







Если...



```
@media (prefers-color-scheme: dark) {
```

Найди ➔ html {

```
    color-scheme: dark;
```

```
}
```

```
}
```



Примени

Найди = Селектор

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Selectors Level 4

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▼ More details about this document

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Feedback:

[CSSWG Issues Repository](#)

[Inline In Spec](#)

Editors:

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[Tab Atkins Jr.](#) (Google)

Поехали



Разрешённые символы

- › A-Z , a-z
- › 0-9
- › -
- › _
- › U+00A0 () и выше
- › \escaped
- › не начинается с [0-9] или -[0-9]

Нет доступа
к разметке 😢

Простые примеры

```
<style>
@scope {
    .tomato {
        color: tomato;
    }

    .Blue {
        color: hotpink;
    }

    .blue {
        color: dodgerblue;
    }
}

</style>
<p class="tomato">class = tomato</p>
<p class="Blue">class = Blue</p>
<p class="blue">class = blue</p>
```

class = tomato

class = Blue

class = blue

```
<style>
@scope {
  .🍅 {
    color: tomato;
  }

  .lime {
    color: lime;
  }

  .orange {
    color: orange;
  }
}

</style>
<p class="🍅">class = 🍅</p>
<p class="lime">class = lime</p>
<p class="orange">class = orange</p>
```

class = 🍅

class = 🍋

class = 🍊

```
<div class="Pos(a) Bgc(#0280ae) W(120px) H(90px)"></div>
<div class="C(#0280ae) BdB Bdc(#0280ae) P(10px)">
    Lorem ipsum
</div>
```



Специфичность

Specificity: (0,1,1)

```
.terminal p { style.css?v=0.0.0:300
  ✓ margin: ▷ 0;
  ✓ font-family: 'Fira Code', "PT Sans", sans-
    serif;
}
+
.slide p { basic.css:14
  margin_top: 0;
  margin_bottom: 1em;
```

```
285 <element class="terminal" ::after> if;  
286  
287 Selector Specificity: (0, 1, 1)  
288 .terminal::after {  
289     content: "";  
290     position: absolute;  
291     top: -18px;
```



@bramus/specificity

```
~$ npm i @bramus/specificity
~$ specificity "header:where(#top) nav li, #doormat"
(0,1,3)
(1,0,0)
```

Сортировка



- › (10, 1, 2)
- › (0, 10, 2)
- › (0, 2, 10)
- › (0, 1, 10)
- › (0, 1, 1)
- › (0, 0, 0)



(255, 255, 255)

 (1023, 1023, 1023)

База



#id

(1, 0, 0)

.class

(0, 1, 0)

div

(0, 0, 1)



(0, 0, 0)

[attr]

(0, 1, 0)

```
<style>
@scope {
    [data-color="tomato"] {
        color: tomato;
        text-decoration: underline
    }
}
</style>
<p data-color="tomato">
    tomato
</p>
<p data-color="tomatoes">
    tomatoes
</p>
<p data-color="tomato tomato">
    tomato tomato
</p>
```

tomato

tomatoes

tomato tomato

[a=v]

```
<style>
@scope {
    [data-color~="tomato"] {
        color: tomato;
        text-decoration: underline
    }
}
</style>
<p data-color="tomato">
    tomato
</p>
<p data-color="tomatoes">
    tomatoes
</p>
<p data-color="has tomato">
    has tomato
</p>
```

tomato

tomatoes

has tomato

[a~=v]

```
<style>
@scope {
    [data-color|="tomato"] {
        color: tomato;
        text-decoration: underline
    }
}
</style>
<p data-color="tomato">
    tomato
</p>
<p data-color="tomato-test">
    tomato-test
</p>
<p data-color="tomato tomato">
    tomato tomato
</p>
```

tomato

tomato-test

tomato tomato

[a |=v]

```
<style>
@scope {
    [data-color^="tomato"] {
        color: tomato;
        text-decoration: underline
    }
}
</style>
<p data-color="tomato">
    tomato
</p>
<p data-color="tomatoes">
    tomatoes
</p>
<p data-color="no tomato">
    no tomato
</p>
```

tomato

tomatoes

no tomato

[a^{^=v}]

```
<style>
@scope {
    [data-color$="tomato"] {
        color: tomato;
        text-decoration: underline
    }
}
</style>
<p data-color="tomato">
    tomato
</p>
<p data-color="tomatoes">
    tomatoes
</p>
<p data-color="no tomato">
    no tomato
</p>
```

