



**styled-components**

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<https://www.styled-components.com>

**Дано: Кнопка, имеет 4 состояния по 3 значения**

› **Композиция:**  $3 * 4 = 12$  вариаций стилей (классов)

› **Комбинация:**  $3 ** 4 = 81$  вариаций стилей (классов)

```
render(  
  <div>  
    <Button>Normal</Button>
```

Normal




```

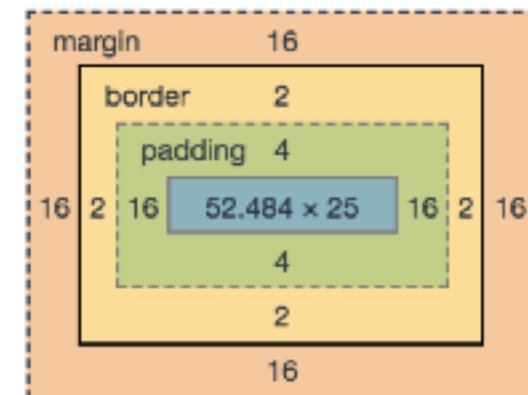
    <div>
      ...
      <button class="sc-jhAzac kkdL0Q">Normal</button> == $0
      <button class="sc-jhAzac gmt0B0">Primary</button>
    </div>
  </div>
</div>
</div>
</pre>
</div>

```

[Styles](#)
[Event Listeners](#)
[DOM Breakpoints](#)
[Properties](#)
[Accessibility](#)

```
:hov .cls +
```

```
.kkdLOQ {
  color: palevioletred;
  font-size: 1em;
  background: white;
  margin: 1em;
  padding: 0.25em 1em;
  border-width: 2px;
  border-style: solid;
  border-color: palevioletred;
  border-image: initial;
  border-radius: 3px;
}
```



Filter ☐ Show all

```
► align-items flex-s...
```

```
const Button = styled.button`
  /* Adapt the colors based on primary prop */
  background: ${props => props.primary ? "palevioletred"
: "white"};

  color: ${props => props.primary ? "white" :
"palevioletred"};

  font-size: 1em;
  margin: 1em;
  padding: 0.25em 1em;
  border: 2px solid palevioletred;
  border-radius: 3px;
`;

render(
  <div>
    <Button>Normal</Button>
```

Normal

Primary

button.sc-jhAzac.gmt0B0 | 91.55 × 37

```

    <div>
      <button class="sc-jhAzac kkdLOQ">Normal</button>
    ...
      <button class="sc-jhAzac gmt0B0">Primary</button> == $0
    </div>
  </div>
</pre>

```

html body div #\_\_next div div div div pre div div div div button.sc-jhAzac.gmt0B0

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls +

element.style { }

.gmt0B0 {

color: white;

font-size: 1em;

background: palevioletred;

margin: 1em;

padding: 0.25em 1em;

border-width: 2px;

border-style: solid;

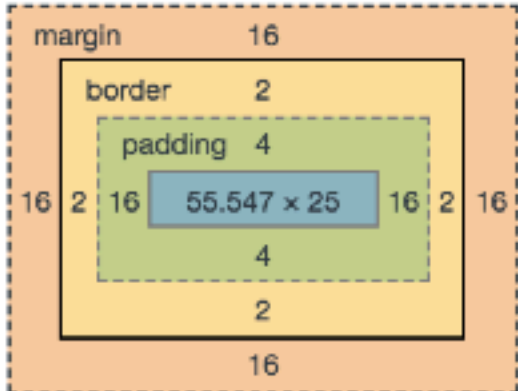
border-color: palevioletred;

border-image: initial;

border-radius: 3px;

}

<style>...</style>



The diagram illustrates the box model for the button element. It shows a central content area (blue) with dimensions 55.547 × 25. This is surrounded by a padding area (green) with dimensions 4 × 4. The padding is further enclosed by a border (yellow) with a width of 2px. The entire button is surrounded by a margin (orange) with dimensions 16 × 16. The total dimensions of the button including margin are 91.55 × 37.

margin 16

border 2

padding 4

55.547 × 25

4

2

16

Filter ☐ Show all

align-items flex-s...



› Комбинация:  $3^{**}4 = 81$  вариаций стилей (классов)

› **Композиция:  $3 * 4 = 12$  вариаций стилей (классов)**



Сборка

**Примущества**



**специфичност**



# Critical CSS



Темизация, переопределение стилей\*



Runtime стили





# Семантика



**П р о г в о ж д е н и я**



# Developer Experience



**Универсальность**

**Недодостатки**



**Комбинация против позиции**



**Эффективность, производительность**

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