

## Change the Color of Text

```
<h2 style="color: red;">CatPhotoApp</h2>

<main>

  <p>Click here to view more <a href="#">cat photos</a>.</p>

  <a href="#"></a>

  <div>

    <p>Things cats love:</p>

    <ul>

      <li>cat nip</li>

      <li>laser pointers</li>

      <li>lasagna</li>

    </ul>

    <p>Top 3 things cats hate:</p>

    <ol>

      <li>flea treatment</li>

      <li>thunder</li>

      <li>other cats</li>

    </ol>

  </div>

  <form action="https://freecatphotoapp.com/submit-cat-photo">

    <label><input type="radio" name="indoor-outdoor" checked> Indoor</label>

    <label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>

    <label><input type="checkbox" name="personality" checked> Loving</label>

    <label><input type="checkbox" name="personality"> Lazy</label>

    <label><input type="checkbox" name="personality"> Energetic</label><br>

    <input type="text" placeholder="cat photo URL" required>

    <button type="submit">Submit</button>

  </form>
```

```
</main>
```

## Use CSS Selectors to Style Elements

```
<style>
```

```
  h2 {  
    color: blue;  
  }
```

```
</style>
```

```
<h2>CatPhotoApp</h2>
```

```
<main>
```

```
  <p>Click here to view more <a href="#">cat photos</a>.</p>
```

```
  <a href="#"></a>
```

```
<div>
```

```
  <p>Things cats love:</p>
```

```
  <ul>
```

```
    <li>cat nip</li>
```

```
    <li>laser pointers</li>
```

```
    <li>lasagna</li>
```

```
  </ul>
```

```
  <p>Top 3 things cats hate:</p>
```

```
  <ol>
```

```
    <li>flea treatment</li>
```

```
    <li>thunder</li>
```

```
    <li>other cats</li>
```

```
</ol>
</div>

<form action="https://freecatphotoapp.com/submit-cat-photo">
  <label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
  <label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
  <label><input type="checkbox" name="personality" checked> Loving</label>
  <label><input type="checkbox" name="personality"> Lazy</label>
  <label><input type="checkbox" name="personality"> Energetic</label><br>
  <input type="text" placeholder="cat photo URL" required>
  <button type="submit">Submit</button>
</form>
</main>
```

## Use a CSS Class to Style an Element

```
<style>
  .red-text {
    color: red;
  }
</style>
<h2 class="red-text">CatPhotoApp</h2>
<main>
  <p>Click here to view more <a href="#">cat photos</a>.</p>

  <a href="#"></a>

  <div>
    <p>Things cats love:</p>
    <ul>
```

```
<li>cat nip</li>
<li>laser pointers</li>
<li>lasagna</li>
</ul>
<p>Top 3 things cats hate:</p>
<ol>
  <li>flea treatment</li>
  <li>thunder</li>
  <li>other cats</li>
</ol>
</div>
```

```
<form action="https://freecatphotoapp.com/submit-cat-photo">
  <label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
  <label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
  <label><input type="checkbox" name="personality" checked> Loving</label>
  <label><input type="checkbox" name="personality"> Lazy</label>
  <label><input type="checkbox" name="personality"> Energetic</label><br>
  <input type="text" placeholder="cat photo URL" required>
  <button type="submit">Submit</button>
</form>
</main>
```

## Style Multiple Elements with a CSS Class

```
<style>
  .red-text {
    color: red;
  }
</style>
```

```
<h2 class="red-text">CatPhotoApp</h2>
```

```
<main>
```

```
<p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>
```

```
<a href="#"></a>
```

```
<div>
```

```
<p>Things cats love:</p>
```

```
<ul>
```

```
<li>cat nip</li>
```

```
<li>laser pointers</li>
```

```
<li>lasagna</li>
```

```
</ul>
```

```
<p>Top 3 things cats hate:</p>
```

```
<ol>
```

```
<li>flea treatment</li>
```

```
<li>thunder</li>
```

```
<li>other cats</li>
```

```
</ol>
```

```
</div>
```

```
<form action="https://freecatphotoapp.com/submit-cat-photo">
```

```
<label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
```

```
<label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
```

```
<label><input type="checkbox" name="personality" checked> Loving</label>
```

```
<label><input type="checkbox" name="personality"> Lazy</label>
```

```
<label><input type="checkbox" name="personality"> Energetic</label><br>
```

```
<input type="text" placeholder="cat photo URL" required>
```

```
<button type="submit">Submit</button>

</form>

</main>
```

## Change the Font Size of an Element

```
<style>

.red-text {
  color: red;
}

p {
  font-size: 16px;
}

</style>

<h2 class="red-text">CatPhotoApp</h2>

<main>

  <p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>

  <a href="#"></a>

  <div>

    <p>Things cats love:</p>

    <ul>

      <li>cat nip</li>

      <li>laser pointers</li>

      <li>lasagna</li>

    </ul>

    <p>Top 3 things cats hate:</p>

    <ol>

      <li>flea treatment</li>

      <li>thunder</li>

      <li>other cats</li>
```

```
</ol>
```

```
</div>
```

```
<form action="https://freecatphotoapp.com/submit-cat-photo">
```

```
  <label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
```

```
  <label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
```

```
  <label><input type="checkbox" name="personality" checked> Loving</label>
```

```
  <label><input type="checkbox" name="personality"> Lazy</label>
```

```
  <label><input type="checkbox" name="personality"> Energetic</label><br>
```

```
  <input type="text" placeholder="cat photo URL" required>
```

```
  <button type="submit">Submit</button>
```

```
</form>
```

```
</main>
```

## Set the Font Family of an Element

```
<style>
```

```
  .red-text {
```

```
    color: red;
```

```
  }
```

```
  p {
```

```
    font-size: 16px;
```

```
    font-family: monospace;
```

```
  }
```

```
</style>
```

```
<h2 class="red-text">CatPhotoApp</h2>
```

```
<main>
```

```
  <p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>
```

```
  <a href="#"></a>
```

```
<div>

  <p>Things cats love:</p>

  <ul>

    <li>cat nip</li>

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    <li>lasagna</li>

  </ul>

  <p>Top 3 things cats hate:</p>

  <ol>

    <li>flea treatment</li>

    <li>thunder</li>

    <li>other cats</li>

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</div>
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```
<form action="https://freecatphotoapp.com/submit-cat-photo">

  <label><input type="radio" name="indoor-outdoor" checked> Indoor</label>

  <label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>

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  <label><input type="checkbox" name="personality"> Lazy</label>

  <label><input type="checkbox" name="personality"> Energetic</label><br>

  <input type="text" placeholder="cat photo URL" required>

  <button type="submit">Submit</button>

</form>

</main>
```