tomato

tomatoes

no tomato

[a\$=v]

```
<style>
@scope {
    [data-color*="tomato"] {
        color: tomato;
        text-decoration: underline
    }
}
</style>
<p data-color="tomato">
    tomato
</p>
<p data-color="unotomatoes">
    unotomatoes
</p>
<p data-color="tomat">
    tomat
</p>
```

tomato

unotomatoes

tomat

[a*=v]

```
<style>
@scope {
    [data-color="tomato"] i {
        color: tomato;
        text-decoration: underline
    }
}
</style>
<p data-color="tomato">
    tomato
</p>
<p data-color="ToMaTo">
    ToMaTo
</p>
```

tomato

ToMaTo

[a=v i]

```
<style>
@scope {
    [data-color="tomato" s] {
        color: tomato;
        text-decoration: underline
    }
}
</style>
<p data-color="tomato">
    tomato
</p>
<p data-color="ToMaTo">
    ToMaTo
</p>
<p>Firefox only ;)</p>
```

tomato

ToMaTo

Firefox only ;)

[a=v s]

[id=some]

(0, 1, 0)

[class~=some]

(0, 1, 0)

Комбинаторы



.parent .child

,

```
<style>
@scope {
    .orange {
        color: orange;
    }

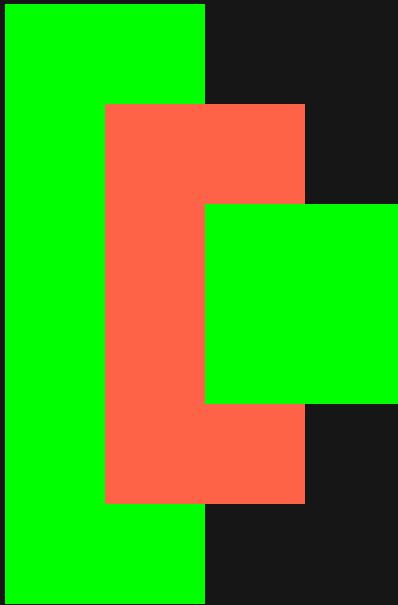
    .pink,
    [class==pink] {
        color: pink !important;
    }
}
</style>
<p class="orange pink">
    orange or pink
</p>
```

orange or pink

.parent > .child

```
<style>
@scope {
    div {
        background-color: lime;
        padding: 50px;
        width: 0;
    }

    .parent > .child {
        background-color: tomato;
    }
}
</style>
<div class="parent">
    <div class="child">
        <div class="child"></div>
    </div>
</div>
```



.child + .child

vs

.child ~ .child

```
<style>
@scope {
    .one ~ .another {
        background-color: tomato;
    }

    .parent > * {
        background-color: grey;
        padding: 25px;
        border: 2px solid black;
    }
}

</style>
<div class="parent">
    <div class="one">1st child</div>
    <div class="another">2nd child</div>
    <div class="another">3rd child</div>
    <div class="another-one">4th child</div>
    <div class="another">5th child</div>
</div>
```

1st child

2nd child

3rd child

4th child

5th child

CSS Nesting

```
.parent {  
    color: tomato;  
  
.child {  
    color: violet;  
  
    &:hover {  
        color: violetblue;  
    }  
}  
}
```


Native CSS Nesting



```
<li class="nav__item">  
    <a href="#">Home</a>  
</li>
```

```
.nav__item {  
    & a {  
        display: block;  
        padding: 1.5rem 1rem;  
    }  
}
```

::псевдоэлементы

::before

vs

:before

Совместимость с CSS Level 1/2

- › :before
- › :after
- › :first-line
- › :first-letter

Можно изучить самостоятельно



- › ::before
- › ::after
- › ::first-letter
- › ::first-line
- › ::backdrop
- › ::placeholder

```
span::before {  
    content: " ⓘ" / "Дополнительная информация:";  
}
```

::marker

```
<style>
@scope {
    ul li::marker {
        content: '🍏';
        font-size: 1.5em;
    }

    ul li::before {
        content: '' !important;
    }
}
</style>
<ul>
    <li>Белый налив</li>
    <li>Гала</li>
    <li>Антоновка</li>
</ul>
```



Белый налив



Гала



Антоновка



Safari — только цвет и размер шрифта

: : cue

```
<video src="video.mp4">
    <track default kind="captions" srclang="en" src="en.vtt">
</video>
<style>
    video {
        width: 100%;
    }

    video::cue {
        font-size: 1rem;
        color: yellow;
    }

```

::selection

```
<style>
@scope {
    .different::selection {
        color: #ffd139;
        background: #ff4141;
    }

    .another::selection {
        color: #ff4141;
        background: #ffd139;
    }
}

</style>
<p> Стандартные цвета</p>
<p class="different">
    Lorem ipsum, dolor sit amet con-
    Voluptatibus minus ut odit null
</p>
<p class="another">А тут другие цве
```

Стандартные цвета

Lorem ipsum, dolor sit amet
consectetur adipisicing elit.
Voluptatibus minus ut odit nulla esse
deleniti.

