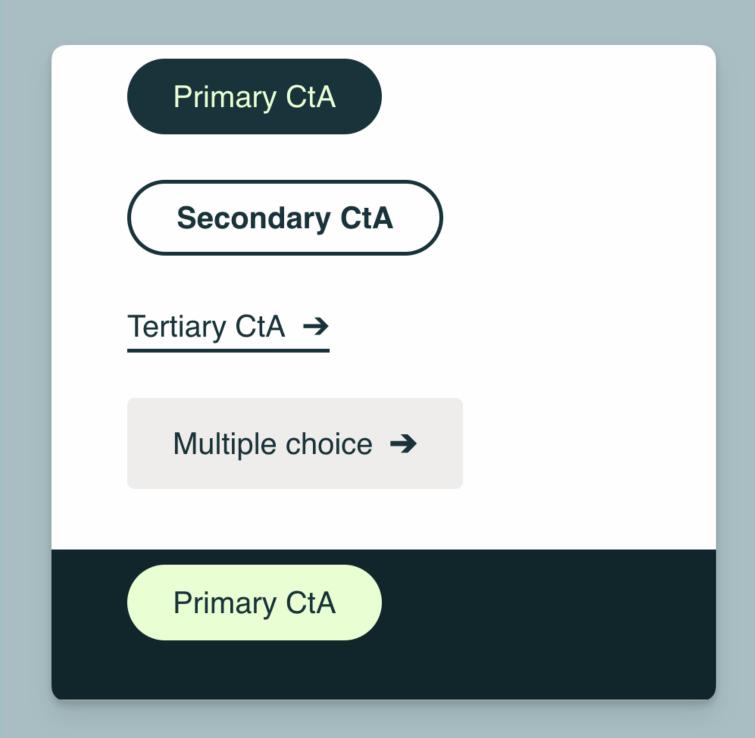
- All components
- Built in an email specific tool





### Variants

Grouping variants





### Code

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   sabema: Component.props
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### In the editor

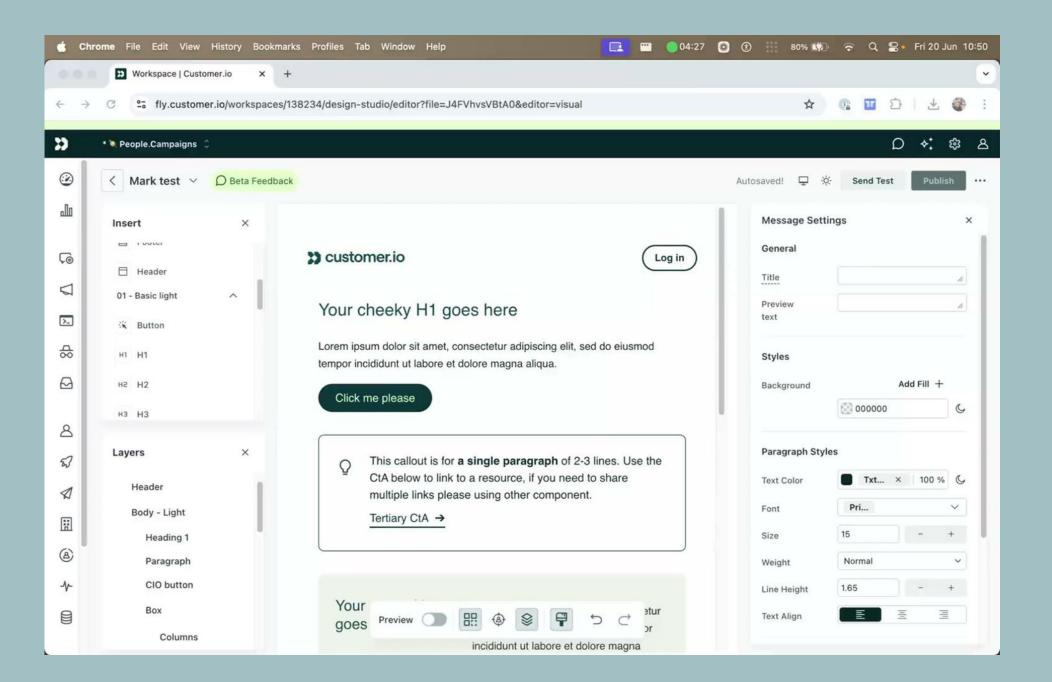
- Custom CTA's in the editor
- Drop down variants