## Import a Google Font

```
<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">

<style>

  .red-text {

    color: red;

  }

  h2 {

    font-family: Lobster;

  }

  p {

    font-size: 16px;

    font-family: monospace;

  }

</style>

<h2 class="red-text">CatPhotoApp</h2>

<main>

  <p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>

  <a href="#"></a>

<div>

  <p>Things cats love:</p>

  <ul>

    <li>cat nip</li>

    <li>laser pointers</li>

    <li>lasagna</li>

  </ul>

  <p>Top 3 things cats hate:</p>

  <ol>

    <li>flea treatment</li>
```

```

    <li>thunder</li>
    <li>other cats</li>
  </ol>
</div>

<form action="https://freecatphotoapp.com/submit-cat-photo">
  <label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
  <label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
  <label><input type="checkbox" name="personality" checked> Loving</label>
  <label><input type="checkbox" name="personality"> Lazy</label>
  <label><input type="checkbox" name="personality"> Energetic</label><br>
  <input type="text" placeholder="cat photo URL" required>
  <button type="submit">Submit</button>
</form>
</main>

```

## Specify How Fonts Should Degrade

```

<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">
<style>
  .red-text {
    color: red;
  }
<!--
  h2 {
    font-family: Lobster, monospace;
  }-->
  p {
    font-size: 16px;
    font-family: monospace;}

```

```
</style>
<h2 class="red-text">CatPhotoApp</h2>
<main>
  <p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>
  <a href="#"></a>
  <div>
    <p>Things cats love:</p>
    <ul>
      <li>cat nip</li>
      <li>laser pointers</li>
      <li>lasagna</li>
    </ul>
    <p>Top 3 things cats hate:</p>
    <ol>
      <li>flea treatment</li>
      <li>thunder</li>
      <li>other cats</li>
    </ol>
  </div>
  <form action="https://freecatphotoapp.com/submit-cat-photo">
    <label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
    <label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
    <label><input type="checkbox" name="personality" checked> Loving</label>
    <label><input type="checkbox" name="personality"> Lazy</label>
    <label><input type="checkbox" name="personality"> Energetic</label><br>
    <input type="text" placeholder="cat photo URL" required>
    <button type="submit">Submit</button>
  </form>
</main>
```

## Size Your Images

```
<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">

<style>

  .red-text {

    color: red;

  }

  h2 {

    font-family: Lobster, monospace;

  }


  p {

    font-size: 16px;

    font-family: monospace;

  }

  .smaller-image {

    width: 100px;

  }

</style>

<h2 class="red-text">CatPhotoApp</h2>

<main>

  <p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>


  <a href="#"></a>


  <div>

    <p>Things cats love:</p>

    <ul>

      <li>cat nip</li>
```

<li>laser pointers</li>

<li>lasagna</li>

</ul>

<p>Top 3 things cats hate:</p>

<ol>

<li>flea treatment</li>

<li>thunder</li>

<li>other cats</li>

</ol>

</div>

<form action="https://freecatphotoapp.com/submit-cat-photo">

<label><input type="radio" name="indoor-outdoor" checked> Indoor</label>

<label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>

<label><input type="checkbox" name="personality" checked> Loving</label>

<label><input type="checkbox" name="personality"> Lazy</label>

<label><input type="checkbox" name="personality"> Energetic</label><br>

<input type="text" placeholder="cat photo URL" required>

<button type="submit">Submit</button>

</form>

</main>

## Add Borders Around Your Elements

```
<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">

<style>

  .red-text {

    color: red;

  }

  h2 {

    font-family: Lobster, monospace;

  }

  p {

    font-size: 16px;

    font-family: monospace;

  }

  .thick-green-border {

    border-color: green;

    border-width: 10px;

    border-style: solid;

  }

  .smaller-image {

    width: 100px;

  }

</style>

<h2 class="red-text">CatPhotoApp</h2>

<main>

  <p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>

  <a href="#"></a>

  <div>

    <p>Things cats love:</p>
```

```
<ul>
  <li>cat nip</li>
  <li>laser pointers</li>
  <li>lasagna</li>
</ul>
<p>Top 3 things cats hate:</p>
<ol>
  <li>flea treatment</li>
  <li>thunder</li>
  <li>other cats</li>
</ol>
</div>
```

```
<form action="https://freecatphotoapp.com/submit-cat-photo">
  <label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
  <label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
  <label><input type="checkbox" name="personality" checked> Loving</label>
  <label><input type="checkbox" name="personality"> Lazy</label>
  <label><input type="checkbox" name="personality"> Energetic</label><br>
  <input type="text" placeholder="cat photo URL" required>
  <button type="submit">Submit</button>
</form>
</main>
```

## Add Rounded Corners with border-radius

```
<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">
```

```
<style>
```

```
.red-text {  
  color: red;  
}
```

```
h2 {  
  font-family: Lobster, monospace;  
}
```

```
p {  
  font-size: 16px;  
  font-family: monospace;  
}
```

```
.thick-green-border {  
  border-color: green;  
  border-width: 10px;  
  border-style: solid;  
  border-radius: 10px;  
}
```

```
.smaller-image {  
  width: 100px;  
}
```

```
</style>
```

```
<h2 class="red-text">CatPhotoApp</h2>
```

```
<main>
```

```
<p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>
```



