

CSS

CSS FUNDAMENTALS

SELECTORS

# Inheritance



**IN A ROCKET**

Learn front-end development at rocket speed.

# INHERITANCE

Some properties on a selector are inherited by all the children of that selector.

```
div { color: green; }
```

Hello world!

p

I've inherited the color of my parent.

# INHERITANCE

## HTML

```
<body>
<main>
Here starts the main area of this site.
  <article>
    <p>We hope you enjoy this article.</p>
  </article>
</main>
</body>
```

## CSS

```
main { color: green; }
```

## Browser



# INHERITANCE: PROPERTIES THAT INHERIT

border-collapse  
border-spacing  
caption-side  
color  
cursor  
direction  
empty-cells

font-family  
font-size  
font-style  
font-variant  
font-weight  
font-size-adjust  
font-stretch  
font  
letter-spacing  
line-height

list-style-image  
list-style-position  
list-style-type  
list-style  
  
orphans  
quotes  
tab-size  
  
text-align  
text-align-last  
text-decoration-color  
text-indent  
text-justify  
text-shadow  
text-transform

visibility  
white-space  
widows  
word-break  
word-spacing

INHERIT

INITIAL

UNSET

**INHERIT**

**INITIAL**

**UNSET**

“The **inherit** keyword causes the element for which it is specified to take the computed value of the **property from its parent** element.”



SOURCE: [Inherit by MDN](#).

# INHERITANCE: INHERIT

## HTML

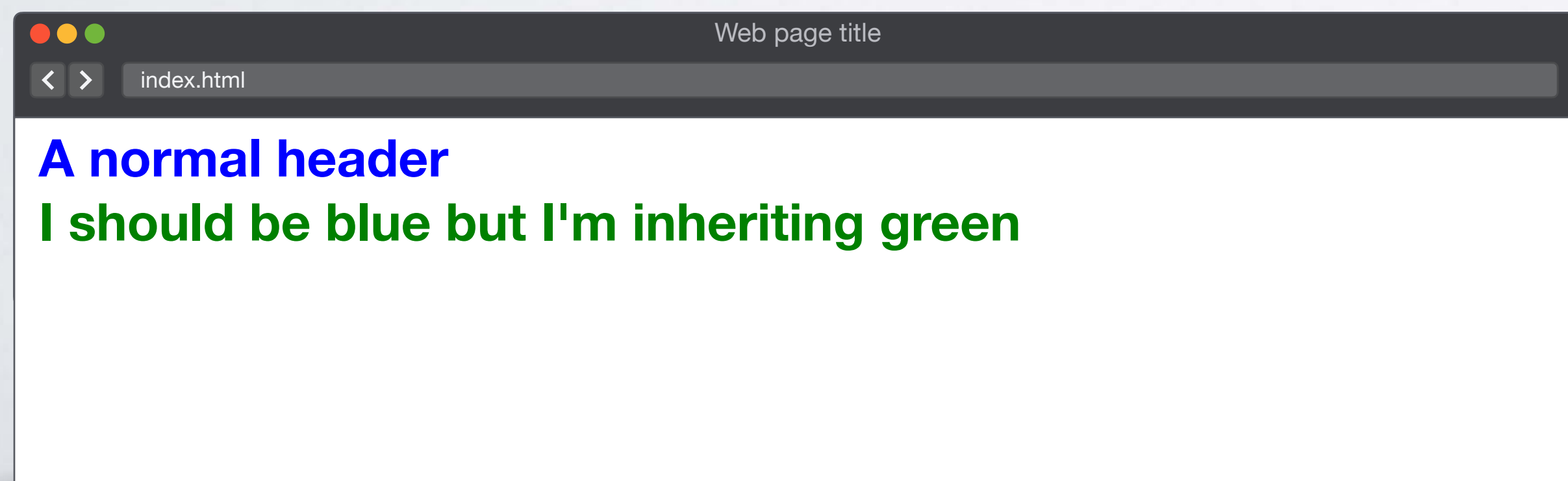
```
<body>
<h2>A normal header</h2>
<header>
  <h2>I should be blue but I'm inheriting
  green</h2>
</header>
</body>
```

## CSS

```
h2 { color: blue; }

header { color: green; }
header h2 { color: inherit; }
```

## Browser



# CONTROL INHERITANCE

**INHERIT**

**INITIAL**

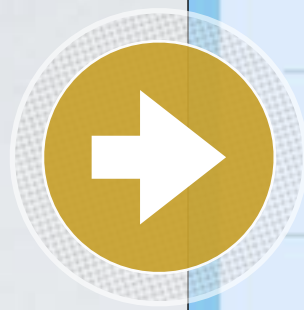
**UNSET**

“The **initial** keyword applies the initial value of a property to an element. It is allowed on every CSS property.”