А тут другие цвета, хоба!

::grammar-error,

::spelling-error

```
<style>
@scope {
    .color::spelling-error,
    .color::grammar-error {
        color: #ff9191;
        text-decoration: underline
    }
}
</style>
<p contenteditable
    spellcheck="true"
    lang="en">
    Lorem ipsum, dolor sit amet
</p>
<p contenteditable
    spellcheck="true"
    lang="en"
    class="color">
    Voluptatibus minus ut odit nulla esse
    Nobis corrupti quod unde error

```

Lorem ipsum, dolor sit amet
consectetur adipisicing elit.

Voluptatibus minus ut odit nulla esse
deleniti. Nobis corrupti quod unde
error officia amet laborum
voluptatem consectetur natus
earum. Doloremque, itaque rem.

Съешь ещё этих мягких
французских булок да выпий чаю.



Не работает
в Firefox

Группа

`::view-transition`

```
::view-transition
  ↘ ::view-transition-group(root)
    ↘ ::view-transition-image-pair(root)
      ↗ ::view-transition-old(root)
    ↘ ::view-transition-new(root)
```



Без библиотек

Peyto Lake, Canada

Two Jack Lake, Canada

Crail cottage in
Mooroolbark, Australia

::file-selector-button

```
<style>
@scope {
    input::file-selector-button {
        font-weight: bold;
        background: white;
        color: indigo;
        padding: 0.5em;
        margin-right: 1em;
        border: none;
        border-radius: 50px;
    }
}
</style>
<label for="avatar">
    Скинь фотку, а?
</label><br>
<input id="avatar"
       type="file"
       accept="image/png, image/jpe
```

Скинь фотку, а?

Выберите файл

Файл не выбран

:псевдоклассы

Можно изучить самостоятельно



- › :root
- › :visited
- › :focus
- › :hover
- › :disabled
- › :optional
- › :picture-in-picture
- › :link
- › :any-link
- › :active
- › :placeholder-shown
- › :enabled
- › :required

:focus-visible

```
.button:focus {  
    outline: none;  
}  
  
.button:focus-visible {  
    border: 2px solid #FFFFFF;  
  
    outline: none;
```

```
<style>
@scope {
    button {
        font-size: 1.5em;
        padding: 0.5em;
        background: lightblue;
        border-radius: 1.5em;
    }

    button:focus {
        outline: none;
    }

    button:focus-visible {
        border-color: red;
        outline: 0.1em solid red;
    }
}

</style>
<button>Нажми на меня</button>
```

Нажми на меня

:focus-within

```
<style>
@scope {
    .focus {
        display: flex;
        flex-direction: column;
        gap: 6px;
        border: 1px dashed tomato;
    }
    .focus:focus-within {
        border: 1px solid lime;
    }
}
</style>
```

```
<form style="border: 1px dashed tom
    <input type="text" placeholder=
</form>
```

```
<form class="focus" style="padding:
    <input type="text" placeholder=
```

Я просто поле ввода

Я могу менять стили

дд.мм.гггг

Я могу менять стили

■ Я чекбокс и тоже меняю форму

А я кнопка

:target

```
<a href="#target">К цели!</a>
```

```
<div id="target">А вот и я!</div>
```

```
<style>
@scope {
  :target {
    border: 2px solid darkorange;
    background-color: beige;
    color: tomato;
  }
}
</style>
```

```
<p><a href="#target1">К цели №1</a>
<p><a href="#target2">К цели №2</a>

<p id="target1"><b>Цель 1: пожевать
<p id="target2"><b>Цель 2: ну, вы поняли...
```

К цели №1

К цели №2

Цель 1: пожевать жевачку

Цель 2: ну, вы поняли...