<a href="#"></a>

<div>

<p>Things cats love:</p>

<ul>

<li>cat nip</li>

<li>laser pointers</li>

<li>lasagna</li>

</ul>

<p>Top 3 things cats hate:</p>

<ol>

<li>flea treatment</li>

<li>thunder</li>

<li>other cats</li>

</ol>

</div>

<form action="https://freecatphotoapp.com/submit-cat-photo">

<label><input type="radio" name="indoor-outdoor" checked> Indoor</label>

<label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>

<label><input type="checkbox" name="personality" checked> Loving</label>

<label><input type="checkbox" name="personality"> Lazy</label>

<label><input type="checkbox" name="personality"> Energetic</label><br>

<input type="text" placeholder="cat photo URL" required>

<button type="submit">Submit</button>

</form>

</main>

## Make Circular Images with a border-radius

```
<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">
```

```
<style>
```

```
.red-text {  
  color: red;  
}
```

```
h2 {  
  font-family: Lobster, monospace;  
}
```

```
p {  
  font-size: 16px;  
  font-family: monospace;  
}
```

```
.thick-green-border {  
  border-color: green;  
  border-width: 10px;  
  border-style: solid;  
  border-radius: 50%;  
}
```

```
.smaller-image {  
  width: 100px;  
}
```

```
</style>
```

```
<h2 class="red-text">CatPhotoApp</h2>
```

```
<main>
```

```
<p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>
```

```
<a href="#"></a>
```

```
<div>
```

```
<p>Things cats love:</p>
```

```
<ul>
```

```
<li>cat nip</li>
```

```
<li>laser pointers</li>
```

```
<li>lasagna</li>
```

```
</ul>
```

```
<p>Top 3 things cats hate:</p>
```

```
<ol>
```

```
<li>flea treatment</li>
```

```
<li>thunder</li>
```

```
<li>other cats</li>
```

```
</ol>
```

```
</div>
```

```
<form action="https://freecatphotoapp.com/submit-cat-photo">
```

```
<label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
```

```
<label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
```

```
<label><input type="checkbox" name="personality" checked> Loving</label>
```

```
<label><input type="checkbox" name="personality"> Lazy</label>
```

```
<label><input type="checkbox" name="personality"> Energetic</label><br>
```

```
<input type="text" placeholder="cat photo URL" required>
```

```
<button type="submit">Submit</button>
```

```
</form></main>
```

## Give a Background Color to a div Element

```
<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">
```

```
<style>
```

```
.red-text {
```

```
  color: red;
```

```
}
```

```
h2 {
```

```
  font-family: Lobster, monospace;
```

```
}
```

```
p {
```

```
  font-size: 16px;
```

```
  font-family: monospace;
```

```
}
```

```
.thick-green-border {
```

```
  border-color: green;
```

```
  border-width: 10px;
```

```
  border-style: solid;
```

```
  border-radius: 50%;
```

```
}
```

```
.smaller-image {
```

```
  width: 100px;
```

```
}
```

```
.silver-background {
```

```
  background-color: silver;
```

```
}
```

```
</style>
```

```
<h2 class="red-text">CatPhotoApp</h2>
```

<main>

<p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>

<a href="#"></a>

<div class="silver-background">

<p>Things cats love:</p>

<ul>

<li>cat nip</li>

<li>laser pointers</li>

<li>lasagna</li>

</ul>

<p>Top 3 things cats hate:</p>

<ol>

<li>flea treatment</li>

<li>thunder</li>

<li>other cats</li>

</ol>

</div>

<form action="https://freecatphotoapp.com/submit-cat-photo">

<label><input type="radio" name="indoor-outdoor" checked> Indoor</label>

<label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>

<label><input type="checkbox" name="personality" checked> Loving</label>

<label><input type="checkbox" name="personality"> Lazy</label>

<label><input type="checkbox" name="personality"> Energetic</label><br>

<input type="text" placeholder="cat photo URL" required>

<button type="submit">Submit</button>

```
</form>
```

```
</main>
```

## Set the id of an Element

```
<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">
```

```
<style>
```

```
.red-text {
```

```
  color: red;
```

```
}
```

```
h2 {
```

```
  font-family: Lobster, monospace;
```

```
}
```

```
p {
```

```
  font-size: 16px;
```

```
  font-family: monospace;
```

```
}
```

```
.thick-green-border {
```

```
  border-color: green;
```

```
  border-width: 10px;
```

```
  border-style: solid;
```

```
  border-radius: 50%;
```

```
}
```

```
.smaller-image {
```

```
  width: 100px;
```

```
}
```

```
.silver-background {
  background-color: silver;
}
</style>

<h2 class="red-text">CatPhotoApp</h2>
<main>
  <p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>

  <a href="#"></a>

  <div class="silver-background">
    <p>Things cats love:</p>
    <ul>
      <li>cat nip</li>
      <li>laser pointers</li>
      <li>lasagna</li>
    </ul>
    <p>Top 3 things cats hate:</p>
    <ol>
      <li>flea treatment</li>
      <li>thunder</li>
      <li>other cats</li>
    </ol>
  </div>

  <form action="https://freecatphotoapp.com/submit-cat-photo" id="cat-photo-form">
```

```
<label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
<label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
<label><input type="checkbox" name="personality" checked> Loving</label>
<label><input type="checkbox" name="personality"> Lazy</label>
<label><input type="checkbox" name="personality"> Energetic</label><br>
<input type="text" placeholder="cat photo URL" required>
<button type="submit">Submit</button>
</form>
</main>
```

## Use an id Attribute to Style an Element

```
<style>
.injected-text {
  margin-bottom: -25px;
  text-align: center;
}

.box {
  border-style: solid;
  border-color: black;
  border-width: 5px;
  text-align: center;
}

.yellow-box {
  background-color: yellow;
  padding: 10px;
}
```



```
.red-box {  
  background-color: crimson;  
  color: #fff;  
  padding: 20px;  
}
```

```
.blue-box {  
  background-color: blue;  
  color: #fff;  
  padding: 10px;  
}
```

```
#cat-photo-form {  
  background-color: green;  
}
```

```
</style>
```

```
<h5 class="injected-text">margin</h5>
```

```
<div class="box yellow-box">
```

```
  <h5 class="box red-box">padding</h5>
```

```
  <h5 class="box blue-box">padding</h5>
```

```
</div>
```

```
<form action="submit-cat-photo" id="cat-photo-form">
```

## Adjust the Padding of an Element

<style>

```
.injected-text {  
  margin-bottom: -25px;  
  text-align: center;  
}
```

```
.box {  
  border-style: solid;  
  border-color: black;  
  border-width: 5px;  
  text-align: center;  
}
```

```
.yellow-box {  
  background-color: yellow;  
  padding: 10px;  
}
```

```
.red-box {  
  background-color: crimson;  
  color: #fff;  
  padding: 20px;  
}
```

```
.blue-box {  
  background-color: blue;  
  color: #fff;  
  padding: 20px;
```

```
}  
</style>  
<h5 class="injected-text">margin</h5>  
  
<div class="box yellow-box">  
  <h5 class="box red-box">padding</h5>  
  <h5 class="box blue-box">padding</h5>  
</div>
```

## Adjust the Margin of an Element

```
<style>  
  .injected-text {  
    margin-bottom: -25px;  
    text-align: center;  
  }  
  
  .box {  
    border-style: solid;  
    border-color: black;  
    border-width: 5px;  
    text-align: center;  
  }  
  
  .yellow-box {  
    background-color: yellow;  
    padding: 10px;  
  }
```

```
.red-box {  
  background-color: crimson;  
  color: #fff;  
  padding: 20px;  
  margin: 20px;  
}
```

```
.blue-box {  
  background-color: blue;  
  color: #fff;  
  padding: 20px;  
  margin: 20px;  
}
```

```
</style>
```

```
<h5 class="injected-text">margin</h5>
```

```
<div class="box yellow-box">
```

```
  <h5 class="box red-box">padding</h5>
```

```
  <h5 class="box blue-box">padding</h5>
```

```
</div>
```

