

# Example

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <style>
    .header {
      background-color: darkseagreen;
    }
    .header .menu {
      float: left;
      color: whitesmoke;
      height: 38px;
    }
    .header .account {
      float: right;
      color: antiquewhite;
      height: 38px;
    }
    .header .container .menu a{
      font-family: source sans pro,sans-serif;
      display: inline-block;
      margin-right: 10px;
      line-height: 40px;
      text-decoration: none;
      color: bisque;
    }
    .header .container .menu a:hover{
      color: burlywood;
    }
    .header .container .account a{
      font-family: source sans pro,sans-serif;
      display: inline-block;
      margin-right: 10px;
      line-height: 40px;
      text-decoration: none;
      color: whitesmoke;
    }
    .header .container .account a:hover{
      color: lightyellow;
    }
    .container{
      width: 1000px;
      margin: 0 auto;
    }
    .sub_header {
      background-color: lightyellow;
    }
    .sub_header .search{
      padding-top: 48px;
      margin-left: 200px;
    }
    .sub_header .container .menu_list{
      float: left;
    }
    .sub_header .container .menu_list .left_menu {
      float: left;
    }
    .sub_header .container .menu_list .right_menu {
      float: right;
    }
    .sub_header .container .menu_list .left_menu .logo {
      float: left;
    }
    .sub_header .container .menu_list .left_menu .words {
      float: right;
    }
    .sub_header .container .menu_list .left_menu .logo img{
      height: 25px;
      width: 95px;
      padding-top: 45px;
      display: inline-block;
      margin-right: 60px;
    }

    .sub_header .container .menu_list .left_menu a {
      font-family: source sans pro,sans-serif;
      display: inline-block;
      margin-right: 10px;
      margin-top: 10px;
      padding-left: 10px;
      padding-right: 10px;
      line-height: 100px;
      text-decoration: none;
      color: dimgray;
    }

    .sub_header .container .menu_list .left_menu a:hover{
      color: black;
    }

    .slider .side {
      height: 533px;
      width: 20%;
      background-color: lavender;
      float: left;
    }
    .slider .sd_img img{
      width: 80%;
      height: 100%;
      float: right;
    }
```

```

    }

    .news .container .channel {
        border: 5px solid skyblue;
        height: 230px;
        width: 225px;
        float: left;
        margin-top: 10px;
        margin-right: 30px;
        background-color: skyblue;
        opacity: 50%;
    }

    .news .container .list_birds{
        height: 230px;
        width: 225px;
        float: left;
        margin-top: 10px;
        margin-left: 20px;
    }
    .news .container .list_birds img{
        height: 100%;
        width: 100%;
    }
    .news .container .channel .media{
        float: left;
        display: inline-block;
    }
    .news .container .channel .media img{
        padding: 20px;
        height: 30%;
        width: 30%;
        opacity: 80%;
    }

    .news .container .channel .media .line{
        padding: 20px;
        height: 70%;
        width: 70%;
        opacity: 80%;
    }
}

</style>
</head>
<body style="margin: 0">
<div class="header">
    <div class="container">
        <div class="menu">
            <a href="https://www.allaboutbirds.org/guide/">Birds</a>
            <a href="https://www.allaboutbirds.org/cams/">Live Cams</a>
            <a href="https://academy.allaboutbirds.org/">Courses</a>
            <a href="###">Birds ID</a>
        </div>
        <div class="account">
            <a href="###">get news</a>
        </div>
        <div style="clear: both"></div>
    </div>
</div>

<div class="sub_header">
    <div class="container">
        <div class="menu_list">
            <div class="left_menu">
                <div class="logo">
                    
                </div>
                <div class="words">
                    <a href="https://www.allaboutbirds.org/news/get-involved/">Get Involved</a>
                    <a href="about:blank#blocked">Get eNews</a>
                    <a href="https://give.birds.cornell.edu/page/87895/donate/1?ea.tracking.id=AAB&__hstc=75100365.57915c370c6ce02f0840">Video Highlights</a>
                </div>
                <div style="clear: both"></div>
            </div>

            <div class="right_menu">
                <div class="search">
                    <input type="text">
                </div>
            </div>
            <div style="clear: both"></div>
        </div>
        <div style="clear: both"></div>
    </div>
</div>

