

CSS

CSS FUNDAMENTALS

Inheritance



IN A ROCKET

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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

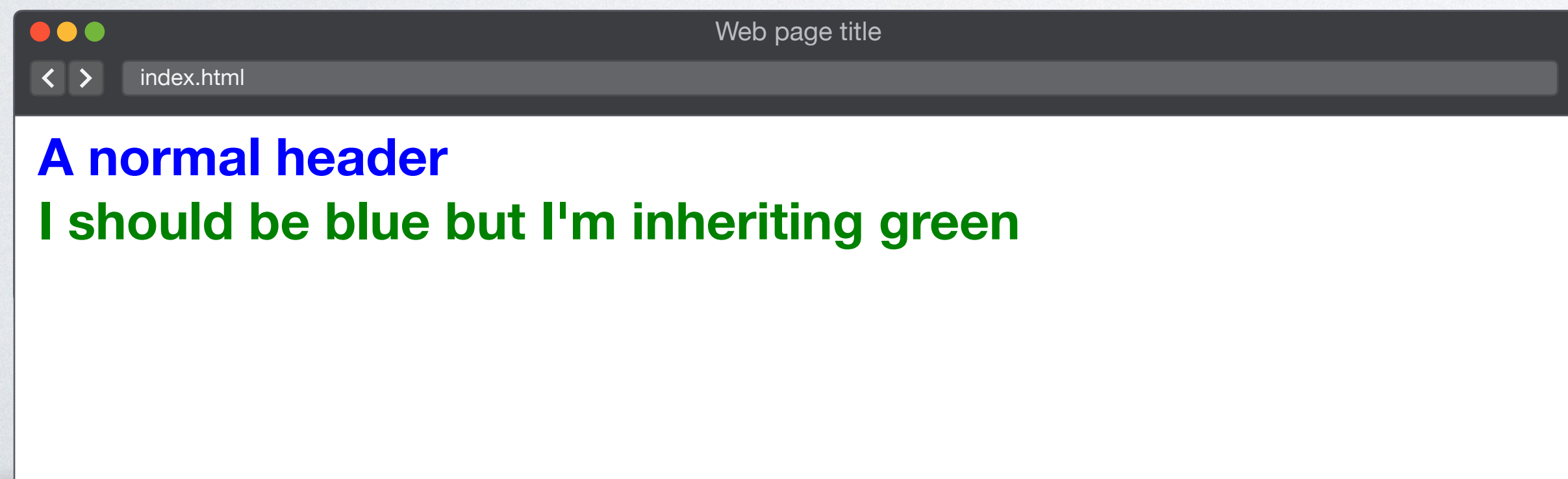
```
<body>
<h2>A normal header</h2>
<header>
  <h2>I should be blue but I'm inheriting
  green</h2>
</header>
</body>
```

CSS

```
h2 { color: blue; }

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

Browser



CONTROL INHERITANCE

INHERIT

INITIAL

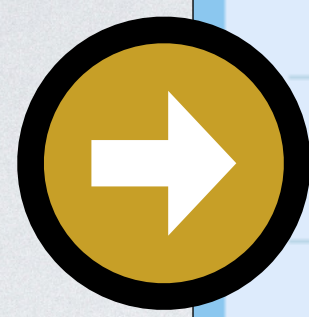
UNSET

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



SOURCE: [Initial by MDN](#).

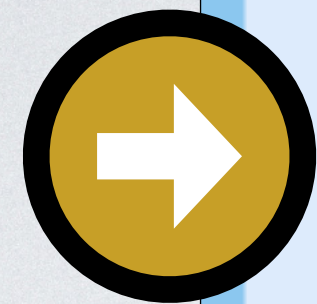
EXAMPLE: COLOR PROPERTY



<i>Name:</i>	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>	• The computed value for basic color keywords, RGB hex values and extended color keywords is the equivalent triplet of numerical RGB values, e.g. six digit hex value or rgb(...) functional value , with an alpha value of 1. • The computed value of the keyword 'transparent' is the quadruplet of all zero numerical RGBA values, e.g. rgba(0,0,0,0) . • For all other values, the computed value is the specified value.

SOURCE: [Color by W3c](#).

EXAMPLE: FONT-SIZE PROPERTY



Name:	<i>font-size</i>
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; }
```