## Add a Negative Margin to an Element

```
<style>
```

```
.injected-text {  
  margin-bottom: -25px;  
  text-align: center;  
}
```

```
.box {  
  border-style: solid;  
  border-color: black;  
  border-width: 5px;  
  text-align: center;  
}
```

```
.yellow-box {  
  background-color: yellow;  
  padding: 10px;  
}
```

```
.red-box {  
  background-color: crimson;  
  color: #fff;  
  padding-top: 40px;  
  padding-right: 20px;  
  padding-bottom: 20px;  
  padding-left: 40px;  
}
```

```
.blue-box {
```

```
background-color: blue;
color: #fff;
margin: -15px;
}
</style>
<h5 class="injected-text">margin</h5>
```

```
<div class="box yellow-box">
  <h5 class="box red-box">padding</h5>
  <h5 class="box blue-box">padding</h5>
</div>
```

## Add Different Padding to Each Side of an Element

```
<style>
.injected-text {
  margin-bottom: -25px;
  text-align: center;
}

.box {
  border-style: solid;
  border-color: black;
  border-width: 5px;
  text-align: center;
}

.yellow-box {
  background-color: yellow;
  padding: 10px;
```

```
}
```

```
.red-box {  
  background-color: crimson;  
  color: #fff;  
  margin-top: 40px;  
  margin-right: 20px;  
  margin-bottom: 20px;  
  margin-left: 40px;  
}
```

```
.blue-box {  
  background-color: blue;  
  color: #fff;  
  padding-top: 40px;  
  padding-left: 40px;  
  padding-bottom: 20px;  
  padding-right: 20px;  
}
```

```
</style>
```

```
<h5 class="injected-text">margin</h5>
```

```
<div class="box yellow-box">
```

```
  <h5 class="box red-box">padding</h5>
```

```
  <h5 class="box blue-box">padding</h5>
```

```
</div>
```

## Add Different Margins to Each Side of an Element

<style>

```
.injected-text {  
    margin-bottom: -25px;  
    text-align: center;  
}  
  
.box {  
    border-style: solid;  
    border-color: black;  
    border-width: 5px;  
    text-align: center;  
}  
  
.yellow-box {  
    background-color: yellow;  
    padding: 20px 40px 20px 40px;  
}  
  
.red-box {  
    background-color: crimson;  
    color: #fff;  
    padding: 20px 40px 20px 40px;  
}  
  
.blue-box {  
    background-color: blue;  
    color: #fff;  
    margin-top: 40px;  
    margin-left: 40px;  
    margin-right: 20px;  
    margin-bottom: 20px;
```



```
}  
</style>  
<h5 class="injected-text">margin</h5>  
  
<div class="box yellow-box">  
  <h5 class="box red-box">padding</h5>  
  <h5 class="box blue-box">padding</h5>  
</div>
```

## Use Clockwise Notation to Specify the Padding of an Element

```
<style>  
  .injected-text {  
    margin-bottom: -25px;  
    text-align: center;  
  }  
  .box {  
    border-style: solid;  
    border-color: black;  
    border-width: 5px;  
    text-align: center;  
  }  
  .yellow-box {  
    background-color: yellow;  
    padding: 10px;  
  }  
  
  .red-box {  
    background-color: crimson;  
    color: #fff;
```

```
padding-top: 40px;
padding-right: 20px;
padding-bottom: 20px;
padding-left: 40px;
}

.blue-box {
background-color: blue;
color: #fff;
padding: 40px 20px 20px 40px;
}
</style>
<h5 class="injected-text">margin</h5>

<div class="box yellow-box">
  <h5 class="box red-box">padding</h5>
  <h5 class="box blue-box">padding</h5>
</div>
```

## Use Clockwise Notation to Specify the Margin of an Element

```
<style>
.injected-text {
margin-bottom: -25px;
text-align: center;
}
.box {
border-style: solid;
border-color: black;
border-width: 5px;
```

```
    text-align: center;
}
.yellow-box {
    background-color: yellow;
    padding: 20px 40px 20px 40px;
}
.red-box {
    background-color: crimson;
    color: #fff;
    padding: 20px 40px 20px 40px;
}

.blue-box {
    background-color: blue;
    color: #fff;
    margin: 40px 20px 20px 40px;
}
</style>
<h5 class="injected-text">margin</h5>

<div class="box yellow-box">
    <h5 class="box red-box">padding</h5>
    <h5 class="box blue-box">padding</h5>
</div>
```

## Use Attribute Selectors to Style Elements

```
<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet" type="text/css">
```

```
<style>
```

```
[type='checkbox'] {  
  margin: 10px 15px 15px 15px;  
}
```

```
.red-text {  
  color: red;  
}
```

```
h2 {  
  font-family: Lobster, monospace;  
}
```

```
p {  
  font-size: 16px;  
  font-family: monospace;  
}
```

```
.thick-green-border {  
  border-color: green;  
  border-width: 10px;  
  border-style: solid;  
  border-radius: 50%;  
}
```

```
.smaller-image {  
  width: 100px;  
}
```

```
.silver-background {
```

```
background-color: silver;
}
</style>
```

```
<h2 class="red-text">CatPhotoApp</h2>
```

```
<main>
```

```
<p class="red-text">Click here to view more <a href="#">cat photos</a>.</p>
```

```
<a href="#"></a>
```

```
<div class="silver-background">
```

```
<p>Things cats love:</p>
```

```
<ul>
```

```
<li>cat nip</li>
```

```
<li>laser pointers</li>
```

```
<li>lasagna</li>
```

```
</ul>
```

```
<p>Top 3 things cats hate:</p>
```

```
<ol>
```

```
<li>flea treatment</li>
```

```
<li>thunder</li>
```

```
<li>other cats</li>
```

```
</ol>
```

```
</div>
```

```
<form action="https://freecatphotoapp.com/submit-cat-photo" id="cat-photo-form">
```

```
<label><input type="radio" name="indoor-outdoor" checked> Indoor</label>
```

```
<label><input type="radio" name="indoor-outdoor"> Outdoor</label><br>
```

```
<label><input type="checkbox" name="personality" checked> Loving</label>
<label><input type="checkbox" name="personality"> Lazy</label>
<label><input type="checkbox" name="personality"> Energetic</label><br>
<input type="text" placeholder="cat photo URL" required>
<button type="submit">Submit</button>
</form>
</main>
```

