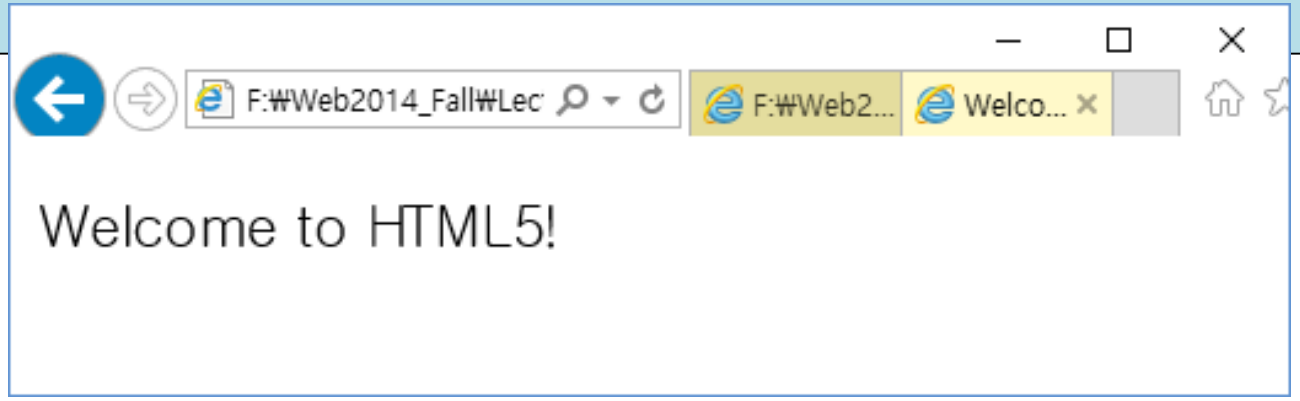
HTML5
from W3School,Deitel Book

- CSS
- CSS Effects
- Transformation
- Hyperlink

HTML5

```
<!DOCTYPE html >
<head>
    <title>Internet and WWW How to Program - Welcome</title>
  </head>
  <body>
    <p>Welcome to HTML5!</p>
  </body>
</html>
```



Apply CSS.

```
<!DOCTYPE html>
<head>
      <title>Welcome</title>
      <style>
          p {
            color: red;
            text-align: center;
          }
        </style>
   </head>
   <body>
      <p>Welcome to XHTML!</p>
   </body>
</html>
```

```css
p {
  text-align: center;
  color: red;
}
```

```css
p {
  background-color:Tomato;;
  color: red;
}
```

Think about the advantages of HTML5 over XML when using CSS.

```
<!DOCTYPE html>
  <head>
    <title>Welcome</title>
    <style>
          p {
          font-size:30px;
            color: blue;
            font-weight:bold;
            text-align: center;
            background-color:Tomato;
          }

        </style>
  </head>
  <body>
    <p>Welcome to XHTML!</p>
  </body>
</html>
```

```
<head>
    <title>Welcome</title>
    <style>
        p {
        width: 500px;
        height: 100px;
        font-size:30px;
          color: blue;
          font-weight:bold;
          text-align: center;
          background-color:Tomato;
        }
      </style>
  </head>
```

Welcome to XHTML!

```
<style>
        p {
        width: 500px;
        height: 100px;
        font-size:30px;
          color: blue;
          font-weight:bold;
          text-align: center;
          background-color:yellow;
          border: 1px solid red;
        }


      </style>
  </head>
  <body>
     <p>Welcome to HTML5!</p>
  </body>
```

```
<style>
        p {
        width: 500px;
        height: 100px;
        font-size:30px;
          color: blue;
          font-weight:bold;
          text-align: center;
          background-color:Tomato;
        }
         p {
position: relative;
-webkit-animation: mymove 5s infinite; /* Safari 4.0 - 8.0 *
animation: mymove 5s infinite;
          }
@keyframes mymove {
from {left: 0px;}
to {left: 200px;}
}
        </style>
```

```
 <style>
p {
width: 500px;
height: 100px;
font-size:30px;
color: blue;
font-weight:bold;
text-align: center;
background-color:Yellow;
border:2px solid black;
}
```

```
p {
position: relative;
-webkit-animation: mymove 5s infinite; /*
Safari 4.0 - 8.0 */
animation: mymove 5s infinite;
}
@keyframes mymove {
0% {left: 0px;}
50% {left: 200px;}
100% {left: 0px;}
}
</style>
   </head>
   <body>
      <p>Welcome to CSS</p>
   </body>
```