<div class="slider">
    <div class="container">
        <div class="side">

        </div>
        <div class="sd_img">
            
        </div>
        <div style="clear: both"></div>
    </div>
</div>

<div class="news">
    <div class="container">
        <div class="channel">
            <div class="media">
                
                
                
            </div>
            <div style="clear: both"></div>
        </div>
    </div>
</div>

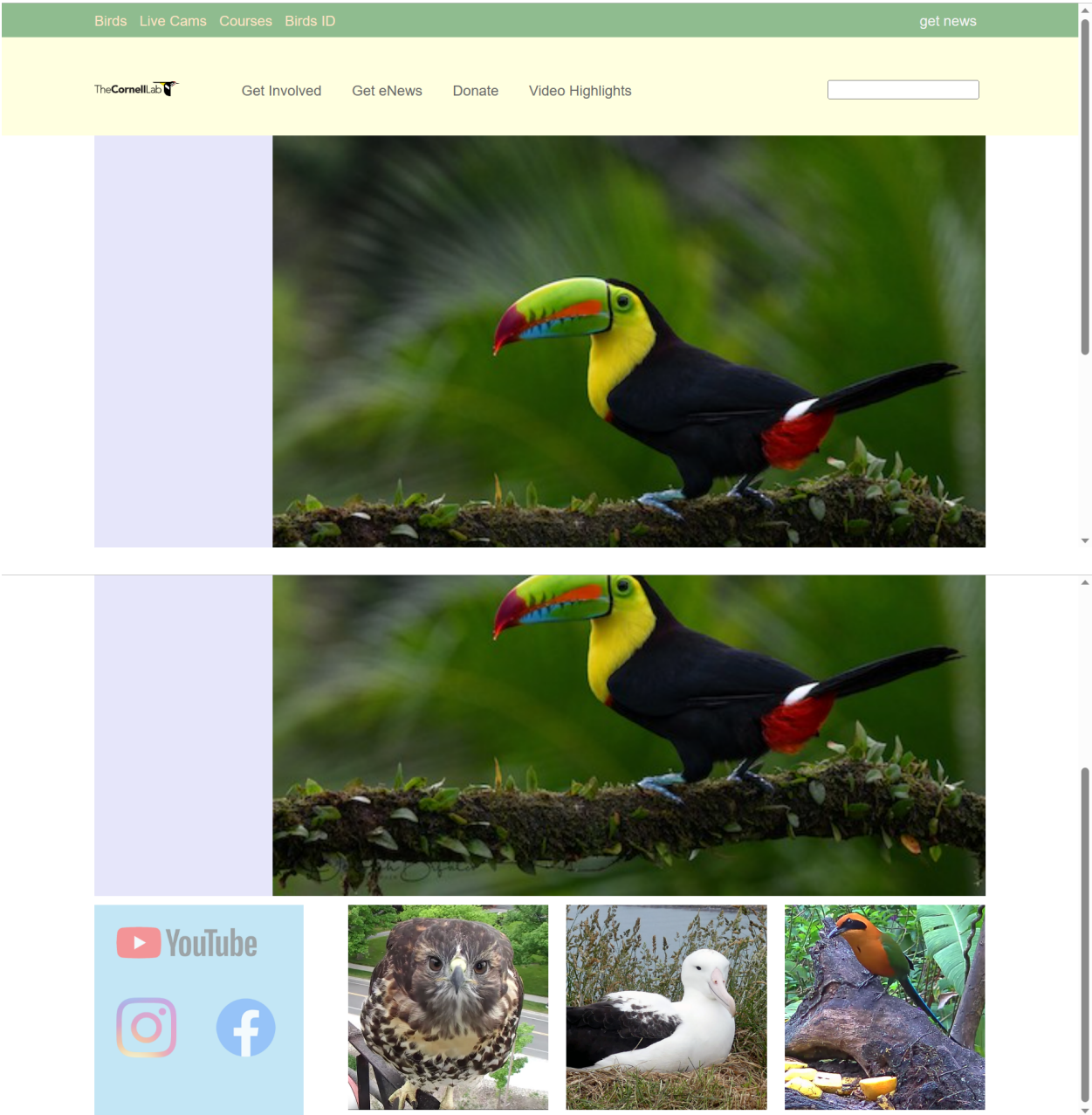
```

```

</div>

<div class="list_birds">
  
</div>
<div class="list_birds">
  
</div>
<div class="list_birds">
  
</div>
<div style="clear: both"></div>
</div>
</div>
</body>
</html>

```



# 1. hover