## Understand Absolute versus Relative Units

```
<style>
.injected-text {
  margin-bottom: -25px;
  text-align: center;
}
.box {
  border-style: solid;
  border-color: black;
  border-width: 5px;
  text-align: center;
}

.yellow-box {
  background-color: yellow;
  padding: 20px 40px 20px 40px;
}

.red-box {
  background-color: red;
  margin: 20px 40px 20px 40px;
```

```
padding: 1.5em;
```

```
}
```

```
.green-box {
```

```
background-color: green;
```

```
margin: 20px 40px 20px 40px;
```

```
}
```

```
</style>
```

```
<h5 class="injected-text">margin</h5>
```

```
<div class="box yellow-box">
```

```
<h5 class="box red-box">padding</h5>
```

```
<h5 class="box green-box">padding</h5>
```

```
</div>
```

## Style the HTML Body Element

```
<style>
```

```
body {
```

```
background-color: black;
```

```
}
```

```
</style>
```

## Inherit Styles from the Body Element

```
<style>
```

```
body {
```

```
background-color: black;
font-family: monospace;
color: green;
}
</style>
<h1>Hello World!</h1>
```

## Prioritize One Style Over Another

```
<style>
body {
background-color: black;
font-family: monospace;
color: green;
}
.pink-text {
color: pink;
}
</style>
<h1 class="pink-text">Hello World!</h1>
```

## Override Styles in Subsequent CSS

```
<style>
body {
background-color: black;
font-family: monospace;
color: green;
}
#orange-text {
```



```
    color: orange;
}
.pink-text {
    color: pink;
}
.blue-text {
    color: blue;
}
</style>
<h1 id="blue-text" class="pink-text blue-text">Hello World!</h1>
```

## Override Class Declarations by Styling ID Attributes

```
<style>
body {
    background-color: black;
    font-family: monospace;
    color: green;
}
#orange-text {
    color: orange;
}
.pink-text {
    color: pink;
}
.blue-text {
    color: blue;
}
</style>
<h1 id="orange-text" class="pink-text blue-text">Hello World!</h1>
```

## Override Class Declarations with Inline Styles

```
<style>
  body {
    background-color: black;
    font-family: monospace;
    color: green;
  }
  #orange-text {
    color: orange;
  }
  .pink-text {
    color: pink;
  }
  .blue-text {
    color: blue;
  }
</style>
<h1 id="orange-text" class="pink-text blue-text" style="color: white">Hello World!</h1>
```

## Override All Other Styles by using Important

```
<style>
  body {
    background-color: black;
    font-family: monospace;
    color: green;
  }
  #orange-text {
    color: orange;
  }
  .pink-text {
    color: pink;
    color: pink !important;
  }
  .blue-text {
    color: blue;
  }
</style>

<h1 id="orange-text" class="pink-text blue-text" style="color: white">Hello World!</h1>
```

## Use Hex Code for Specific Colors

```
<style>
  body {
    background-color: #000000;
```

```
}  
</style>
```

## Use Hex Code to Mix Colors

```
<style>  
  .red-text {  
    color: #FF0000;  
  }  
  .dodger-blue-text {  
    color: #1E90FF;  
  }  
  .orange-text {  
    color: #FFA500;  
  }  
  .green-text {  
    color: #00FF00;  
  }  
</style>
```

```
<h1 class="red-text">I am red!</h1>
```

```
<h1 class="dodger-blue-text">I am dodger blue!</h1>
```

```
<h1 class="orange-text">I am orange!</h1>
```

```
<h1 class="green-text">I am green!</h1>
```

## Use Abbreviated Hex Code

```
<style>
  .red-text {
    color: #F00;
  }
  .fuchsia-text {
    color: #F0F;
  }
  .cyan-text {
    color: #0FF;
  }
  .green-text {
    color: #0F0;
  }
</style>
```

```
<h1 class="red-text">I am red!</h1>
```

```
<h1 class="fuchsia-text">I am fuchsia!</h1>
```

```
<h1 class="cyan-text">I am cyan!</h1>
```

```
<h1 class="green-text">I am green!</h1>
```

## Use RGB values to Color Elements

```
<style>
  body {
    background-color: rgb(0, 0, 0);
  }
```

</style>

## Use RGB to Mix Colors

<style>

```
.red-text {  
  color: rgb(255, 0, 0);  
}
```

```
.orchid-text {  
  color: rgb(218, 112, 214);  
}
```

```
.sienna-text {  
  color: rgb(160, 82, 45);  
}
```

```
.blue-text {  
  color: rgb(0, 0, 255);  
}
```