SOURCE: [Initial by MDN](#).

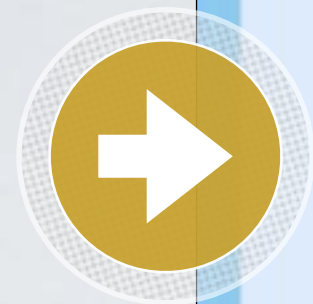
# EXAMPLE: COLOR PROPERTY



|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Name:</i>           | <b>color</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>Value:</i>          | <color>   inherit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <i>Initial:</i>        | depends on user agent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <i>Applies to:</i>     | all elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>Inherited:</i>      | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <i>Percentages:</i>    | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <i>Media:</i>          | visual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <i>Computed value:</i> | <ul style="list-style-type: none"><li>• The computed value for basic color keywords, RGB hex values and extended color keywords is the equivalent triplet of numerical RGB values, e.g. <code>#</code> six digit hex value or <code>rgb(...)</code> functional value , with an alpha value of 1.</li><li>• The computed value of the keyword '<code>transparent</code>' is the quadruplet of all zero numerical RGBA values, e.g. <code>rgba(0,0,0,0)</code> .</li><li>• For all other values, the computed value is the specified value.</li></ul> |

SOURCE: [Color by W3c](#).

# EXAMPLE: FONT-SIZE PROPERTY



|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| Name:           | <b>font-size</b>                                                                  |
| Value:          | <u>&lt;absolute-size&gt;</u>   <u>&lt;relative-size&gt;</u>   <length-percentage> |
| Initial:        | medium                                                                            |
| Applies to:     | all elements                                                                      |
| Inherited:      | yes                                                                               |
| Percentages:    | refer to parent element's font size                                               |
| Media:          | visual                                                                            |
| Computed value: | absolute length                                                                   |
| Animatable:     | as <u>length</u>                                                                  |

SOURCE: [Font-size by W3c](#).

# INHERITANCE: INITIAL

## HTML

```
<body>
<main>
<h1>Here starts the main area</h1>
  <article>
    <p>We hope you enjoy this article.</p>
  </article>
</main>
</body>
```

## CSS

```
main { color: green; }
p { color: initial; }
```

## Browser



# INHERITANCE: INITIAL + ALL

## HTML

```
<body>
<main>
Here starts the main area of this site.
  <article>
    <p>We hope you enjoy this article.</p>
  </article>
</main>
</body>
```

## CSS

```
main {
  color: green;
  font-size: 200%;
}
```

```
p { all: initial; }
```

all properties

## Browser



**INHERIT**

**INITIAL**

**UNSET**

The **unset** keyword resets a property

1. to its **inherited** value if it inherits from its parent, and
2. to its **initial** value if not.



SOURCE: [Unset by MDN](#).

# INHERITANCE: UNSET

## HTML

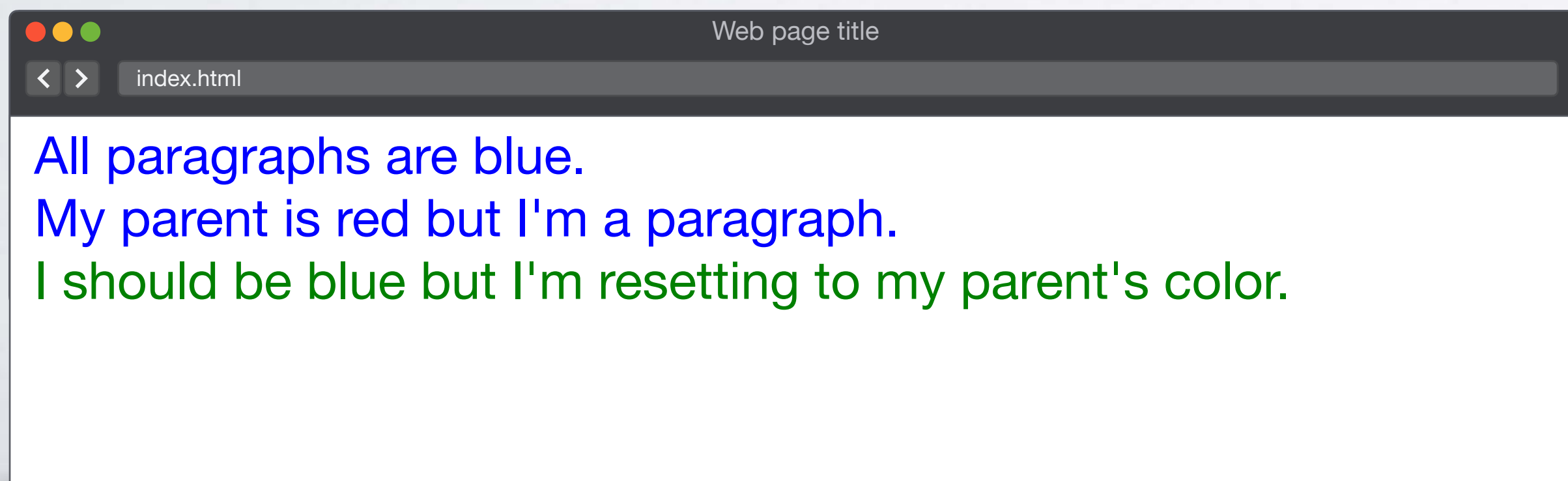
```
<body>
<p>All paragraphs are blue.</p>
<header>
  <p>My parent is red but I'm a paragraph.</p>
</header>
<main>
  <p>I should be blue but I'm resetting to my
  parent's color.</p>
</main>
</body>
```