```

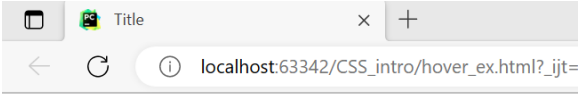
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <style>
    .c1{
      color: firebrick;
      padding: 20px;
    }
    .c1:hover{
      color: darkred;
    }
    .birds .c2 img{
      height: 200px;
      width: 300px;
      margin-left: 20px;
    }
    .c2{
      display: none;
    }
  </style>

```

```

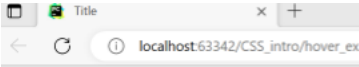
    }
    .birds: hover .c2 {
        display: block;
    }
</style>
</head>
<body>
    <h1 class="c1">word color change</h1>
    <div class="birds">
        <h2 style="color: cornflowerblue; padding-left: 20px">img hiding!</h2>

        <div class="c2">
            
        </div>
    </div>
</body>
</html>
```



word color change

img hiding↓



word color change

img hiding↓



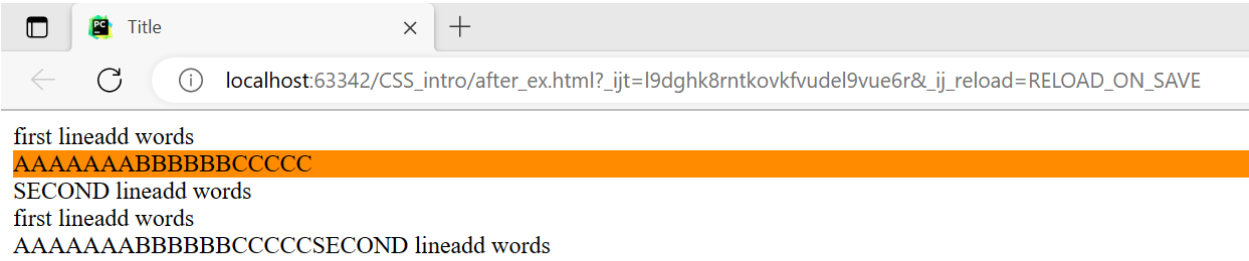
2. after

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
    <style>
        .c1:after {
            content: "add words";
        }
        .c2 .item{
            float: left;
        }
        .c2:after {
            content: "";
            display: block;
            clear: both;
        }
        .c3 .item{
            float: left;
        }
    </style>
</head>
<body>
    <div class="c1">first line</div>
    <div class="c2" style="background-color: darkorange">
        <div class="item">AAAAAA </div>
        <div class="item">BBBBBB </div>
        <div class="item">CCCCC </div>
    </div>
    <div class="c1">SECOND line</div>

    <div class="c1">first line</div>
    <div class="c3" style="background-color: darkorange">
        <div class="item">AAAAAA </div>
        <div class="item">BBBBBB </div>
        <div class="item">CCCCC </div>
```

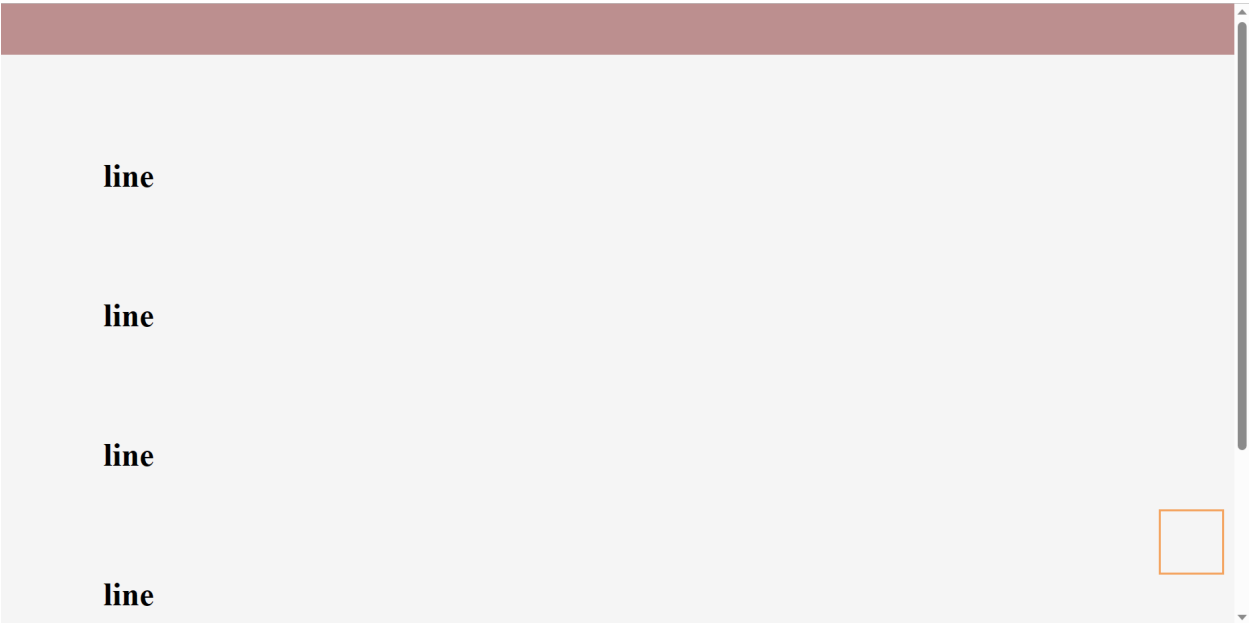
```
</div>
<div class="c1">SECOND line</div>

</body>
</html>
```