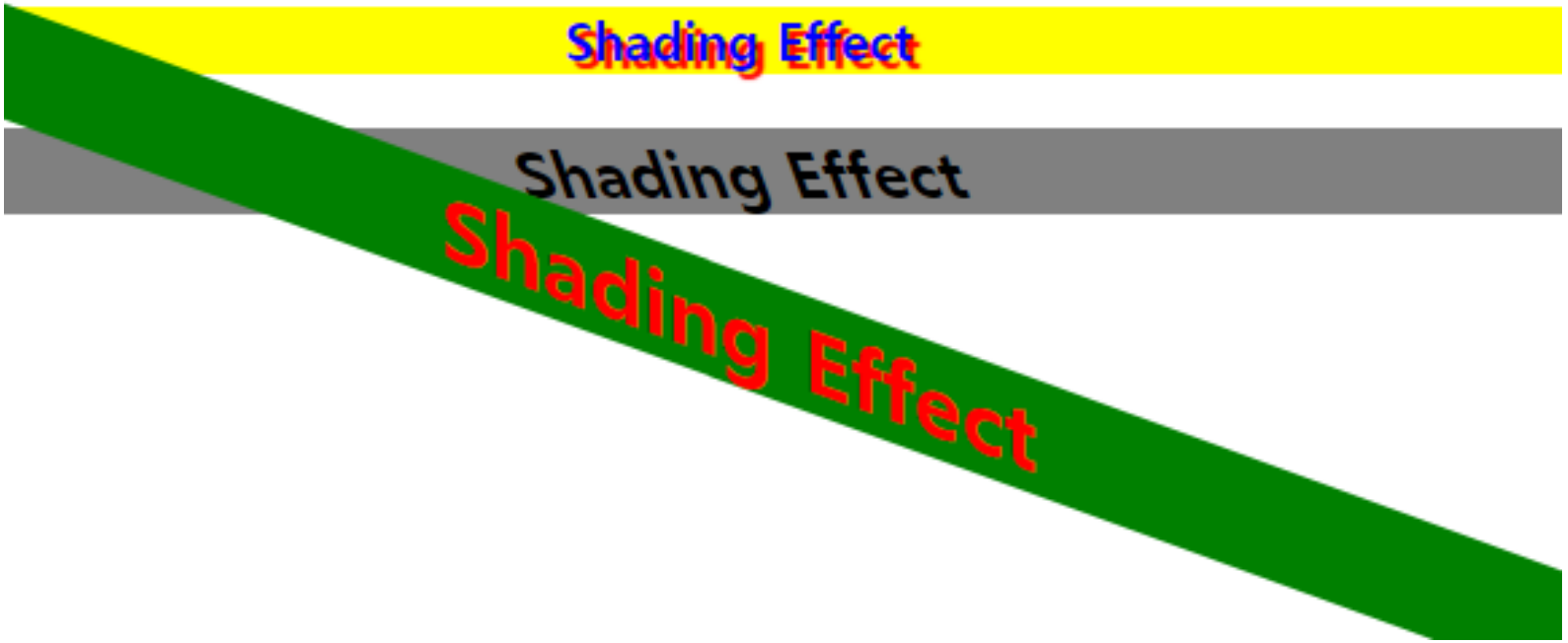
```
<head>
    <title>Welcome</title>
    <style>
        p {
        font-size:40px;
          color: blue;
          font-weight:bold;
          text-align: center;
          background-color:yellow;
          text-shadow: 3px 3px 1px red;
        }
      </style>
  </head>
```

Welcome to XHTML!

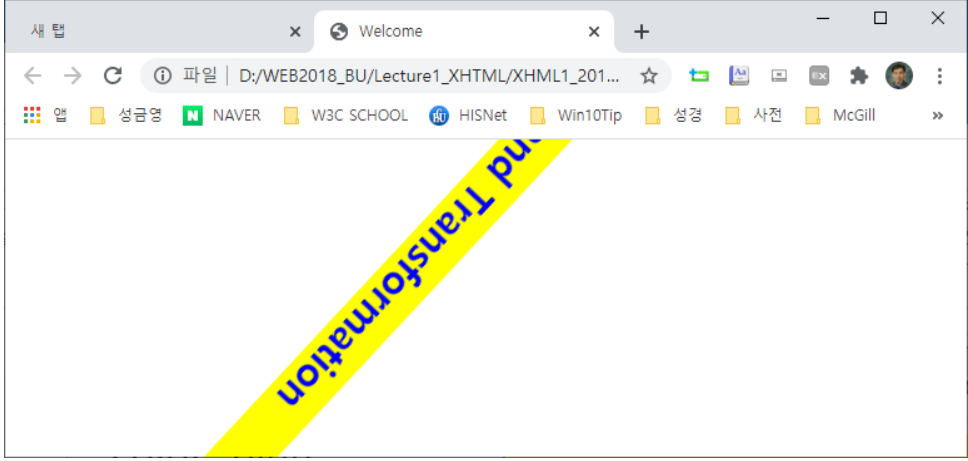
```
 <style>
h3 {
 color: blue;
font-weight:bold;
text-align: center;
background-color:yellow;
text-shadow: 3px 3px 1px red;
}
h2 {
color: black;
font-weight:bold;
text-align: center;
background-color:gray;
 transform: skewX(20deg);
 }
```

```
        h1 {
           color: red;
           font-weight:bold;
           text-align: center;
           background-color:green
       transform: skewY(20deg);
         }
       </style>
```

```
<body>
    <h3>Shading Effect</h3>
    <h2>Shading Effect</h2>
    <h1>Shading Effect</h1>
  </body>
```


Shading Effect
Shading Effect
Shading Effect

```
h1 {
color: blue;
font-weight:bold;
text-align: center;
background-color:yellow;
transition: width 2s, height 2s, transform 2s;
}
h1:hover {
 transform: rotate(180deg);
}
```

