

CSS

CSS FUNDAMENTALS

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

“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

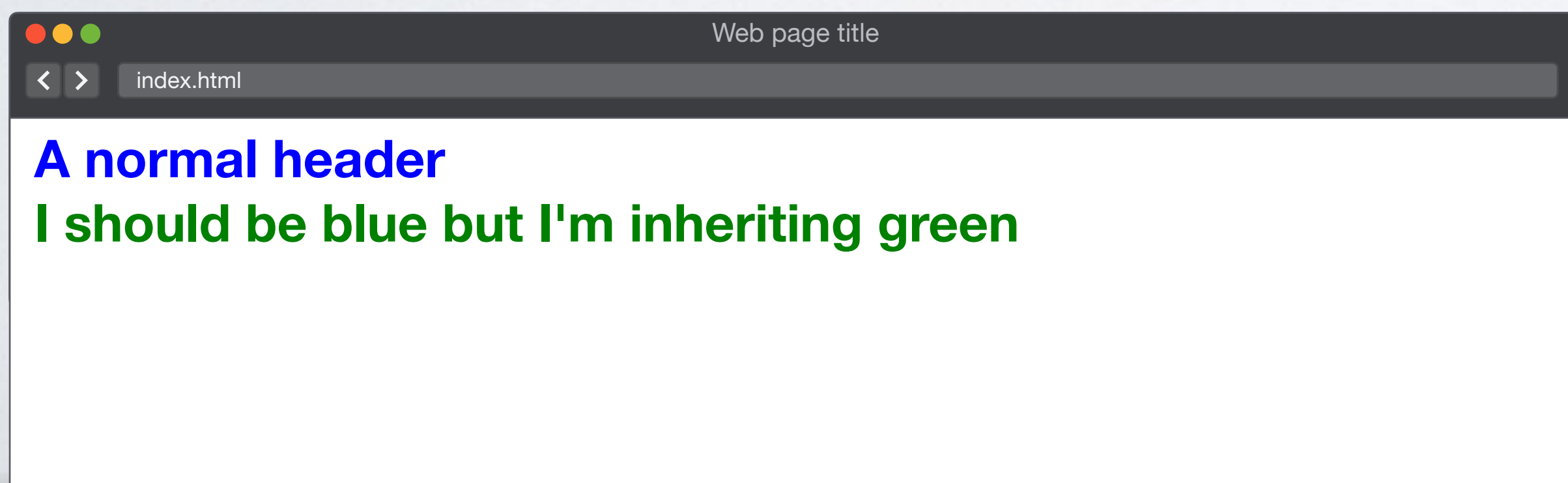
```
<body>
<h2>A normal header</h2>
<header>
  <h2>I should be blue but I'm inheriting
  green</h2>
</header>
</body>
```

