

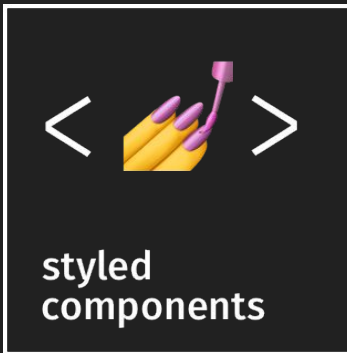
Intro to CSS in JS for React

What is CSS in JS?

- Allows CSS modularity
 - Abstracts CSS to the component level, rather than the document level
- Allows components to be truly self-containing
- Aids in avoiding CSS cascading/inheritance issues
- Allows you to still harness the full power of CSS

What is Styled-Components?

- A CSS in JS library created in 2017
- One of the most popular libraries available for CSS in JS
- Works with both React and React Native
- From their documentation:
 - “Utilizing tagged template literals (a recent addition to JavaScript) and the power of CSS, styled-components allows you to write actual CSS code to style your components. It also removes the mapping between components and styles – using components as a low-level styling construct could not be easier!”



What Does Styled-Components Look Like?

```
const Title = styled.h2`  
  color: gray;  
  margin: 20px;  
  font-family: georgia;  
  font-size: 40px;  
`;  
;
```

*<Title>*This is CSS in JS with Styled Components*</Title>*

Why Not Just Use Inline CSS?

- Inline CSS does not support the full power of CSS such as pseudo selectors, media queries, and keyframes
- You need to use JS style object properties (backgroundColor instead of background-color)

```
const h2Style = {  
  color: 'black',  
  margin: '20px',  
  fontSize: '40px'  
}
```

```
<h2 style={h2Style}>This is Inline CSS</h2>
```

How Do You Use Styled-Components?

Basic Demo Project: <https://github.com/annaelizabeth23/css-in-js-demo>

Documentation: <https://www.styled-components.com/docs/basics>

Other Features of Styled-Components

- The behavior/appearance of a styled-component can be customized based off of props
- Themes can be created easily
- Media templates can be created to make repeated media queries easier

Caveats to Styled-Components

- Still a new library, so long term support is still to be determined
- Adds more dependencies to your project
- Potentially more difficult for new developers to adapt to the code base