The background features a complex, abstract design composed of several concentric circles and arrows. The circles are rendered in white and light gray, creating a sense of depth and motion against a dark blue gradient background. Some circles have arrows pointing clockwise, while others have arrows pointing counter-clockwise, suggesting a dynamic or cyclical process.

CSS

BASICS OF CSS

PRESENTED BY STEVE LOURENCO

WHAT IS CSS?

- abbreviation for **Cascading Style Sheets**
- how elements should be rendered on screen, on paper, in speech, or on other media

WHY USE CSS?

- CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.
- CSS Solved a Big Problem

HTML + CSS

```
<h1>This is a heading</h1>  
  
<p>This is a paragraph.</p>
```



This is a heading

This is a paragraph.

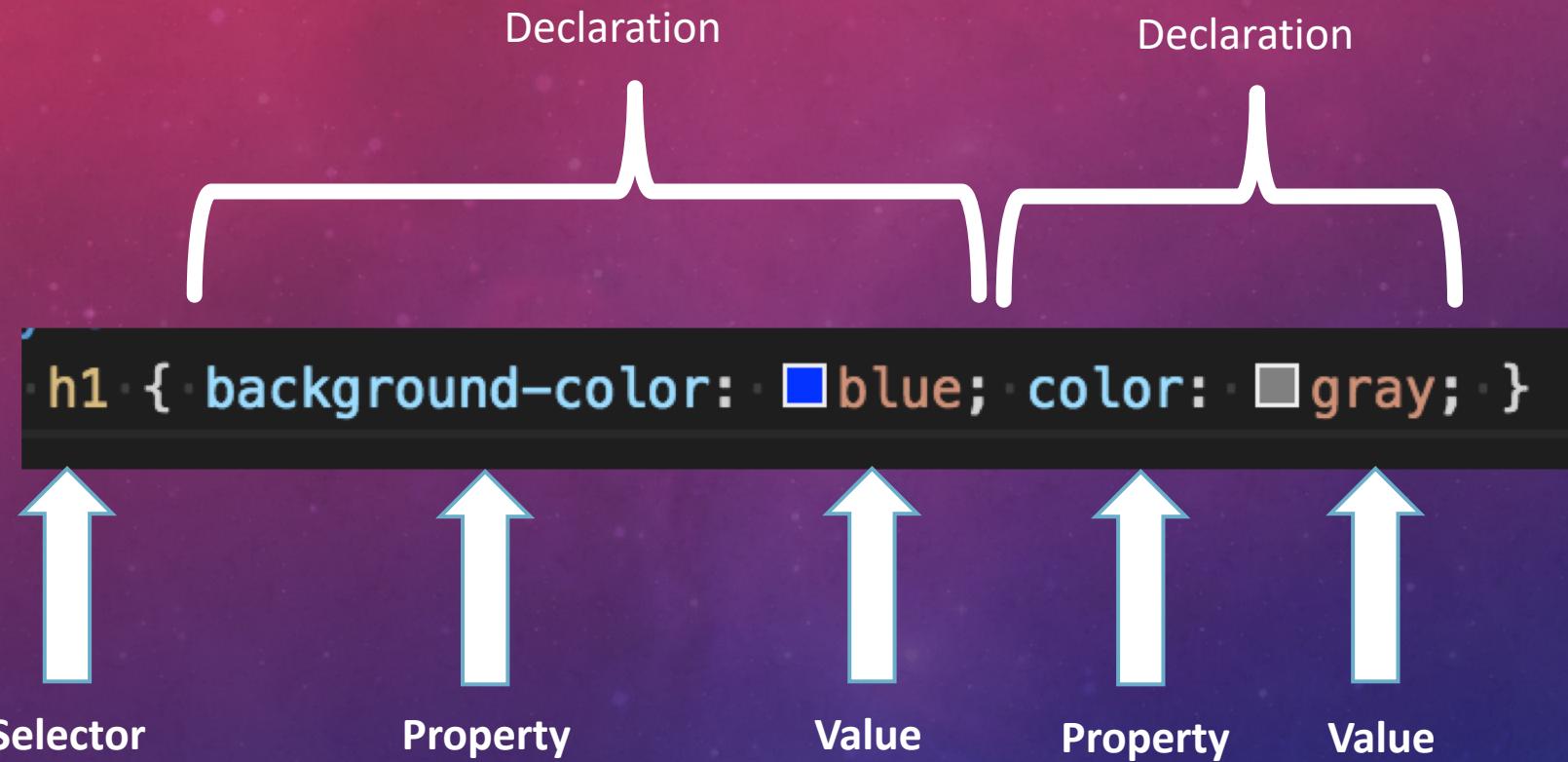
```
h1 {  
    background-color: blue;  
    color: gray;  
}  
  
p {  
    font-weight: bold;  
    color: red;  
    border: 1px solid black;  
}
```