</style>

<h1 class="red-text">I am red!</h1>

<h1 class="orchid-text">I am orchid!</h1>

<h1 class="sienna-text">I am sienna!</h1>

<h1 class="blue-text">I am blue!</h1>

## Use CSS Variables to change several elements at once

```
<style>
```

```
.penguin {  
  /* Only change code below this line */  
  --penguin-skin: gray;  
  --penguin-belly: white;  
  --penguin-beak: orange;  
  /* Only change code above this line */  
  position: relative;  
  margin: auto;  
  display: block;  
  margin-top: 5%;  
  width: 300px;  
  height: 300px;  
}
```

```
.penguin-top {  
  top: 10%;  
  left: 25%;  
  background: black;  
  width: 50%;  
  height: 45%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.penguin-bottom {  
  top: 40%;
```

```
left: 23.5%;  
background: black;  
width: 53%;  
height: 45%;  
border-radius: 70% 70% 100% 100%;  
}
```

```
.right-hand {  
top: 0%;  
left: -5%;  
background: black;  
width: 30%;  
height: 60%;  
border-radius: 30% 30% 120% 30%;  
transform: rotate(45deg);  
z-index: -1;  
}
```

```
.left-hand {  
top: 0%;  
left: 75%;  
background: black;  
width: 30%;  
height: 60%;  
border-radius: 30% 30% 30% 120%;  
transform: rotate(-45deg);  
z-index: -1;  
}
```



```
.right-cheek {  
  top: 15%;  
  left: 35%;  
  background: orange;  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.left-cheek {  
  top: 15%;  
  left: 5%;  
  background: orange;  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.belly {  
  top: 60%;  
  left: 2.5%;  
  background: var(--penguin-skin, white);  
  width: 95%;  
  height: 100%;  
  border-radius: 120% 120% 100% 100%;  
}
```

```
.right-feet {  
  top: 85%;
```

```
left: 60%;  
background: orange;  
width: 15%;  
height: 30%;  
border-radius: 50% 50% 50% 50%;  
transform: rotate(-80deg);  
z-index: -2222;  
}
```

```
.left-feet {  
top: 85%;  
left: 25%;  
background: orange;  
width: 15%;  
height: 30%;  
border-radius: 50% 50% 50% 50%;  
transform: rotate(80deg);  
z-index: -2222;  
}
```

```
.right-eye {  
top: 45%;  
left: 60%;  
background: green;  
width: 15%;  
height: 17%;  
border-radius: 50%;  
}
```

```
.left-eye {  
  top: 45%;  
  left: 25%;  
  background: green;  
  width: 15%;  
  height: 17%;  
  border-radius: 50%;  
}
```

```
.sparkle {  
  top: 25%;  
  left: 15%;  
  background: orange;  
  width: 35%;  
  height: 35%;  
  border-radius: 50%;  
}
```

```
.blush-right {  
  top: 65%;  
  left: 15%;  
  background: pink;  
  width: 15%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.blush-left {  
  top: 65%;
```

```
left: 70%;  
background: pink;  
width: 15%;  
height: 10%;  
border-radius: 50%;  
}
```

```
.beak-top {  
top: 60%;  
left: 40%;  
background: orange;  
width: 20%;  
height: 10%;  
border-radius: 50%;  
}
```

```
.beak-bottom {  
top: 65%;  
left: 42%;  
background: var(--penguin-skin, orange);  
width: 16%;  
height: 10%;  
border-radius: 50%;  
}
```

```
body {  
background: #c6faf1;  
}
```

```
.penguin * {  
    position: absolute;  
}  
</style>  
<div class="penguin">  
    <div class="penguin-bottom">  
        <div class="right-hand"></div>  
        <div class="left-hand"></div>  
        <div class="right-feet"></div>  
        <div class="left-feet"></div>  
    </div>  
    <div class="penguin-top">  
        <div class="right-cheek"></div>  
        <div class="left-cheek"></div>  
        <div class="belly"></div>  
        <div class="right-eye">  
            <div class="sparkle"></div>  
        </div>  
        <div class="left-eye">  
            <div class="sparkle"></div>  
        </div>  
        <div class="blush-right"></div>  
        <div class="blush-left"></div>  
        <div class="beak-top"></div>  
        <div class="beak-bottom"></div>  
    </div>  
</div>
```

## Create a custom CSS Variable

```
<style>
```

```
.penguin {  
  --penguin-skin: gray;  
  position: relative;  
  margin: auto;  
  display: block;  
  margin-top: 5%;  
  width: 300px;  
  height: 300px;  
}
```

```
.penguin-top {  
  top: 10%;  
  left: 25%;
```

```
/* Change code below this line */
```

```
background: black;
```

```
/* Change code above this line */
```

```
width: 50%;
```

```
height: 45%;
```

```
border-radius: 70% 70% 60% 60%;
```

```
}
```

```
.penguin-bottom {
```

```
  top: 40%;
```

```
  left: 23.5%;
```

```
/* Change code below this line */
```

```
background: black;
```

```
/* Change code above this line */
```

```
width: 53%;
```

```
height: 45%;
```

```
border-radius: 70% 70% 100% 100%;
```

```
}
```

```
.right-hand {
```

```
top: 0%;
```

```
left: -5%;
```

```
/* Change code below this line */
```

```
background: black;
```

```
/* Change code above this line */
```

```
width: 30%;
```

```
height: 60%;
```

```
border-radius: 30% 30% 120% 30%;
```

```
transform: rotate(45deg);
```

```
z-index: -1;
```

```
}
```

```
.left-hand {
```

```
top: 0%;
```

```
left: 75%;
```

```
/* Change code below this line */
```

```
background: black;

/* Change code above this line */

width: 30%;
height: 60%;
border-radius: 30% 30% 30% 120%;
transform: rotate(-45deg);
z-index: -1;
}
```

```
.right-cheek {
  top: 15%;
  left: 35%;
  background: white;
  width: 60%;
  height: 70%;
  border-radius: 70% 70% 60% 60%;
}
```

```
.left-cheek {
  top: 15%;
  left: 5%;
  background: white;
  width: 60%;
  height: 70%;
  border-radius: 70% 70% 60% 60%;
}
```

```
.belly {
```



```
top: 60%;  
left: 2.5%;  
background: white;  
width: 95%;  
height: 100%;  
border-radius: 120% 120% 100% 100%;  
}
```

```
.right-feet {  
top: 85%;  
left: 60%;  
background: orange;  
width: 15%;  
height: 30%;  
border-radius: 50% 50% 50% 50%;  
transform: rotate(-80deg);  
z-index: -2222;  
}
```

```
.left-feet {  
top: 85%;  
left: 25%;  
background: orange;  
width: 15%;  
height: 30%;  
border-radius: 50% 50% 50% 50%;  
transform: rotate(80deg);  
z-index: -2222;  
}
```

```
.right-eye {  
  top: 45%;  
  left: 60%;  
  background: black;  
  width: 15%;  
  height: 17%;  
  border-radius: 50%;  
}
```

```
.left-eye {  
  top: 45%;  
  left: 25%;  
  background: black;  
  width: 15%;  
  height: 17%;  
  border-radius: 50%;  
}
```

```
.sparkle {  
  top: 25%;  
  left: 15%;  
  background: white;  
  width: 35%;  
  height: 35%;  
  border-radius: 50%;  
}
```

```
.blush-right {
```

```
top: 65%;  
left: 15%;  
background: pink;  
width: 15%;  
height: 10%;  
border-radius: 50%;  
}
```

```
.blush-left {  
top: 65%;  
left: 70%;  
background: pink;  
width: 15%;  
height: 10%;  
border-radius: 50%;  
}
```

```
.beak-top {  
top: 60%;  
left: 40%;  
background: orange;  
width: 20%;  
height: 10%;  
border-radius: 50%;  
}
```

```
.beak-bottom {  
top: 65%;  
left: 42%;
```

```
background: orange;
width: 16%;
height: 10%;
border-radius: 50%;
}
```

```
body {
background:#c6faf1;
}
```

```
.penguin * {
position: absolute;
}
```

```
</style>
```

```
<div class="penguin">
```

```
<div class="penguin-bottom">
  <div class="right-hand"></div>
  <div class="left-hand"></div>
  <div class="right-feet"></div>
  <div class="left-feet"></div>
</div>
```

```
<div class="penguin-top">
  <div class="right-cheek"></div>
  <div class="left-cheek"></div>
  <div class="belly"></div>
  <div class="right-eye">
    <div class="sparkle"></div>
  </div>
```

```
<div class="left-eye">
```

```
<div class="sparkle"></div>
</div>
<div class="blush-right"></div>
<div class="blush-left"></div>
<div class="beak-top"></div>
<div class="beak-bottom"></div>
</div>
</div>
```

