

THE CASCADE: SPECIFICITY & SELECTORS PART 1



IN THIS LESSON

The Cascade

Inline styles & stylesheets

Inline styles, element, class, id

Specificity point values



THE CASCADE

The "C" in CSS



Image attribution: Howard Kang https://en.wikipedia.org/wiki/Ramona_Falls_(Oregon)



THE CASCADE

The "C" in CSS

One HTML page can have many different sources for styles: multiple external stylesheets, an internal stylesheet, inline styles, user-agent stylesheet (browser defaults), user stylesheet

CSS is meant to be flexible and support all these options

When there are rules that compete against each other, the cascading algorithm in CSS determines how to sort them and figure out which ones have higher priority



SPECIFICITY: INLINE STYLES & STYLESHEETS

CSS Specificity: a measure of a **selector**'s level of specificity; higher specificities have higher priority in the cascade

Element/type, **class** & **id** are three kinds of **selectors** - they define what HTML elements to target to apply style declarations

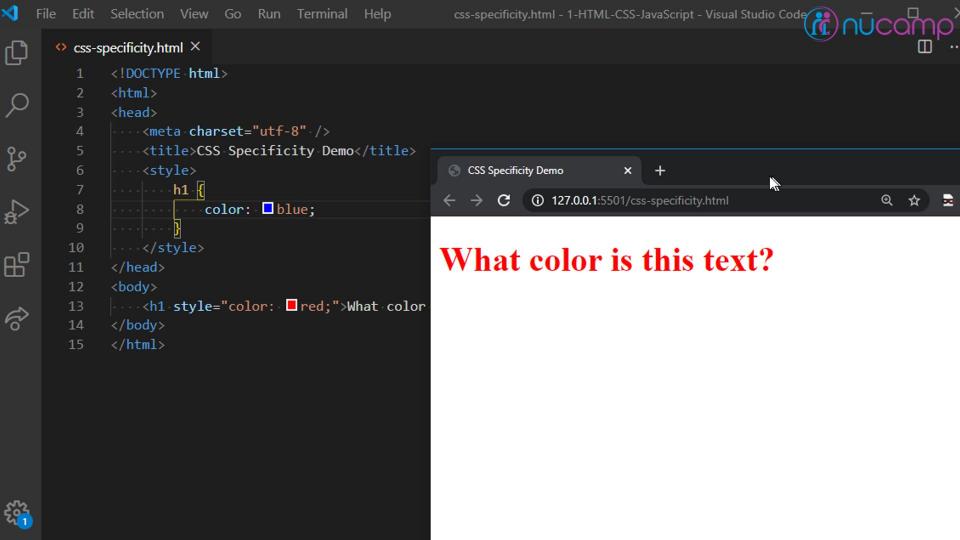
Inline styles can also be considered a kind of selector - an inline style is created directly on an element - it directly selects it

Inline styles have the highest level of specificity



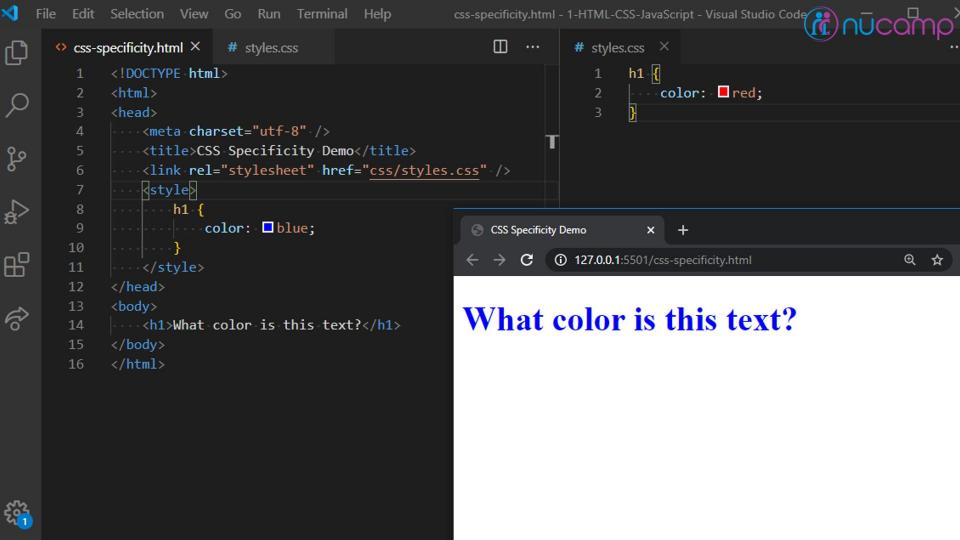
SPECIFICITY: INLINE STYLES & STYLESHEETS