This is a heading

This is a paragraph.

CSS SYNTAX



CSS SELECTORS

Types of selectors:

- CSS element Selector
- CSS id Selector
- CSS class Selector
- CSS Universal Selector
- CSS Grouping Selector

CSS ELEMENT SELECTOR

CSS:

```
h1 { background-color: blue; }
```

HTML:

```
<h1>This is a heading</h1>
```

Every header 1 (h1) has a
background color blue

CSS ID SELECTOR

CSS:

```
#uniq-header { background-color: blue; }
```

HTML:

```
<h1 id="uniq-header">This is a heading</h1>
```

The unique element which is identified by **#uniq-header** has a background color blue

CSS CLASS SELECTOR

CSS:

```
.cool-background {  
    font-weight: bold;  
    color: red;  
    border: 1px solid black;  
}
```

Every element with the class **.cool-background** has a bold font, text color red and a border

HTML:

```
<h1 id="uniq-header">This is a heading</h1>  
  
<p class="cool-background">This is a paragraph.</p>  
<p class="cool-background">Another paragraph.</p>  
<div class="cool-background">I'm not a paragraph but I can have the same class ;)</div>
```

CSS GROUPING SELECTOR

CSS:

```
#uniq-header { background-color: blue; }
```

```
h1 { background-color: blue; }
```



If there is no other solution, we can group different selectors with the same property

```
h1,  
#uniq-header {  
    background-color: blue;  
}
```

THREE WAYS TO INSERT CSS

- External CSS
- Internal CSS
- Inline CSS

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <link rel="stylesheet" href="../css/custom.css">
    <style>
      h1 {
        background-color: blue;
      }
    </style>
  </head>
  <body>
    <h1 id="uniq-header">This is a heading</h1>