:target-within

:checked,
:indeterminate

```
<style>
@scope {
    input:checked {
        accent-color: tomato;
    }
    :indeterminate {
        height: 20px;
        accent-color: lime;
    }
}
</style>
```

```
<progress></progress>
<div>
    <input type="checkbox" id="check">
    <label for="checkbox">Я выбран<
</div>
<div>
    <input type="checkbox" id="indeterminate">
    <label for="indeterminate">А я
```

Я выбран

А я не определился

:in-range,
:out-of-range

```
<style>
@scope {
    input {
        font-size: inherit;
        color-scheme: dark;
    }
    input:in-range {
        border: 3px solid lime;
    }
    input:out-of-range {
        border: 3px dashed tomato;
    }
}
</style>
```

```
<div>
    <label for="demo-number">Перебор
    <input type="number" id="demo-n
</div>
<div>
```

Перебор [15]
В самый раз [5]

:read-only,
:read-write

```
<style>
@scope {
    div {
        padding: 0.5em 1em;
        border-radius: 1em;
    }
    div:read-write {
        background: #333;
    }
    div:read-only {
        color: tomato;
    }
}
</style>
```

```
<div>
    Меня нельзя отредактировать
</div>
<div contenteditable>
    А меня можно
</div>
```

Меня нельзя отредактировать

А меня можно

Валидация



- › :invalid
- › :valid
- › :user-invalid
- › :user-valid

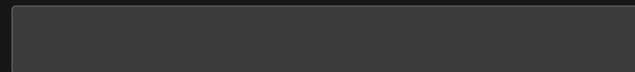
```
<style>
@scope {
    input {
        font-size: inherit;
        color-scheme: dark;
    }
    #demo-email:invalid {
        border: 2px solid red;
    }
    #demo-email-ok:invalid {
        border: 2px solid red;
    }
}
</style>
```

```
<div>
    <label for="demo-email">Бесючий
    <input type="email" id="demo-em
</div>
<div>
```

Бесючий email



Email поспокойнє





:invalid

:user-invalid

:empty

```
div:empty {  
    outline: 2px solid deeppink;  
    background: deeppink;  
    height: 1em;  
}
```

Not into component frameworks?

Use Tailwind's `@apply` directive to extract repeated utility patterns into custom CSS classes just by copying and pasting the list of class names.

[Learn more >](#)

Weekly one-on-one

Thu Nov 15, 2020 10:00am - 11:00am EST

Location Kitchener, ON

Description *No meeting description*

Attendees Andrew McDonald

Decline

Accept

styles.css

```

1 .btn {
2   @apply text-base font-medium rounded-lg p-3;
3 }
4
5 .btn--primary {
6   @apply bg-sky-500 text-white;
7 }
8
9
10 .btn--secondary {
11   @apply bg-slate-100 text-slate-900;
12 }
```

index.html

```

31   </dd>
32   </div>
33 </dl>
34 <footer class="grid grid-cols-2 gap-x-6">
35   <button class="btn btn--secondary">Decline</button>
```

:default

```
<style>
@scope {
    input:default {
        accent-color: lime;
    }
    input:default + label {
        color: lime;
    }
}
</style>
```

```
<form>
    <div>
        <input type="radio" name="d
        <label for="demo-default-ch
    </div>
    <div>
        <input type="radio" name="d
        <label for="demo-default">A
    </div>
```

● Я был выбран сразу

● А я не был

:autofill

```
input:-internal-autofill-selected {  
    appearance: menulist-button;  
    background-image: none !important;  
    background-color: light-dark(  
        rgb(255, 235, 153),  
        rgba(70, 90, 126, 0.4)  
    ) !important;  
    color: fieldtext !important;  
}
```



Safari и мультимедиа

- › :buffering
- › :muted
- › :paused
- › :playing
- › :seeking
- › :stalled
- › :volume-locked

:defined

```
<style>
@scope {
  :not(:defined) {
    outline: 2px solid deeppink;
    background: deeppink;
    height: 1em;
  }
}
</style>
```

```
<div>
  Я браузерный, я defined.
</div>
<some-text>
  А я непонятный. Даже не Custom
</some-text>
```

Я браузерный, я `defined`.

А я непонятный.

Даже не `Custom Element`.

: scope

```
<style>
@scope {
  :scope {
    background: orangered;
  }
}
</style>
```

```
<div>
  Я внутри изолированного<br>
  элемента, к которому<br>
  обращается @scope.
</div>
```

Я внутри изолированного
элемента, к которому
обращается @scope.

:popover-open

```
<style>
@scope {
  :popover-open {
    position: absolute;
    left: 50%;
    transform: translate(-50%);
    color: maroon;
    background-color: orange;
    font-size: 25px;
  }
}
</style>
```

```
<button popovertarget="myPopover">B
<div popover id="myPopover">Привети
```

Выпускайте Кракена!

:lang()

```
<p lang="de">Wie spät ist es?</p>
<p lang="ru">Который час?</p>
<style>
    :lang(ru) {
        font-family: SomeCyrillicFont, sans-serif;
    }
    :lang(de) {
        font-family: SomeGermanFont, sans-serif;
    }
}
```

:dir()

```
nav {  
    text-align: right;  
}  
  
nav:dir rtl {  
    text-align: left;  
}
```