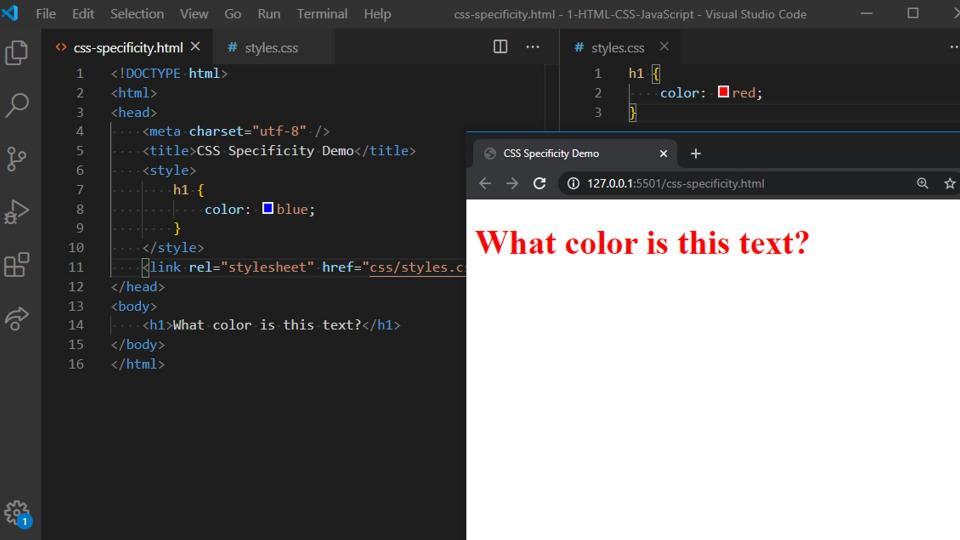
Inline style vs internal stylesheet

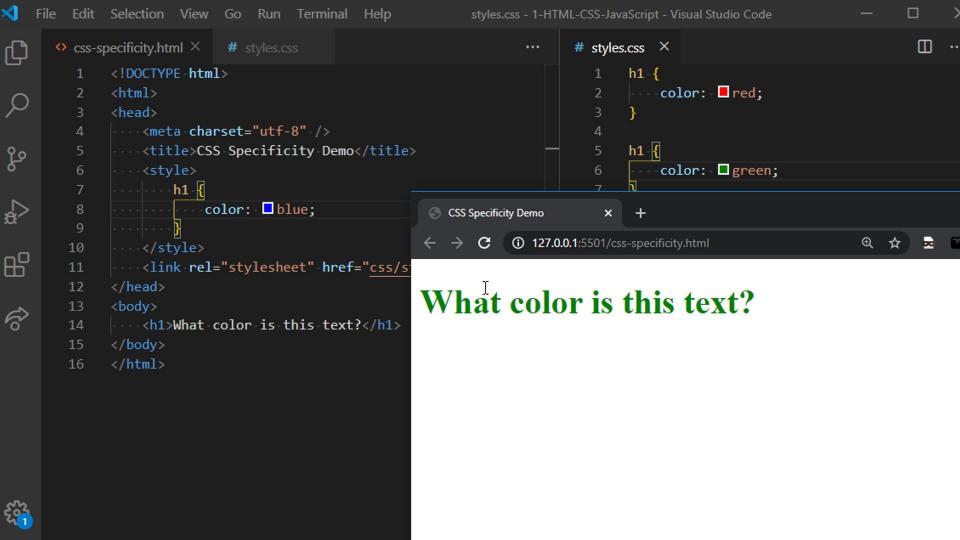


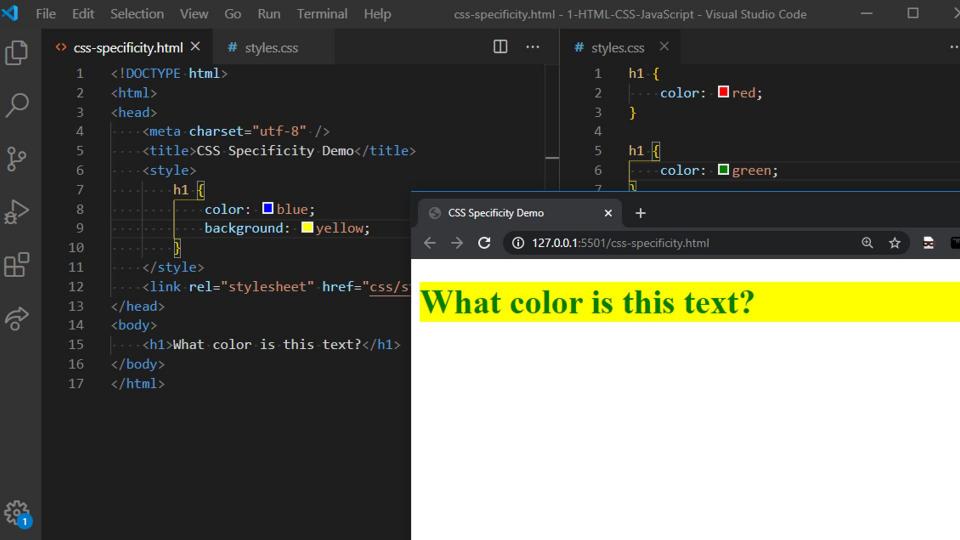


Internal vs external stylesheets