## CSS

```
p { color: blue; }
header { color: red; }

main { color: green; }
main p { color: unset; }
```

## Browser



# INHERITANCE: UNSET

## HTML

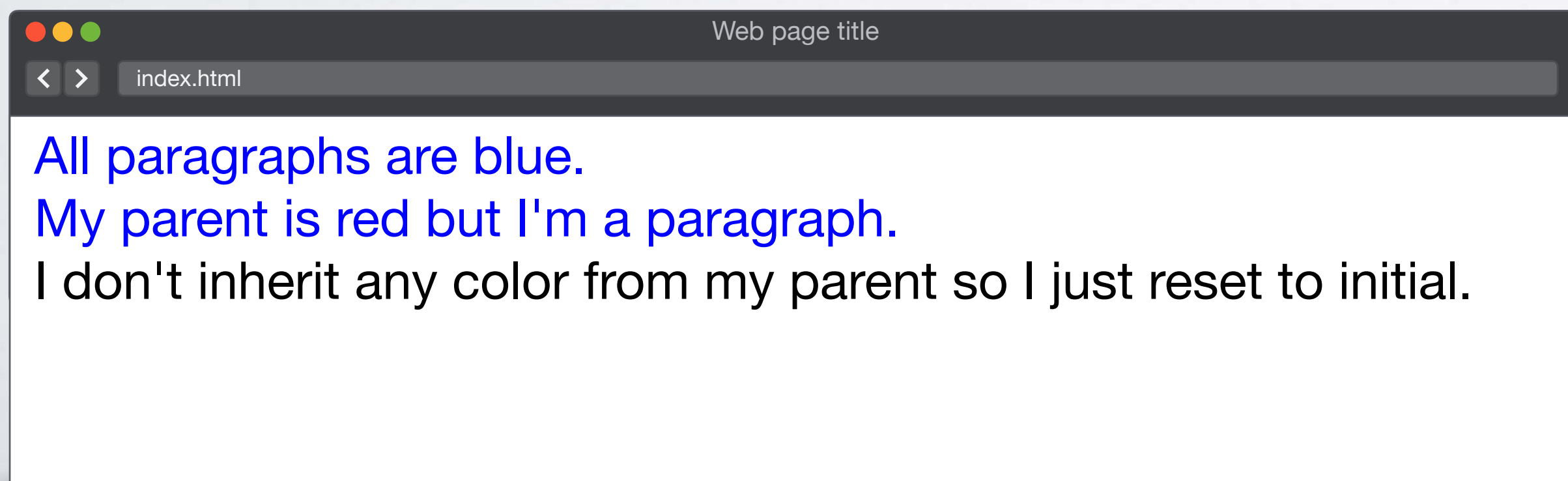
```
<body>
<p>All paragraphs are blue.</p>
<header>
  <p>My parent is red but I'm a paragraph.</p>
</header>
<main>
  <p>I don't inherit any color from my parent so I
  just reset to initial.</p>
</main>
</body>
```

## CSS

```
p { color: blue; }
header { color: red; }

main { /* No color */ }
main p { color: unset; }
```

## Browser



# CONTROL INHERITANCE

**INHERIT**



**INITIAL**



**UNSET**



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