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

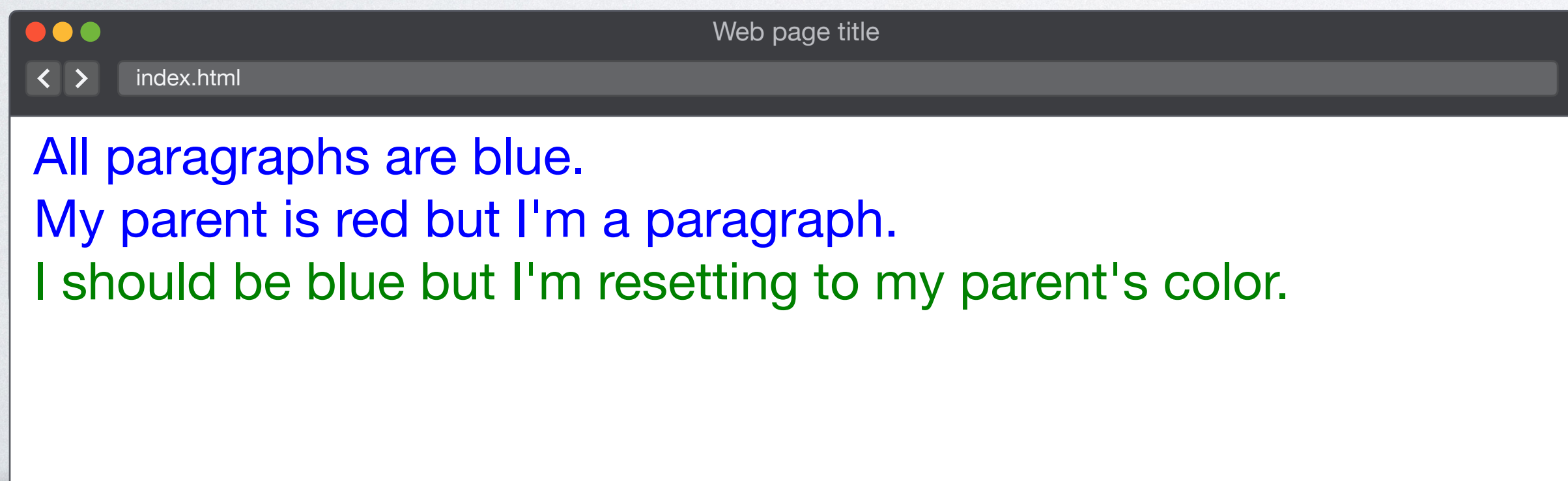
```
<body>
<p>All paragraphs are blue.</p>
<header>
  <p>My parent is red but I'm a paragraph.</p>
</header>
<main>
  <p>I should be blue but I'm resetting to my
  parent's color.</p>
</main>
</body>
```