### 3. position

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <style>
    .background {
      background-color: whitesmoke;
    }
    .back {
      position: fixed;
      height: 60px;
      width: 60px;
      border: 2px solid sandybrown;
      right: 10px;
      bottom: 50px;
    }
  </style>
</head>
<body style="margin: 0">
  <div class="background">
    <div style="height: 50px; background-color: rosybrown"></div>
    <h1 style="margin: 100px">line</h1>
    <h1 style="margin: 100px">line</h1>
    <h1 style="margin: 100px">line</h1>
    <h1 style="margin: 100px">line</h1>
    <h1 style="margin: 100px">line</h1>
  </div>
  <div class="back"></div>
</body>
</html>
```

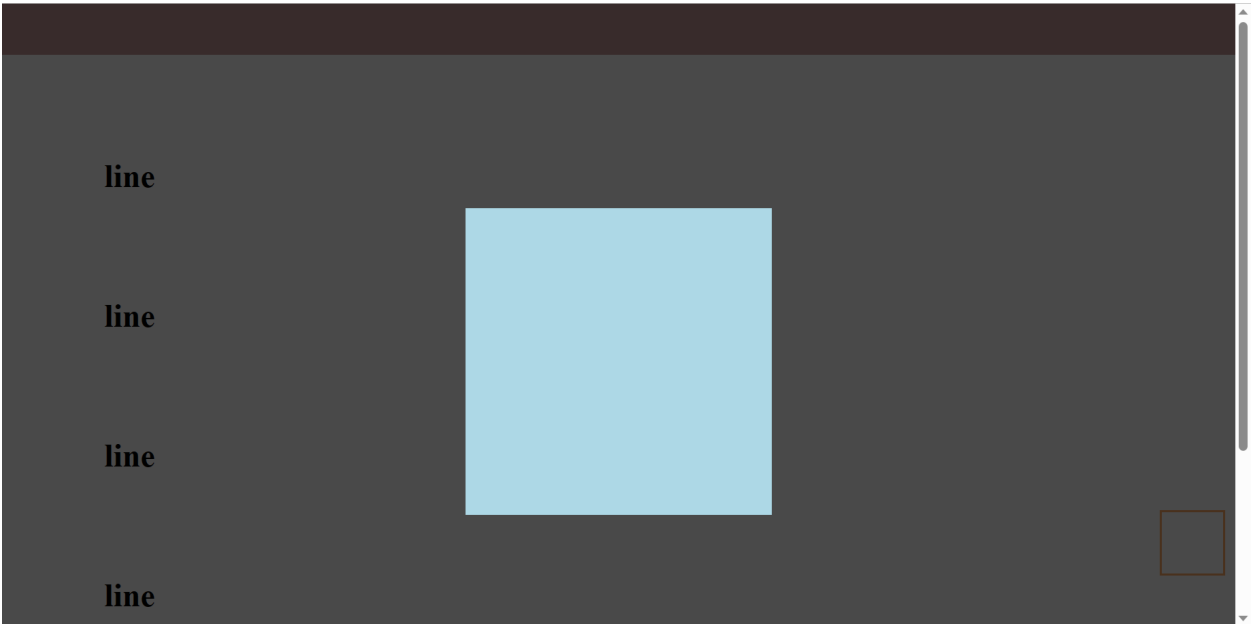