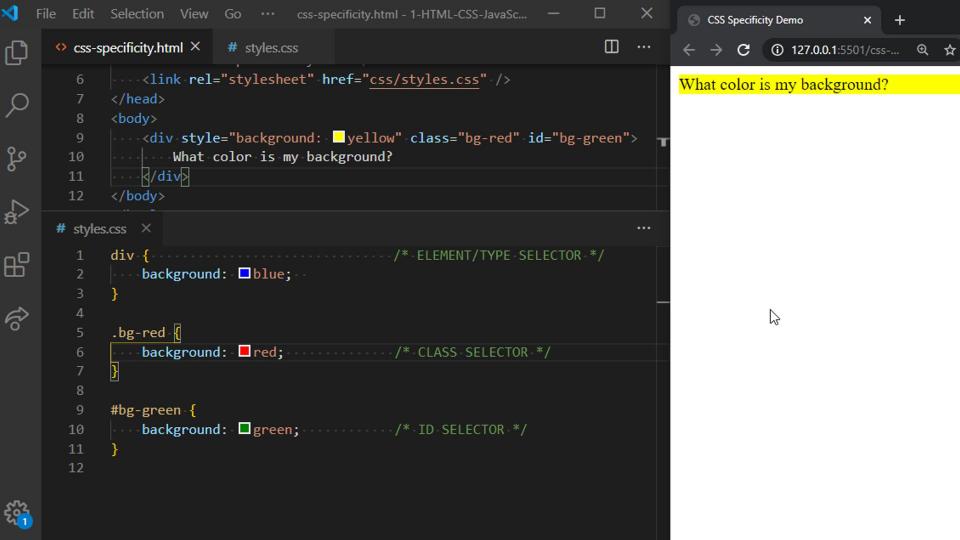


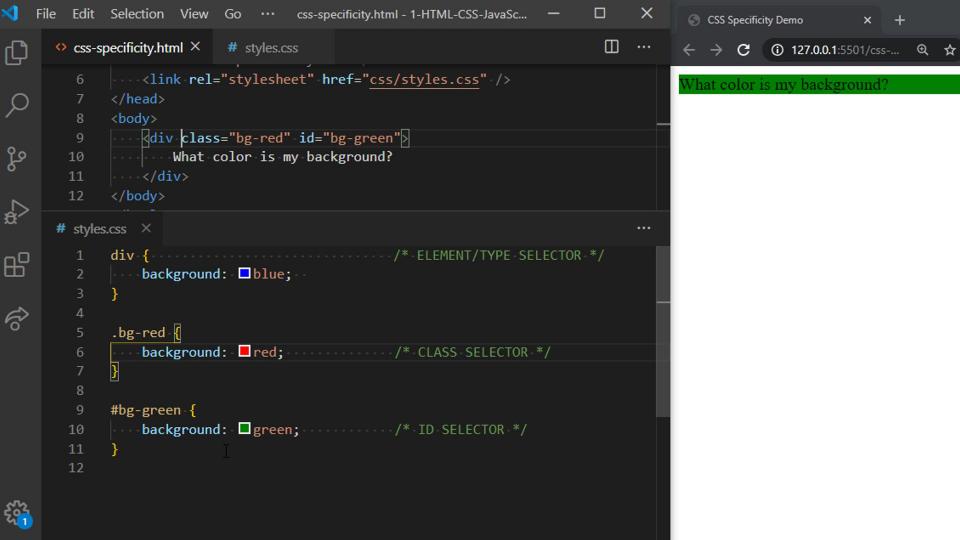


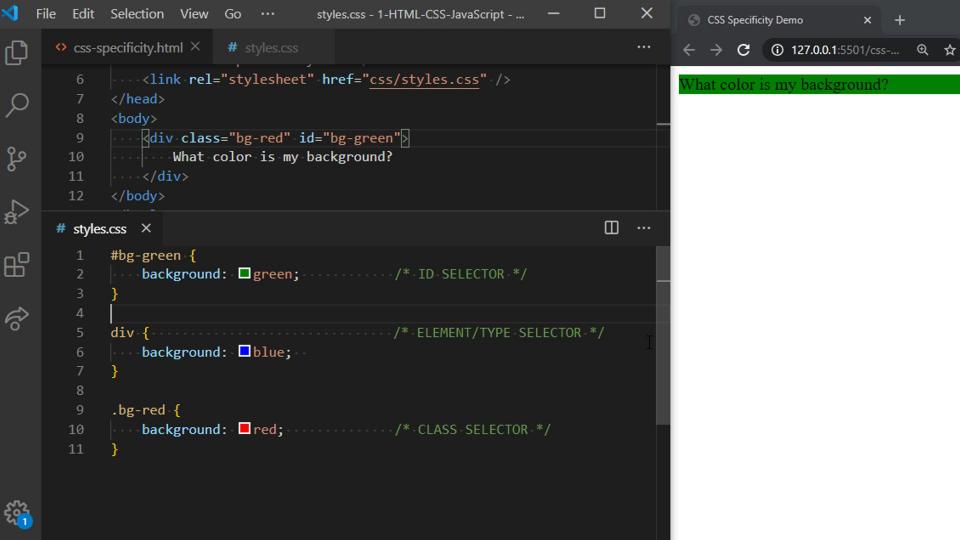


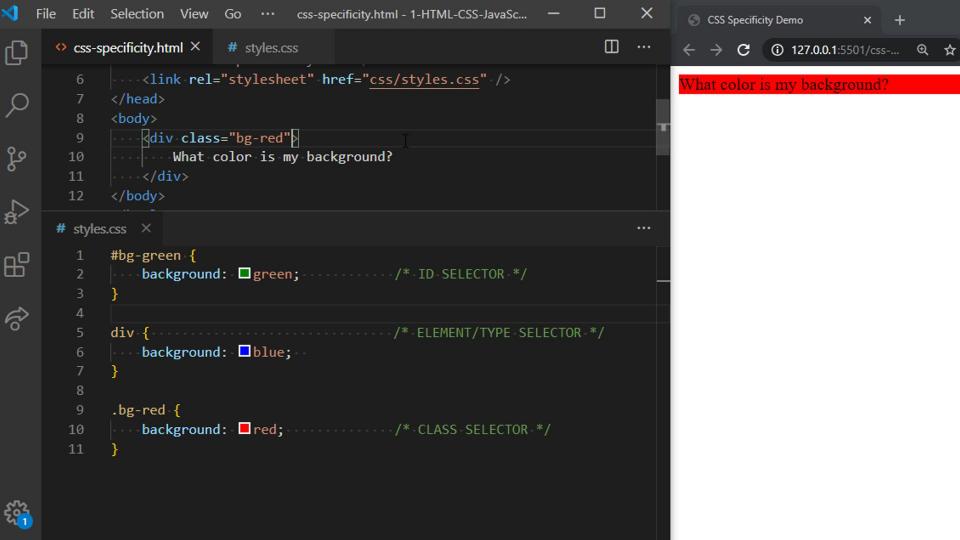