## Use a custom CSS Variable

```
<style>
.penguin {
  --penguin-skin: black;
  --penguin-belly: gray;
  --penguin-beak: yellow;
  position: relative;
  margin: auto;
  display: block;
  margin-top: 5%;
  width: 300px;
  height: 300px;
}

.penguin-top {
  top: 10%;
  left: 25%;

  /* Change code below this line */
}
```

```
background: var(--penguin-skin);  
/* Change code above this line */  
  
width: 50%;  
height: 45%;  
border-radius: 70% 70% 60% 60%;  
}
```

```
.penguin-bottom {  
  top: 40%;  
  left: 23.5%;  
/* Change code below this line */  
  background: var(--penguin-skin);  
/* Change code above this line */  
  
width: 53%;  
height: 45%;  
border-radius: 70% 70% 100% 100%;  
}
```

```
.right-hand {  
  top: 0%;  
  left: -5%;  
/* Change code below this line */  
  background: var(--penguin-skin);  
/* Change code above this line */  
width: 30%;  
height: 60%;  
border-radius: 30% 30% 120% 30%;
```

```
transform: rotate(45deg);  
z-index: -1;  
}
```

```
.left-hand {  
  top: 0%;  
  left: 75%;  
  /* Change code below this line */  
  background: var(--penguin-skin);  
  /* Change code above this line */  
  width: 30%;  
  height: 60%;  
  border-radius: 30% 30% 30% 120%;  
  transform: rotate(-45deg);  
  z-index: -1;  
}
```

```
.right-cheek {  
  top: 15%;  
  left: 35%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.left-cheek {  
  top: 15%;  
  left: 5%;
```

```
background: var(--penguin-belly, white);  
width: 60%;  
height: 70%;  
border-radius: 70% 70% 60% 60%;  
}
```

```
.belly {  
top: 60%;  
left: 2.5%;  
background: var(--penguin-belly, white);  
width: 95%;  
height: 100%;  
border-radius: 120% 120% 100% 100%;  
}
```

```
.right-feet {  
top: 85%;  
left: 60%;  
background: var(--penguin-beak, orange);  
width: 15%;  
height: 30%;  
border-radius: 50% 50% 50% 50%;  
transform: rotate(-80deg);  
z-index: -2222;  
}
```

```
.left-feet {  
top: 85%;  
left: 25%;
```



```
background: var(--penguin-beak, orange);  
width: 15%;  
height: 30%;  
border-radius: 50% 50% 50% 50%;  
transform: rotate(80deg);  
z-index: -2222;  
}
```

```
.right-eye {  
top: 45%;  
left: 60%;  
background: black;  
width: 15%;  
height: 17%;  
border-radius: 50%;  
}
```

```
.left-eye {  
top: 45%;  
left: 25%;  
background: black;  
width: 15%;  
height: 17%;  
border-radius: 50%;  
}
```

```
.sparkle {  
top: 25%;  
left: 15%;
```

```
background: white;
width: 35%;
height: 35%;
border-radius: 50%;
}
```

```
.blush-right {
top: 65%;
left: 15%;
background: pink;
width: 15%;
height: 10%;
border-radius: 50%;
}
```

```
.blush-left {
top: 65%;
left: 70%;
background: pink;
width: 15%;
height: 10%;
border-radius: 50%;
}
```

```
.beak-top {
top: 60%;
left: 40%;
background: var(--penguin-beak, orange);
width: 20%;
```

```
height: 10%;  
border-radius: 50%;  
}
```

```
.beak-bottom {  
top: 65%;  
left: 42%;  
background: var(--penguin-beak, orange);  
width: 16%;  
height: 10%;  
border-radius: 50%;  
}
```

```
body {  
background: #c6faf1;  
}
```

```
.penguin * {  
position: absolute;  
}
```

```
</style>
```

```
<div class="penguin">
```

```
<div class="penguin-bottom">
```

```
<div class="right-hand"></div>
```

```
<div class="left-hand"></div>
```

```
<div class="right-feet"></div>
```

```
<div class="left-feet"></div>
```

```
</div>
```

```
<div class="penguin-top">
```

```
<div class="right-cheek"></div>
<div class="left-cheek"></div>
<div class="belly"></div>
<div class="right-eye">
  <div class="sparkle"></div>
</div>
<div class="left-eye">
  <div class="sparkle"></div>
</div>
<div class="blush-right"></div>
<div class="blush-left"></div>
<div class="beak-top"></div>
<div class="beak-bottom"></div>
</div>
</div>
```