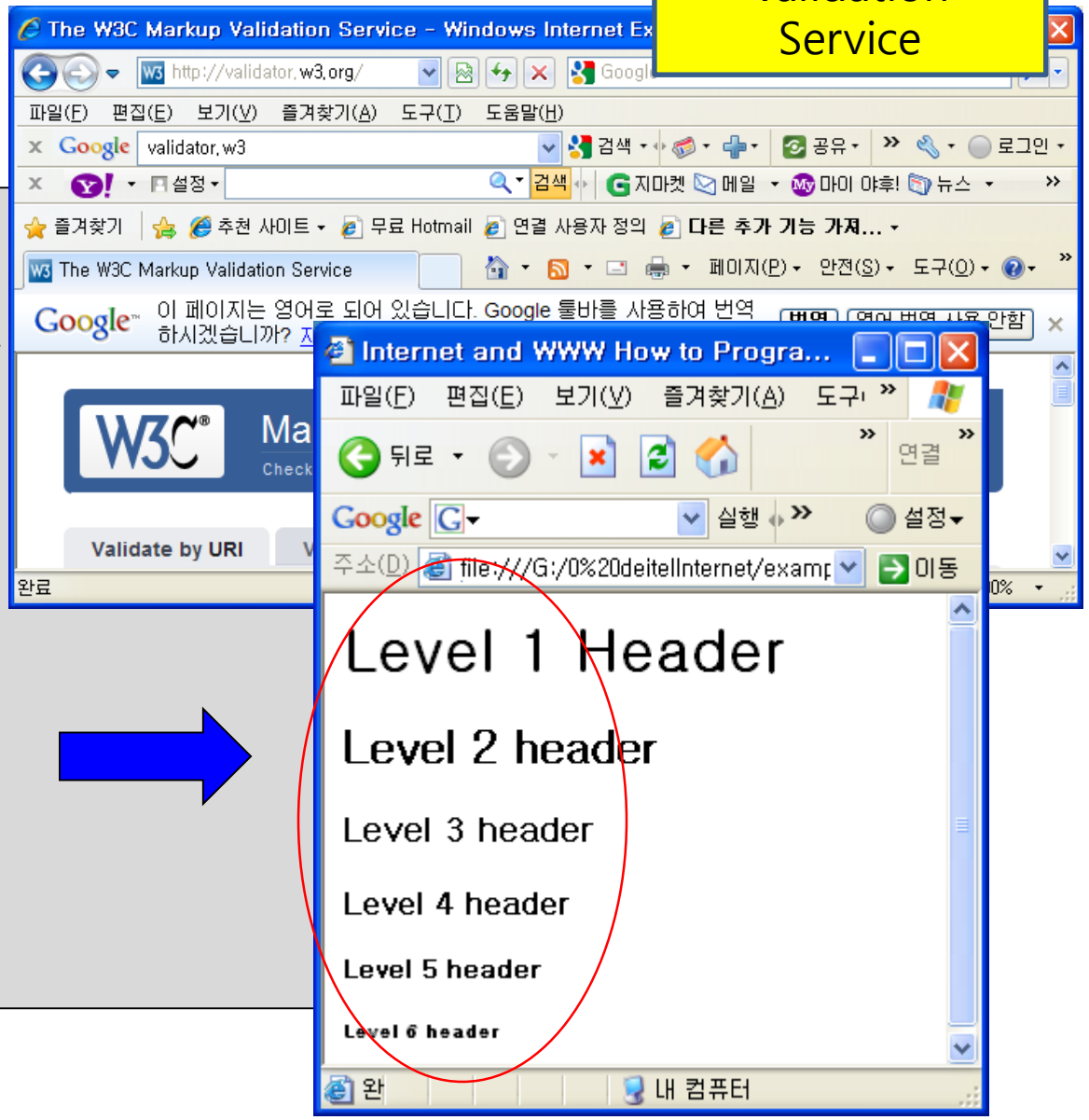


Understanding XHTML WITH Experimen

W3C XHTML Validation Service

headers

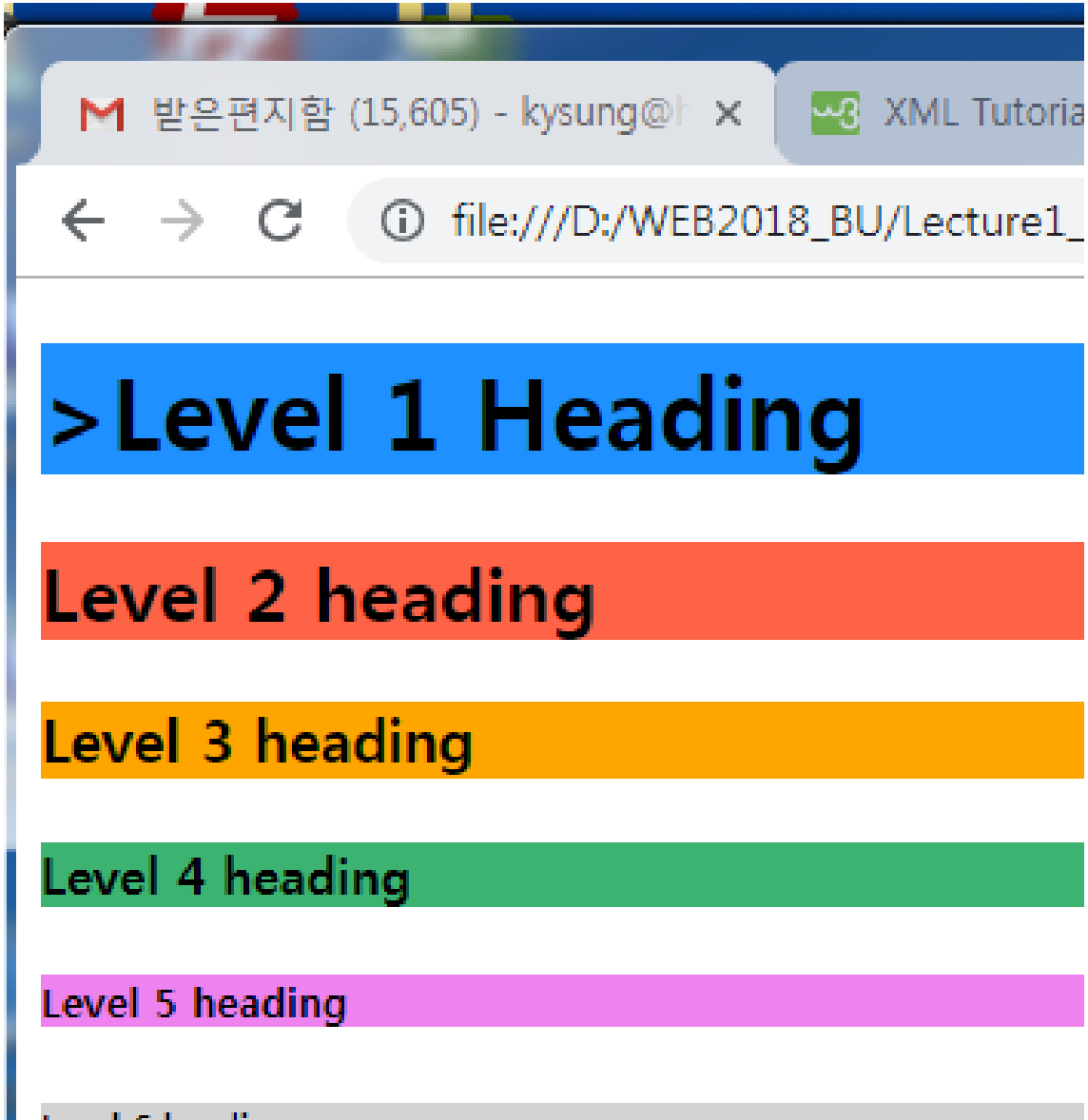
```
<!DOCTYPE HTML>
<head>
    <title>Internet and WWW
  </head>
  <body>
    <h1>Level 1 Header</h1>
    <h2>Level 2 header</h2>
    <h3>Level 3 header</h3>
    <h4>Level 4 header</h4>
    <h5>Level 5 header</h5>
    <h6>Level 6 header</h6>
  </body>
</html>
```