CSS

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

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

Browser



INHERITANCE: UNSET

HTML

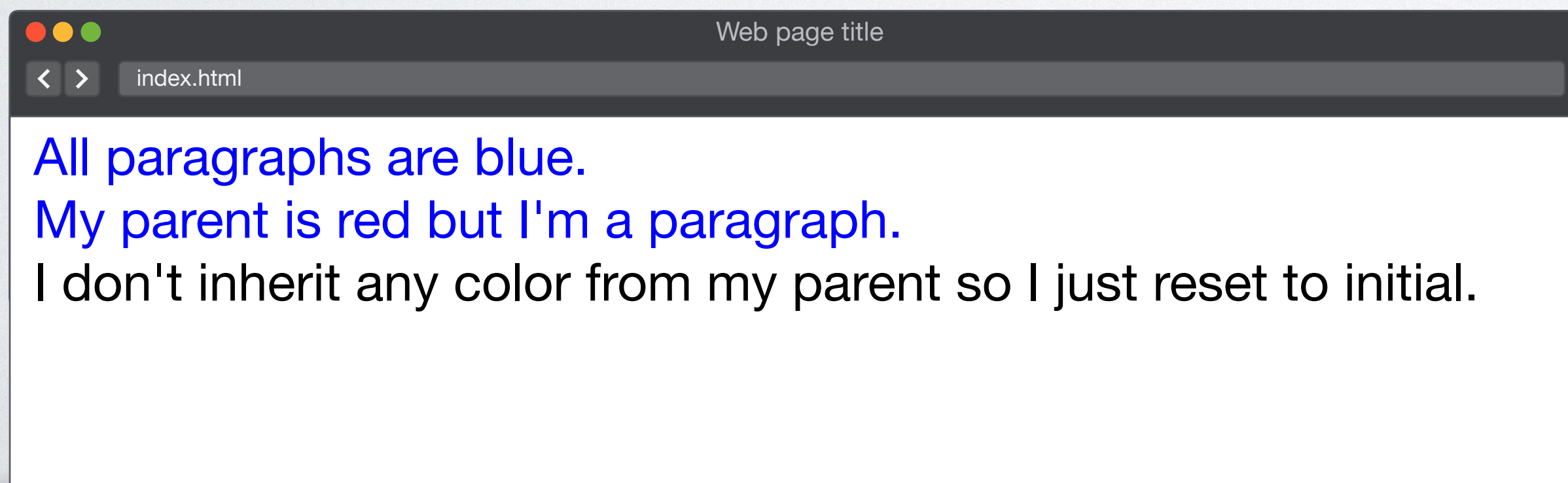
```
<body>
<p>All paragraphs are blue.</p>
<header>
  <p>My parent is red but I'm a paragraph.</p>
</header>
<main>
  <p>I don't inherit any color from my parent so I
  just reset to initial.</p>
</main>
</body>
```

CSS

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

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

Browser



CONTROL INHERITANCE

INHERIT



INITIAL



UNSET



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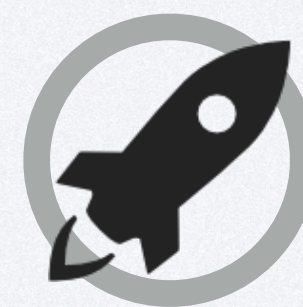
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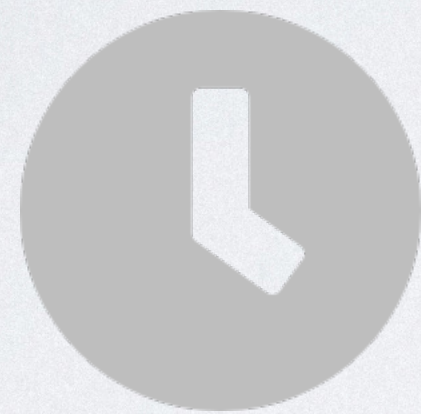
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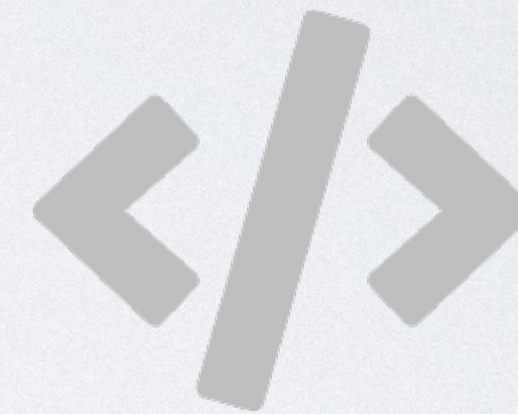
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CSS

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Inheritance



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