CSS

```
h2 { color: blue; }

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

Browser



INHERIT

INITIAL

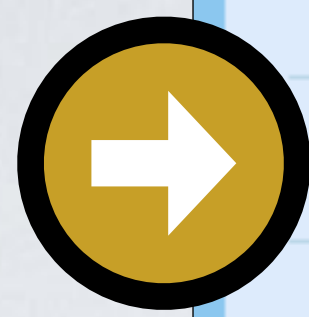
UNSET

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



SOURCE: [Initial by MDN](#).

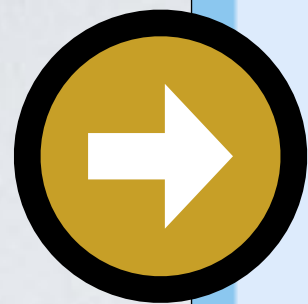
EXAMPLE: COLOR PROPERTY



<i>Name:</i>	color
<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">• 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.• 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> .• For all other values, the computed value is the specified value.

SOURCE: [Color by W3c](#).

EXAMPLE: FONT-SIZE PROPERTY



Name:	font-size
Value:	<u><absolute-size></u> <u><relative-size></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



CONTROL INHERITANCE

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

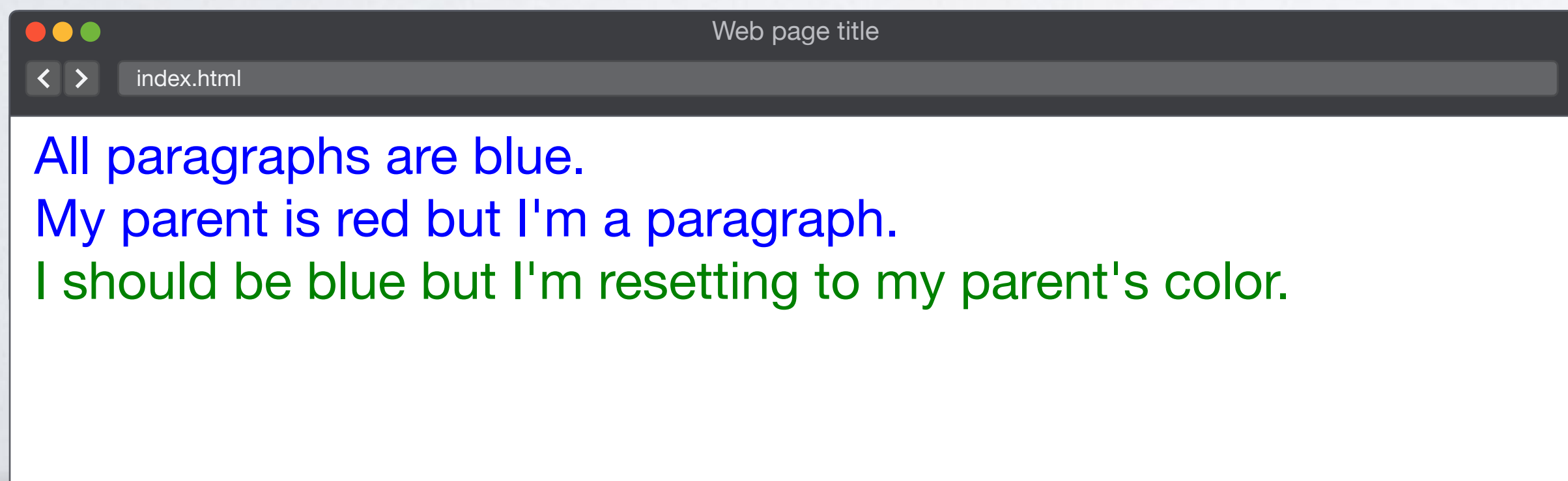
```
<body>
<p>All paragraphs are blue.</p>
<header>
  <p>My parent is red but I'm a paragraph.</p>
</header>
<main>
  <p>I should be blue but I'm resetting to my
  parent's color.</p>
</main>
</body>
```

CSS

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

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

Browser



INHERITANCE: UNSET

HTML

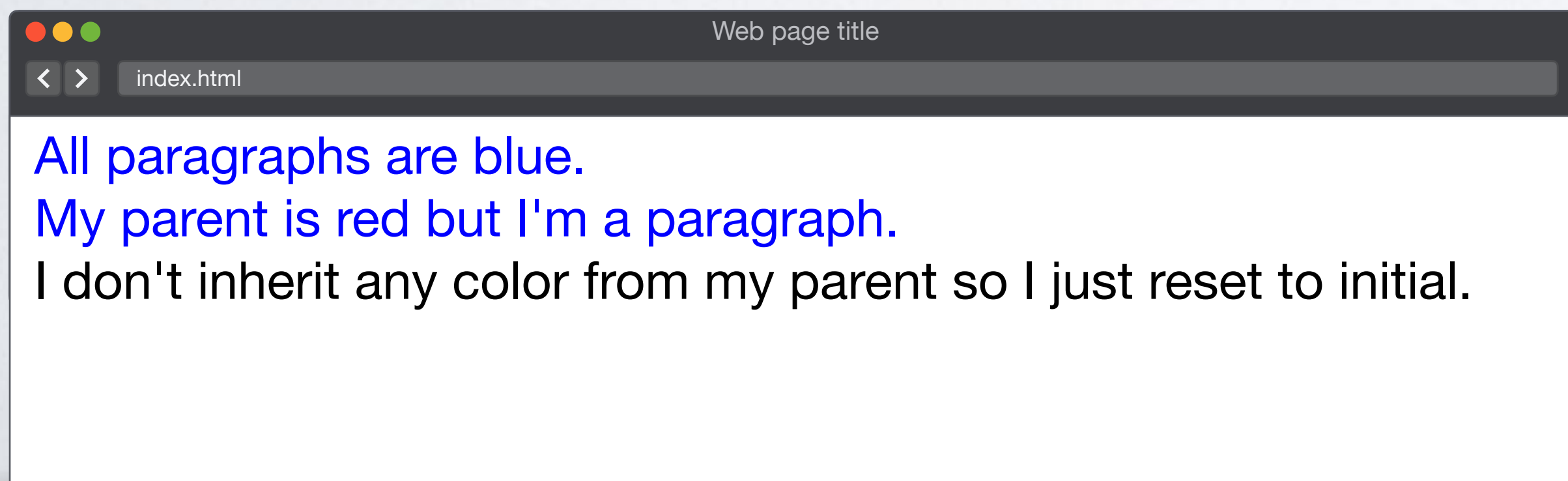
```
<body>
<p>All paragraphs are blue.</p>
<header>
  <p>My parent is red but I'm a paragraph.</p>
</header>
<main>
  <p>I don't inherit any color from my parent so I
  just reset to initial.</p>
</main>
</body>
```

CSS

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

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

Browser



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INHERIT



INITIAL



UNSET



CSS

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