CSS Background color

```
<h1 style="background-color: DodgerBlue;">Level 1 He
<h2 style="background-color: Tomato;">Level 2 heading
<h3 style="background-color: Orange;">Level 3 heading
<h4 style="background-color: MediumSeaGreen;">Leve
<h5 style="background-color: Violet;">Level 5 heading<
<h6 style="background-color: LightGray;">Level 6 head
```

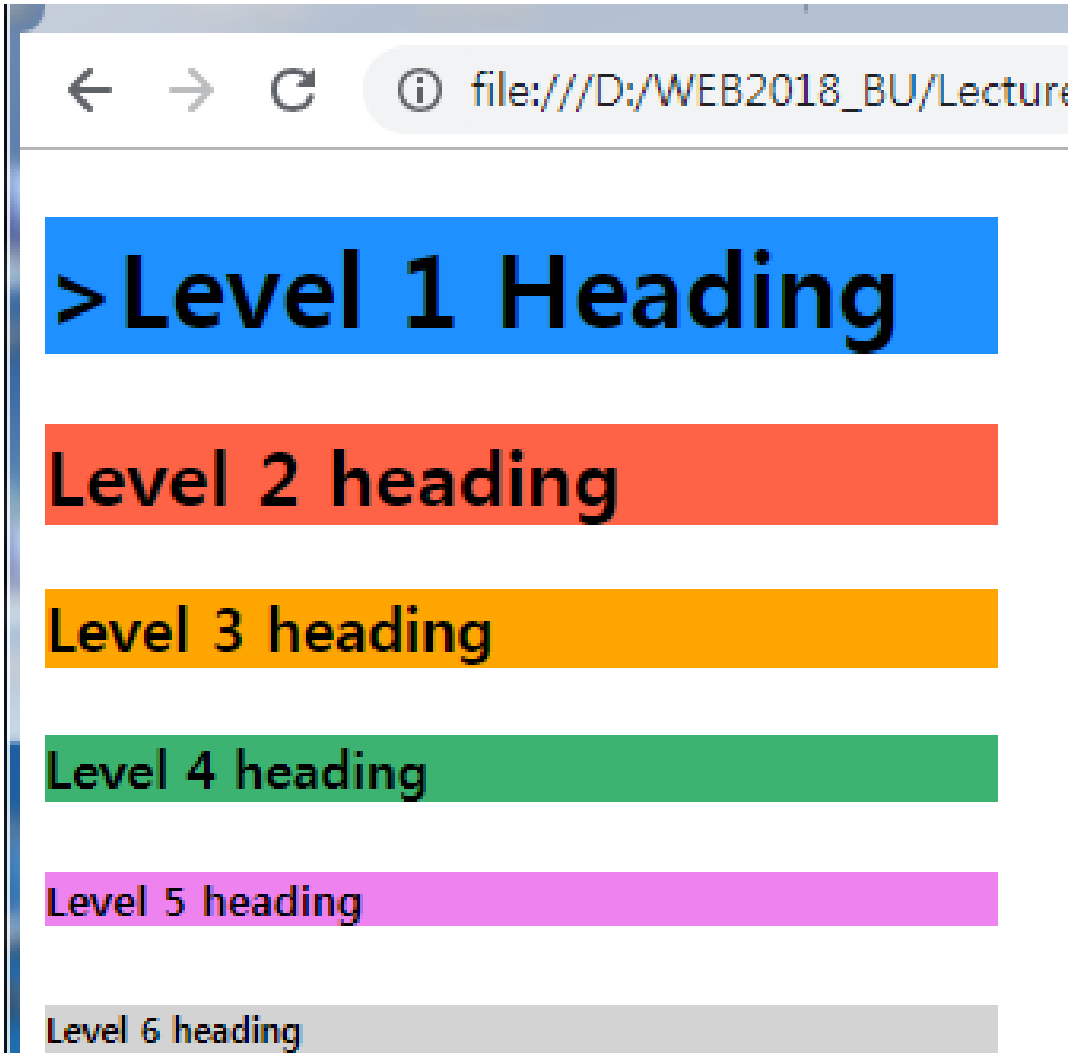
CSS Background color
No Width and Height