### Header

More complex example in the editor with multiple options





# Restricted placement & conditional rendering



# Improvements we've seen

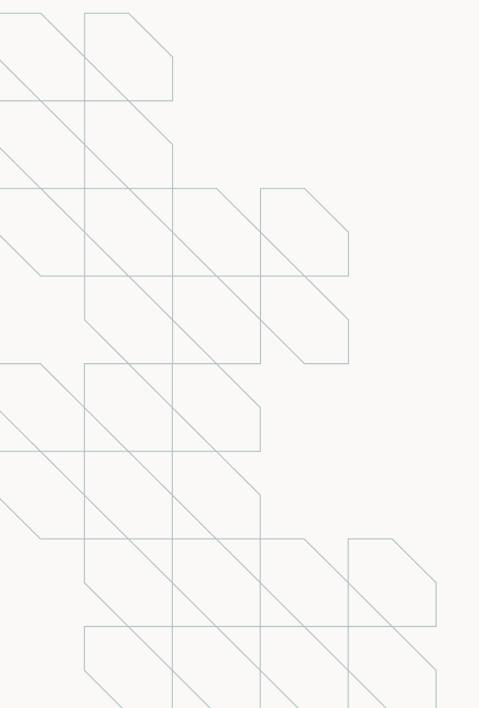


#### **IMPROVEMENTS**

### Performance

- Huge improvement on email creation time
- Huge improvement on QA time
- Better accessibility
- Better rendering across email clients
- ~50% smaller file size





#### User feedback

"Love the EDS! It takes the guesswork out of creating professional, on-brand emails."

"The Design Studio helped me cut email QA and approval time by 70%, even without a design background—because I'm building on what our design team already set up."

"It's been much easier to use our brand's templates in the EDS!"

"Think of EDS as Canva for creating beautiful, on-brand emails with templates at hand. Whatever I can dream up, EDS is sure to deliver!"

"From concept to finalization, using EDS has been a game-changer. It has really sped up my email creation process, helping me stay on brand easily!"

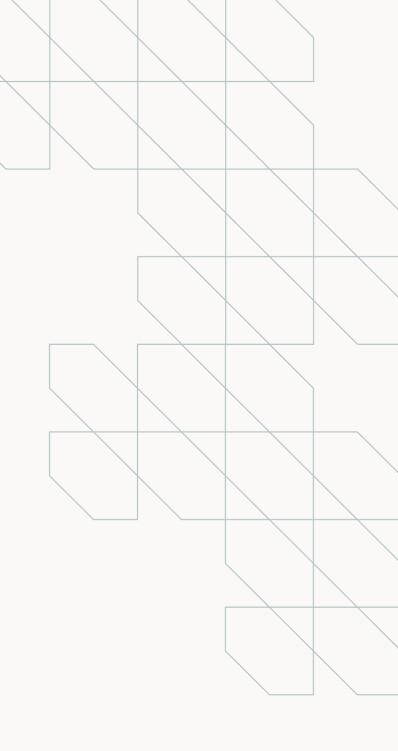




# What is next

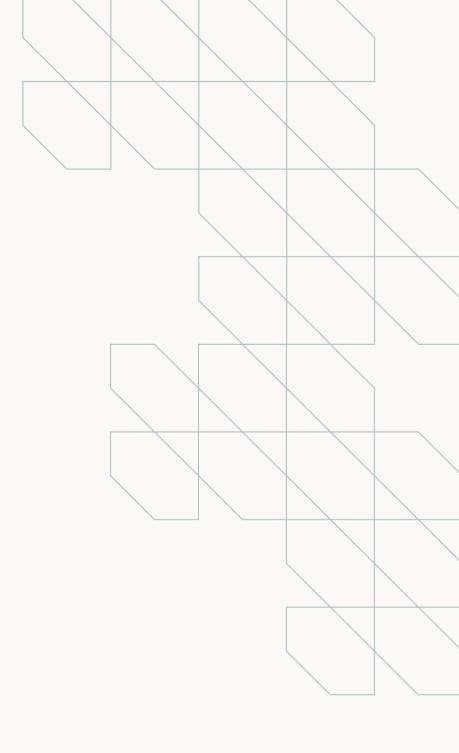
# Constant iteration and improvements

### Documentation



# Progressing enhancement

Al





# A good EDS makes it very hard to create a bad email



www.customer.io
Mark Robbins
mark.robbins@customer.io