    <p class="cool-background">This is a paragraph.</p>
    <p class="cool-background">Another paragraph.</p>
    <div class="cool-background">
      I'm not a paragraph
      <span style="font-weight: bold;">
        but I can have the same class
      </span>
    </div>
  </body>
</html>
```

CSS PROPERTIES

Most important:

- display
- Width, height
- Margin, padding
- Border
- Float , clear
- Color
- Background
- Font

CSS3 has actually at least 363 properties working on the most known browsers

MORE:

- <https://www.w3schools.com/cssref/default.asp>

CSS FUNCTIONS

- https://www.w3schools.com/cssref/css_functions.asp

CSS ANIMATABLE

https://www.w3schools.com/cssref/css_animatable.asp

CSS UNITS

- cm centimeters
- mm millimeters
- in inches ($1\text{in} = 96\text{px} = 2.54\text{cm}$)
- px * pixels ($1\text{px} = 1/96\text{th of 1in}$)
- pt points ($1\text{pt} = 1/72 \text{ of 1in}$)
- pc picas ($1\text{pc} = 12 \text{ pt}$)

CSS DEFAULT VALUES

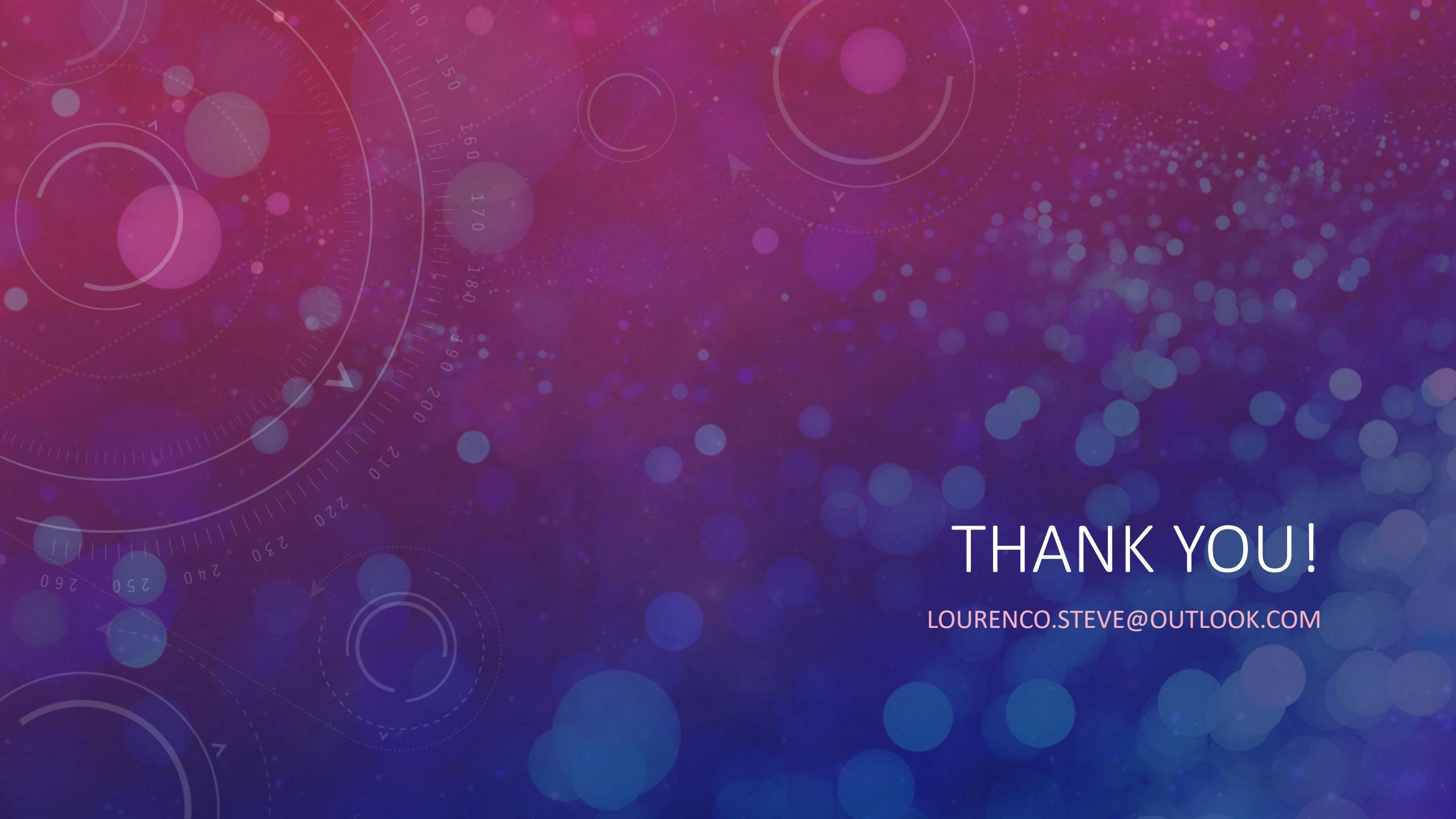
https://www.w3schools.com/cssref/css_default_values.asp

CSS BROWSER SUPPORT

- <https://caniuse.com/>

LET'S TRY IT OUT!

“Practice and fail is the best way to learn coding”

The background features a complex, abstract design. On the left side, there are several concentric circles in white and light gray, with numerical values ranging from 40 to 260 marked along their outer edges. These circles are partially obscured by numerous small, semi-transparent blue and white circular bokeh lights of varying sizes, creating a sense of depth and motion. The overall color palette transitions from a reddish-pink hue on the left to a deep purple and blue on the right.

THANK YOU!

LOURENCO.STEVE@OUTLOOK.COM