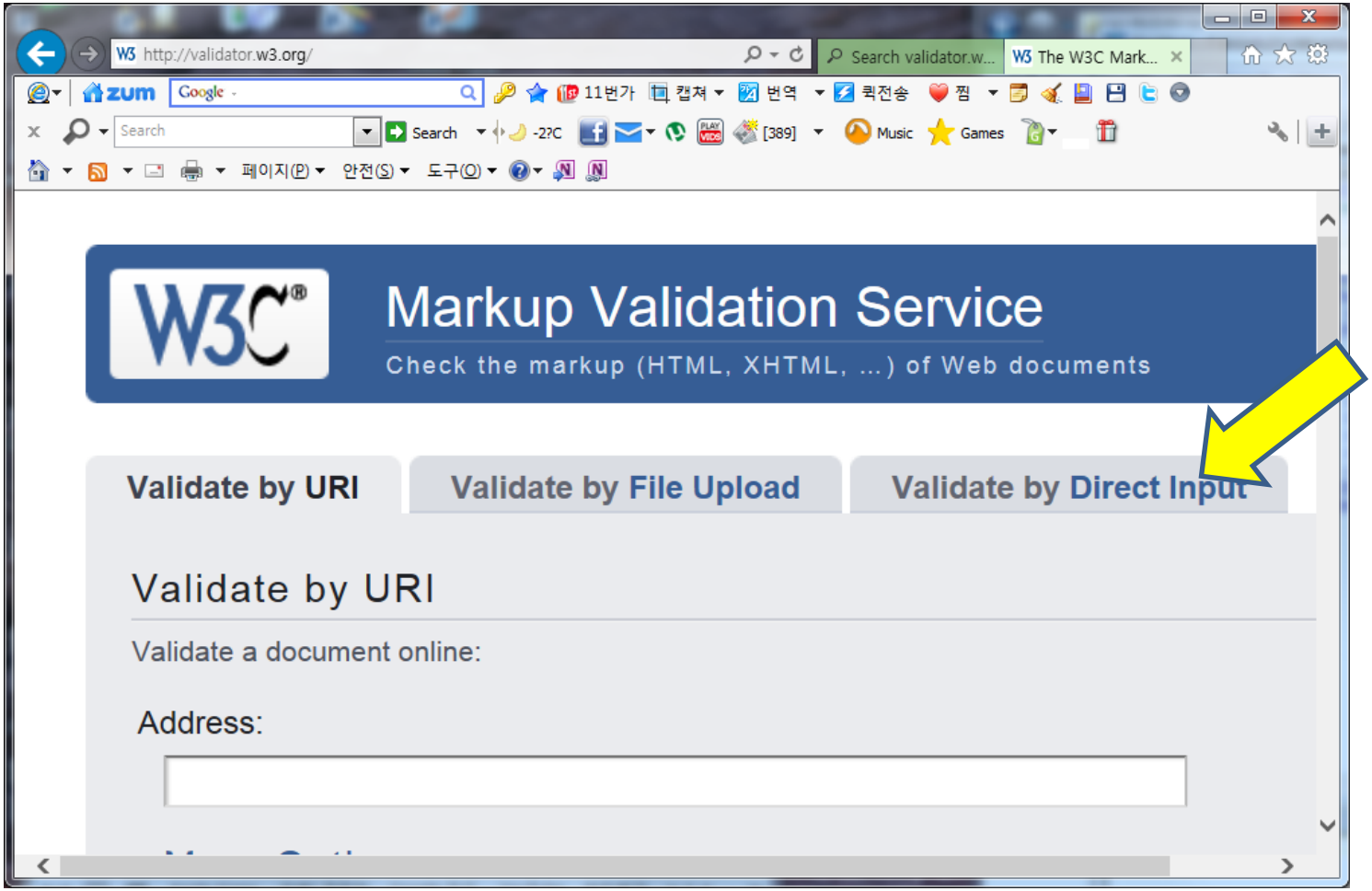
```
<!DOCTYPE HTML>
  <head>
    <title>Headings</title>
      <style>
        body {
            width: 300px;
            height: 100px;
        }
</style>
  </head>
  <body>
      <h1 style="background-color:DodgerBlue;">Level 1 Head
      <h2 style="background-color:Tomato;">Level 2 heading<
      <h3 style="background-color:Orange;">Level 3 heading</h
      <h4 style="background-color:MediumSeaGreen;">Level 4 h
      <h5 style="background-color:Violet;">Level 5 heading</h5
      <h6 style="background-color:LightGray;">Level 6 heading<
  </body>
</html>
```

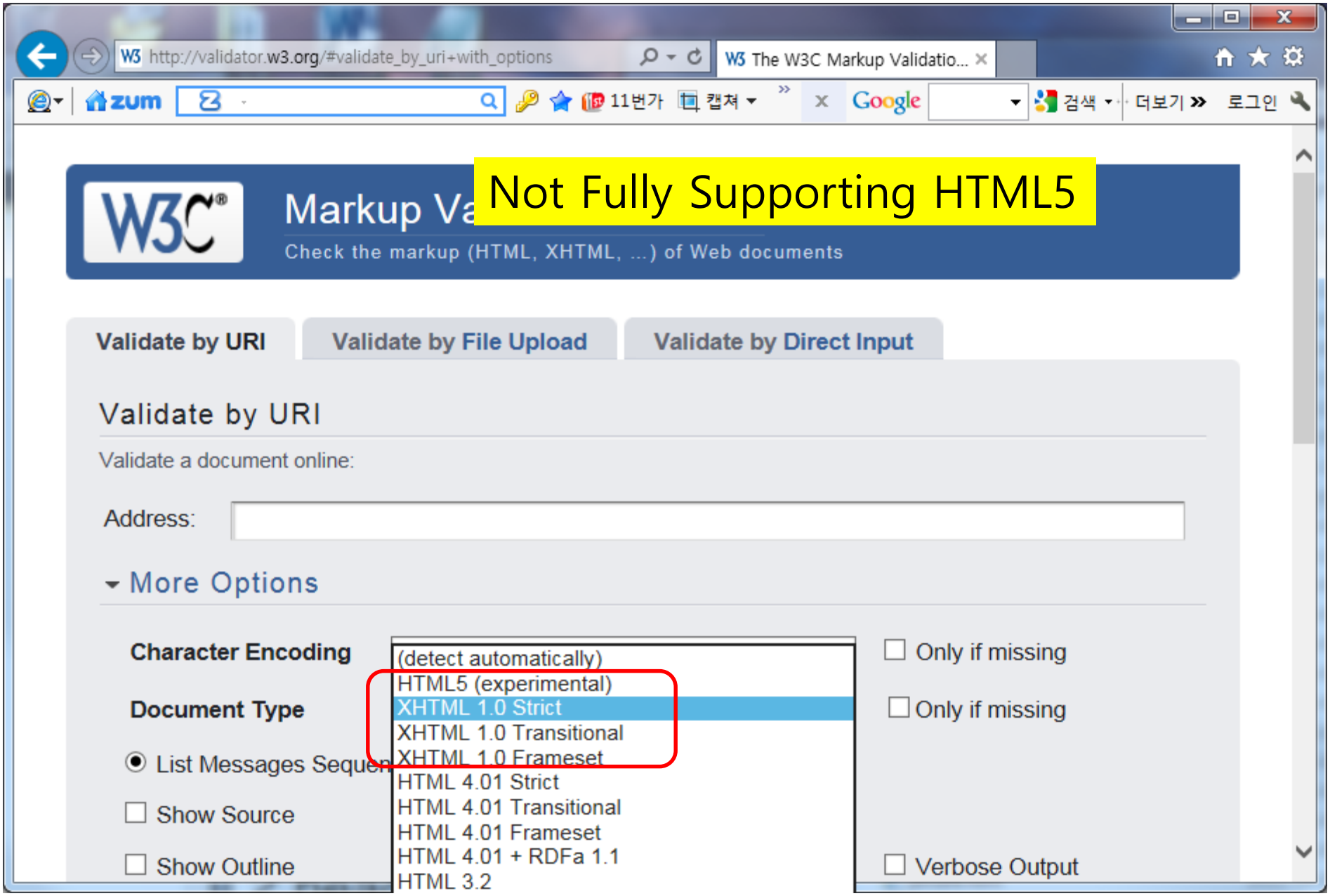
```
<h1 style="background-color: DodgerBlue;">
                Level 1 Heading</h1>
<h2 style="background-color: Tomato;">
                Level 2 heading</h2>
<h3 style="background-color: Orange;">
                Level 3 heading</h3>
<h4 style="background-color: MediumSeaGreen;">
                Level 4 heading</h4>
<h5 style="background-color: Violet;">
                Level 5 heading</h5>
<h6 style="background-color: LightGray;">
                Level 6 heading</h6>
```

