



Accessible SVGs: Pattern, Color Contrast, & Motion Considerations



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Today's Agenda

01

Patterns

03

Animation

02

Color + Contrast

04

Wrap-up + Q&A

SVG Exporting Demo



Step 1:

[codepen.io/
cariefisher/pen/
ExvXOrp](https://codepen.io/cariefisher/pen/ExvXOrp)



Patterns

01

SVG Pattern Considerations

01

Options

What image information needs to be conveyed?

02

AT Support

Which AT devices & tools need supporting?

03

Environment

Are there any framework or user limitations?

SVG Pattern Matrix



[codepen.io/
cariefisher/pen/
QWpjded](https://codepen.io/cariefisher/pen/QWpjded)

SVG Pattern Choice Demo



Step 2:

[codepen.io/
cariefisher/pen/
QWMgzLv](https://codepen.io/cariefisher/pen/QWMgzLv)



Color + Contrast

02



SVG Color + Contrast Considerations

01

WCAG Rules

Essential images must meet a color contrast ratio of 3:1

02

Tools

Color contrast is a formula = many, many tool options

03

Media Queries

@prefers-color-scheme supported by 92-93% of all browsers

SVG Prefers-Color-Scheme Demo



Step 3:

[codepen.io/
cariefisher/pen/
dyzzogV](https://codepen.io/cariefisher/pen/dyzzogV)



Animation

03



SVG Animation Considerations

01

Be Selective

First consider why the movement is needed at all

02

WCAG Rules

You may need to include pause, stop, or hide options for users

03

Media Queries

@prefers-reduced-motion supported by 94% of all browsers

SVG Adding Animation Demo



Step 4:

[codepen.io/
cariefisher/pen/
qBXXOJM](https://codepen.io/cariefisher/pen/qBXXOJM)

SVG Prefers-Reduced-Motion Demo



Step 5:

[codepen.io/
cariefisher/pen/
YzxxEEJ](https://codepen.io/cariefisher/pen/YzxxEEJ)



Wrap-up + Q&A

04



SVG Animation Considerations

01

Patterns

There are a lot of **pattern options** regardless of platform/AT support you need!

02

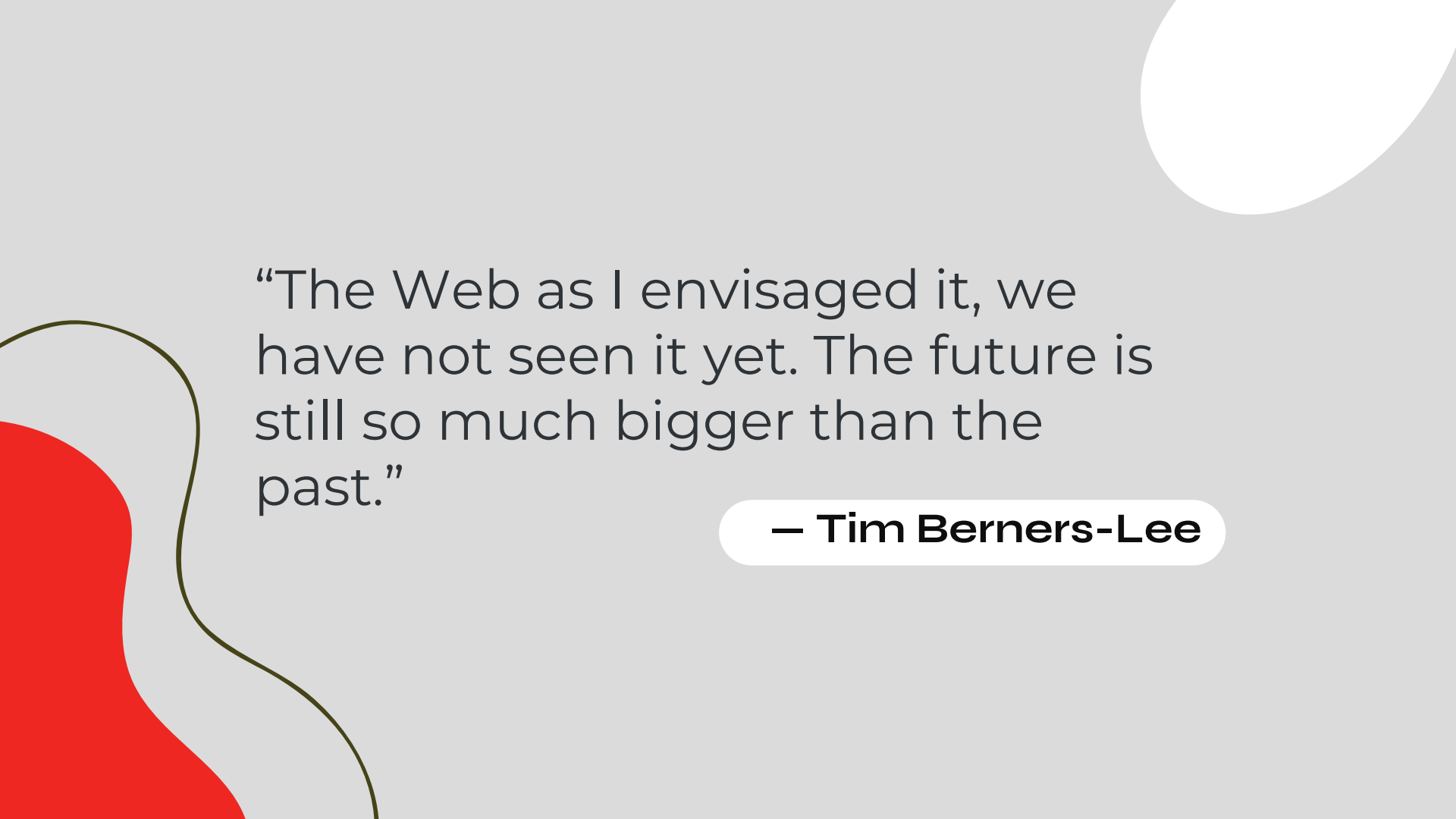
Color + Contrast

With a few more lines of code you can accommodate more of your users' **visual** needs!

03

Animation

With a few more lines of code you can accommodate more of your users' **motion** needs!



“The Web as I envisaged it, we have not seen it yet. The future is still so much bigger than the past.”

– **Tim Berners-Lee**

Thanks!



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