```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
```

```
<style>
    .background {
        background-color: whitesmoke;
    }
    .back {
        position: fixed;
        height: 60px;
        width: 60px;
        border: 2px solid sandybrown;
        right: 10px;
        bottom: 50px;
    }
    .dialog {
        position: fixed;
        height: 300px;
        width: 300px;
        background-color: lightblue;
        left: 0;
        right: 0;
        margin: 0 auto;
        top: 200px;
        z-index: 100;
    }
    /*z-index fix relation for each fixed position (which one should be above)*/
    .mask {
        position: fixed;
        background-color: black;
        opacity: 70%;
        left: 0;
        right: 0;
        top: 0;
        bottom: 0;
        z-index: 99;
    }
</style>
</head>
<body style="margin: 0">
    <div class="background">
        <div style="height: 50px; background-color: rosybrown"></div>
        <h1 style="margin: 100px">line</h1>
        <h1 style="margin: 100px">line</h1>
        <h1 style="margin: 100px">line</h1>
        <h1 style="margin: 100px">line</h1>
        <h1 style="margin: 100px">line</h1>
    </div>
    <div class="back"></div>

    <div class="mask"></div>
    <div class="dialog">

</div>
</body>
</html>
```

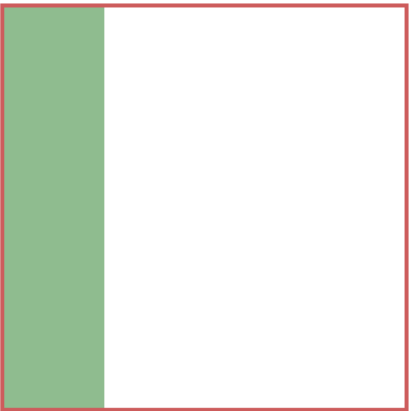
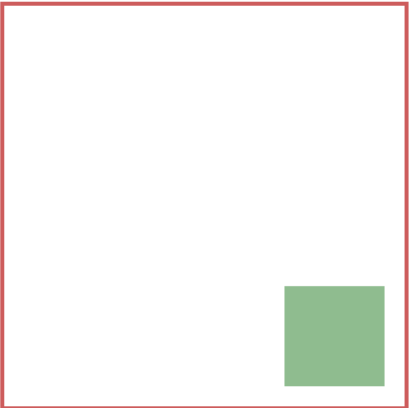


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
    <style>

        .c1{
            height: 200px;
            width: 200px;
            border: 2px solid indianred;
            margin: 100px;
            position: relative;
        }
        .c1 .c2{
            height: 50px;
            width: 50px;
            background-color: darkseagreen;
            position: absolute;
            right: 10px;
```

```
        bottom: 10px;
    }
    .c3 {
        height: 200px;
        width: 200px;
        border: 2px solid indianred;
        margin: 100px;
    }
    .c3 .c4 {
        height: 50px;
        width: 50px;
        background-color: darkseagreen;
    }
}
</style>
</head>
<body style="margin: 0">

    <div class="c1">
        <div class="c2"></div>
        <div class="c2"></div>
        <div class="c2"></div>
        <div class="c2"></div>
    </div>
    <div class="c3">
        <div class="c4"></div>
        <div class="c4"></div>
        <div class="c4"></div>
        <div class="c4"></div>
    </div>
</body>
</html>
```



example

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
    <style>
        .link {
            margin: 0 auto;
            width: 100px;
            margin-top: 100px;
            padding: 20px;
```

```
padding-left: 65px;
background-color: seagreen;
position: relative;
}
.link a {
color: burlywood;
text-decoration: none;
}
.link a:hover{
color: sandybrown;
}
.link .show{
position: absolute;
bottom: -100px;
right: 45px;
background-color: goldenrod;
height: 100px;
width: 100px;
display: none;
}
.link:hover .show{
display: block;
}
</style>
</head>
<body style="margin: 0">

<div class="link">
<a href="#">linkage</a>
<div class="show">

</div>
</div>
</body>
</html>
```



### 4. border & background-color

please refer to previous examples  
have color “transparent”