width and height

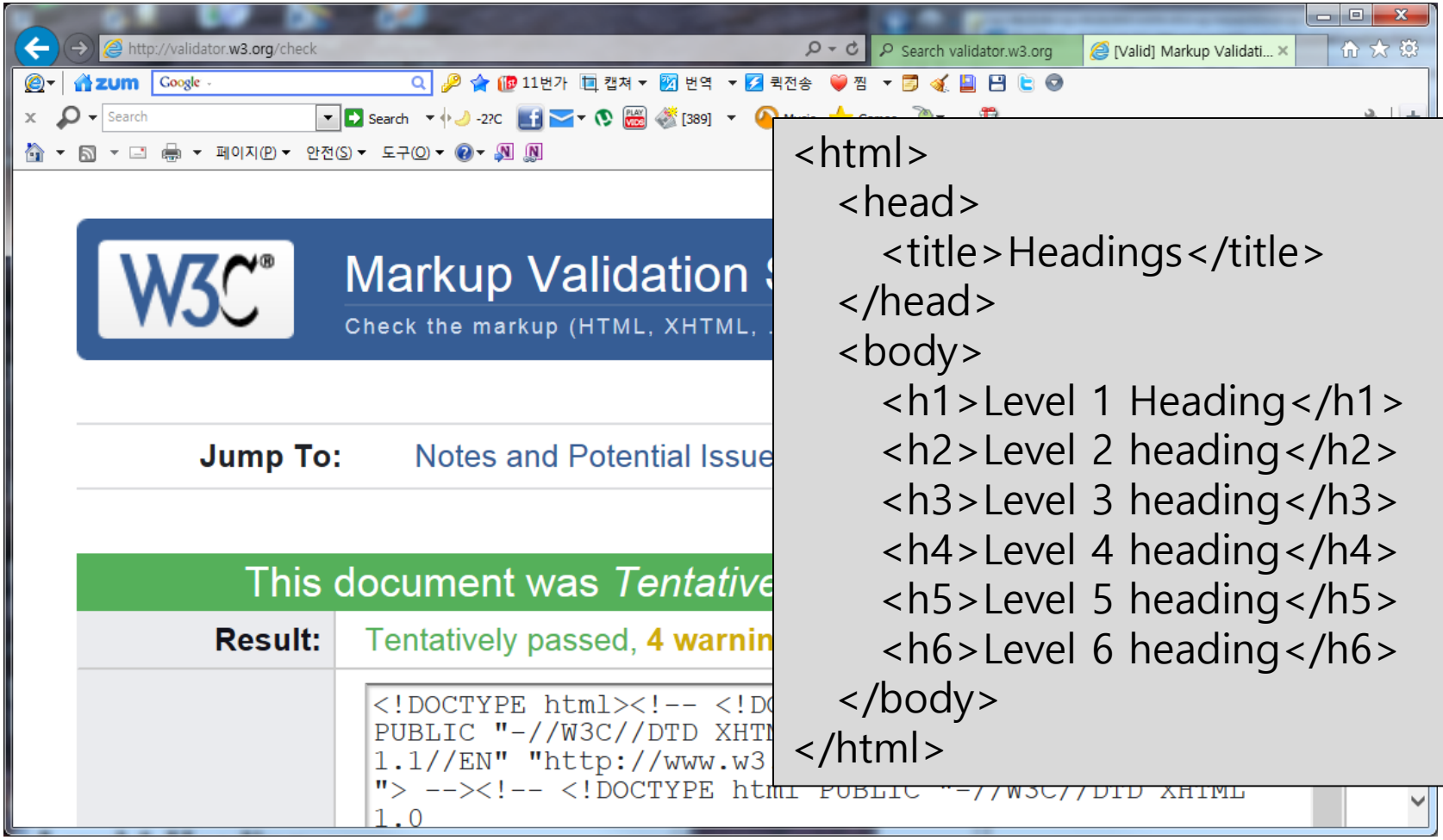


http://validator.w3.org/




http://validator.w3.org/#validate_by_uri+with_options
The W3C Markup Validatio...
Not Fully Supporting HTML5
Markup Va
Check the markup (HTML, XHTML, ...) of Web documents
Validate by URI
Validate by File Upload
Validate by Direct Input
Validate by URI
Validate a document online:
Address:
More Options
Character Encoding
(detect automatically)
HTML5 (experimental)
XHTML 1.0 Strict
XHTML 1.0 Transitional
XHTML 1.0 Frameset
HTML 4.01 Strict
HTML 4.01 Transitional
HTML 4.01 Frameset
HTML 4.01 + RDFa 1.1
HTML 3.2
Only if missing
Document Type
Only if missing
List Messages Sequen
Show Source
Show Outline
Verbose Output

Check Syntax




```
<html>
  <head>
    <title>Headings</title>
  </head>
  <body>
    <h1>Level 1 Heading</h1>
    <h2>Level 2 heading</h2>
    <h3>Level 3 heading</h3>
    <h4>Level 4 heading</h4>
    <h5>Level 5 heading</h5>
    <h6>Level 6 heading</h6>
  </body>
</html>
```

Changed font size for h1 tag

```
<style>
        h1 {
        width: 200px;
        background: yellow;
        font-size: 20px;
 }
</style>
```