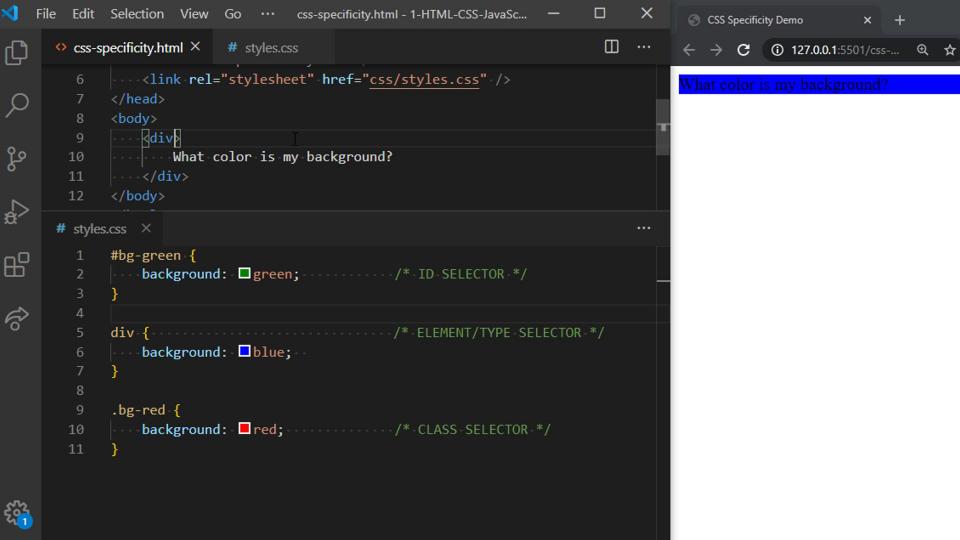
SPECIFICITY: INLINE STYLES, ELEMENT, CLASS, ID











SPECIFICITY POINT VALUES

INLINE STYLES

ID SELECTOR CLASS SELECTOR ELEMENT/ TYPE SELECTOR

1000

100

10

1

SPECIFICITY POINT VALUES

```
div {
   background: blue;
}
.bg-red {
   background: red;
}
```

```
<div class="bg-red">What
color is my background?</div>
```