Level 1 Heading

Level 2 heading

Level 3 heading

Level 4 heading

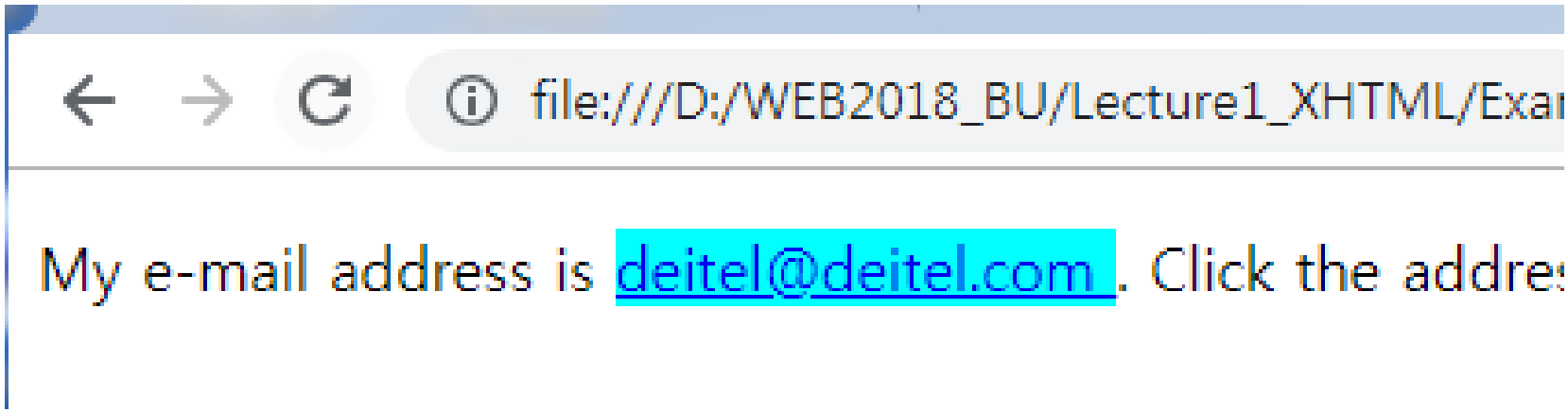
Hyperlink to an E-mail

```
<html xmlns = "http://www.w3.org/1999/xhtml">
  <head>
    <title>Contact Page</title>
  </head>
  <body>
    <p>
      My e-mail address is
      <a href = "mailto:deitel@deitel.com">
        deitel@deitel.com
      </a>
      . Click the address and your default email client
      will open an email message and address it to me.
    </p>
  </body>
</html>
```

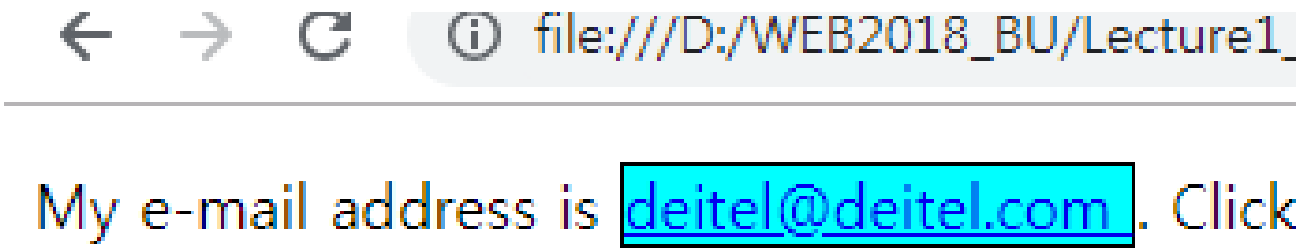
Background color for a element

```
<title>Contact Page</title>
    <style>
                a {
                    background: cyan;
                }
     </style>
</head>

<body>
   <p>
      My e-mail address is
         <a href = "mailto:deitel@deitel.com">
            deitel@deitel.com
         </a>
      . Click the address and your default email client
```

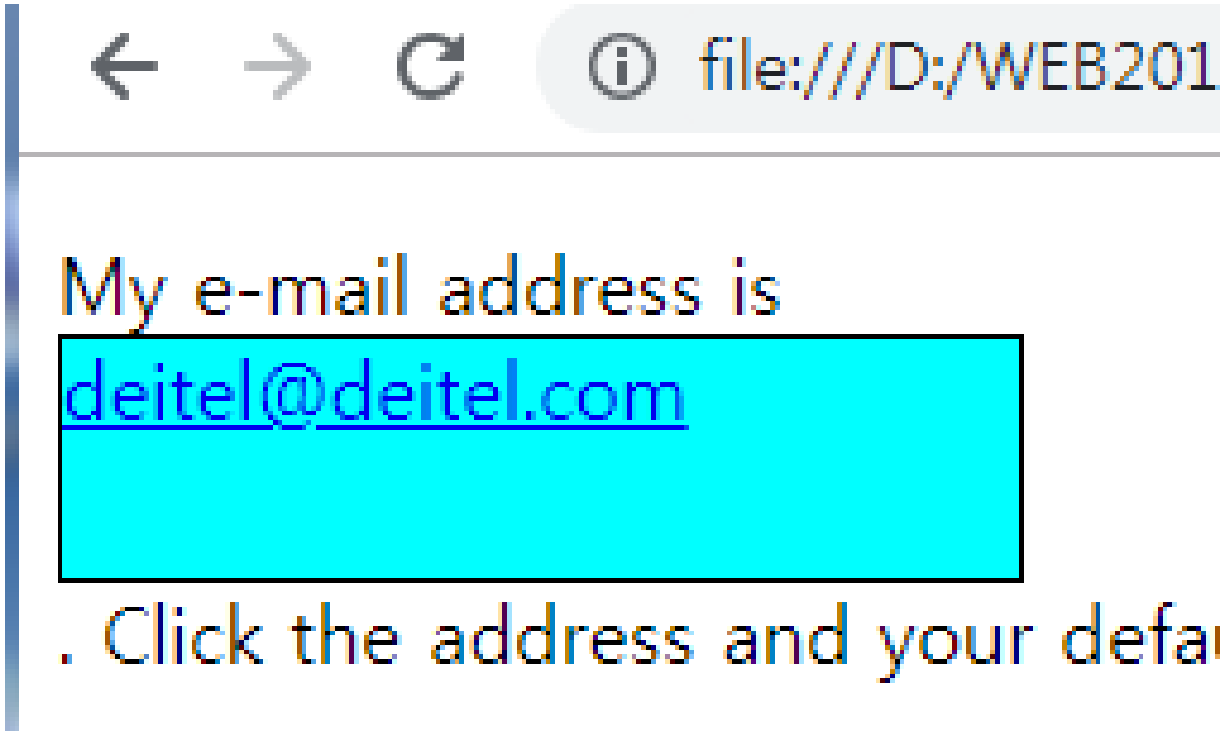
Give a background color to a tag.



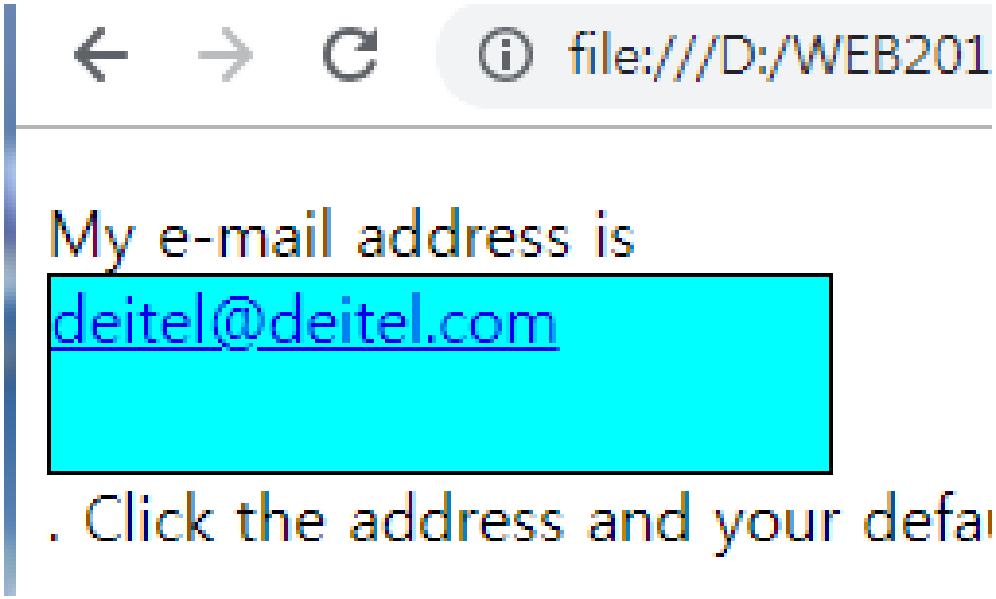
```
<style>
                a {
                    width: 50px;
                    height: 30px;

    background: cyan;
       border: 1px solid black;

                }
    </style>
```



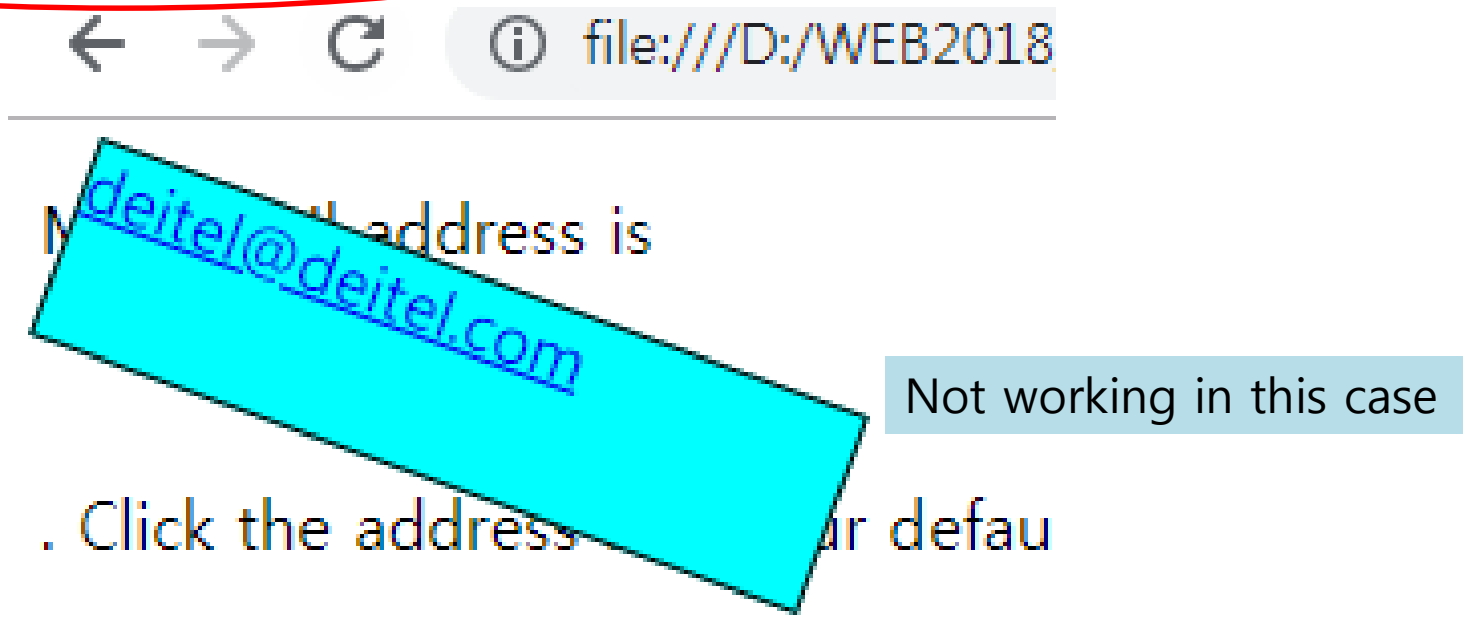
Give a boundary to a tag.



```
<style>
        a {
          width: 200px;
        height: 50px;
      background: cyan;
        border: 1px solid black;
        display: block;
```



```
a {
        width: 200px;
        height: 50px;
        background: cyan;
        border: 1px solid black;
        display: block;
    }
a {transform: rotate(20deg); transform-origin: 100 100;
```



Not working in this case