## Attach a Fallback value to a CSS Variable

```
<style>
.penguin {
  --penguin-skin: black;
  --penguin-belly: gray;
  --penguin-beak: yellow;
  position: relative;
  margin: auto;
  display: block;
  margin-top: 5%;
```

```
width: 300px;
height: 300px;
}
```

```
.penguin-top {
top: 10%;
left: 25%;
```

```
/* Change code below this line */
background: var(--penguun-skin, black);
/* Change code above this line */
```

```
width: 50%;
height: 45%;
border-radius: 70% 70% 60% 60%;
}
```

```
.penguin-bottom {
top: 40%;
left: 23.5%;
```

```
/* Change code below this line */
background: var(--penguun-skin, black);
/* Change code above this line */
```

```
width: 53%;
height: 45%;
border-radius: 70% 70% 100% 100%;
}
```

```
.right-hand {  
  top: 0%;  
  left: -5%;  
  background: var(--penguin-skin, black);  
  width: 30%;  
  height: 60%;  
  border-radius: 30% 30% 120% 30%;  
  transform: rotate(45deg);  
  z-index: -1;  
}
```

```
.left-hand {  
  top: 0%;  
  left: 75%;  
  background: var(--penguin-skin, black);  
  width: 30%;  
  height: 60%;  
  border-radius: 30% 30% 30% 120%;  
  transform: rotate(-45deg);  
  z-index: -1;  
}
```

```
.right-cheek {  
  top: 15%;  
  left: 35%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;
```

```
border-radius: 70% 70% 60% 60%;  
}
```

```
.left-cheek {  
  top: 15%;  
  left: 5%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.belly {  
  top: 60%;  
  left: 2.5%;  
  background: var(--penguin-belly, white);  
  width: 95%;  
  height: 100%;  
  border-radius: 120% 120% 100% 100%;  
}
```

```
.right-feet {  
  top: 85%;  
  left: 60%;  
  background: var(--penguin-beak, orange);  
  width: 15%;  
  height: 30%;  
  border-radius: 50% 50% 50% 50%;  
  transform: rotate(-80deg);  
}
```

```
z-index: -2222;  
}
```

```
.left-feet {  
  top: 85%;  
  left: 25%;  
  background: var(--penguin-beak, orange);  
  width: 15%;  
  height: 30%;  
  border-radius: 50% 50% 50% 50%;  
  transform: rotate(80deg);  
  z-index: -2222;  
}
```

```
.right-eye {  
  top: 45%;  
  left: 60%;  
  background: black;  
  width: 15%;  
  height: 17%;  
  border-radius: 50%;  
}
```

```
.left-eye {  
  top: 45%;  
  left: 25%;  
  background: black;  
  width: 15%;  
  height: 17%;
```



```
border-radius: 50%;  
}
```

```
.sparkle {  
  top: 25%;  
  left: 15%;  
  background: white;  
  width: 35%;  
  height: 35%;  
  border-radius: 50%;  
}
```

```
.blush-right {  
  top: 65%;  
  left: 15%;  
  background: pink;  
  width: 15%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.blush-left {  
  top: 65%;  
  left: 70%;  
  background: pink;  
  width: 15%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.beak-top {  
  top: 60%;  
  left: 40%;  
  background: var(--penguin-beak, orange);  
  width: 20%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.beak-bottom {  
  top: 65%;  
  left: 42%;  
  background: var(--penguin-beak, orange);  
  width: 16%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
body {  
  background: #c6faf1;  
}
```

```
.penguin * {  
  position: absolute;  
}
```

</style>

<div class="penguin">

<div class="penguin-bottom">

```
<div class="right-hand"></div>
<div class="left-hand"></div>
<div class="right-feet"></div>
<div class="left-feet"></div>
</div>
<div class="penguin-top">
  <div class="right-cheek"></div>
  <div class="left-cheek"></div>
  <div class="belly"></div>
  <div class="right-eye">
    <div class="sparkle"></div>
  </div>
  <div class="left-eye">
    <div class="sparkle"></div>
  </div>
  <div class="blush-right"></div>
  <div class="blush-left"></div>
  <div class="beak-top"></div>
  <div class="beak-bottom"></div>
</div>
</div>
```

## Improve Compatibility with Browser Fallbacks

```
<style>
:root {
  --red-color: red;
}
.red-box {
```

```
background: red;

background: var(--red-color);

height: 200px;

width:200px;

}

</style>

<div class="red-box"></div>
```

## Inherit CSS Variables

```
<style>

:root {

  --penguin-belly: pink;

}

body {

  background: var(--penguin-belly, #c6faf1);

}


.penguin {

  --penguin-skin: gray;

  --penguin-beak: orange;

  position: relative;

  margin: auto;

  display: block;

  margin-top: 5%;

  width: 300px;

  height: 300px;

}
```

```
.right-cheek {  
  top: 15%;  
  left: 35%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.left-cheek {  
  top: 15%;  
  left: 5%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.belly {  
  top: 60%;  
  left: 2.5%;  
  background: var(--penguin-belly, white);  
  width: 95%;  
  height: 100%;  
  border-radius: 120% 120% 100% 100%;  
}
```

```
.penguin-top {  
  top: 10%;
```

```
left: 25%;  
background: var(--penguin-skin, gray);  
width: 50%;  
height: 45%;  
border-radius: 70% 70% 60% 60%;  
}
```

```
.penguin-bottom {  
top: 40%;  
left: 23.5%;  
background: var(--penguin-skin, gray);  
width: 53%;  
height: 45%;  
border-radius: 70% 70% 100% 100%;  
}
```

```
.right-hand {  
top: 0%;  
left: -5%;  
background: var(--penguin-skin, gray);  
width: 30%;  
height: 60%;  
border-radius: 30% 30% 120% 30%;  
transform: rotate(45deg);  
z-index: -1;  
}
```

```
.left-hand {  
top: 0%;
```

```
left: 75%;  
background: var(--penguin-skin, gray);  
width: 30%;  
height: 60%;  
border-radius: 30% 30% 30% 120%;  
transform: rotate(-45deg);  
z-index: -1;  
}
```

```
.right-feet {  
top: 85%;  
left: 60%;  
background: var(--penguin-beak, orange);  
width: 15%;  
height: 30%;  
border-radius: 50% 50% 50% 50%;  
transform: rotate(-80deg);  
z-index: -2222;  
}
```

```
.left-feet {  
top: 85%;  
left: 25%;  
background: var(--penguin-beak, orange);  
width: 15%;  
height: 30%;  
border-radius: 50% 50% 50% 50%;  
transform: rotate(80deg);  
z-index: -2222;
```

```
}
```

```
.right-eye {  
  top: 45%;  
  left: 60%;  
  background: black;  
  width: 15%;  
  height: 17%;  
  border-radius: 50%;  
}
```

```
.left-eye {  
  top: 45%;  
  left: 25%;  
  background: black;  
  width: 15%;  
  height: 17%;  
  border-radius: 50%;  
}
```

```
.sparkle {  
  top: 25%;  
  left: 15%;  
  background: white;  
  width: 35%;  
  height: 35%;  
  border-radius: 50%;  
}
```



```
.blush-right {  
  top: 65%;  
  left: 15%;  
  background: pink;  
  width: 15%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.blush-left {  
  top: 65%;  
  left: 70%;  
  background: pink;  
  width: 15%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.beak-top {  
  top: 60%;  
  left: 40%;  
  background: var(--penguin-beak, orange);  
  width: 20%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.beak-bottom {  
  top: 65%;
```

```
left: 42%;  
background: var(--penguin-beak, orange);  
width: 16%;  
height: 10%;  
border-radius: 50%;  
}
```

```
.penguin * {  
  position: absolute;  
}
```

```
</style>
```

```
<div class="penguin">
```

```
  <div class="penguin-bottom">
```

```
    <div class="right-hand"></div>
```

```
    <div class="left-hand"></div>
```

```
    <div class="right-feet"></div>
```

```
    <div class="left-feet"></div>
```

```
  </div>
```

```
  <div class="penguin-top">
```

```
    <div class="right-cheek"></div>
```

```
    <div class="left-cheek"></div>
```

```
    <div class="belly"></div>
```

```
    <div class="right-eye">
```

```
      <div class="sparkle"></div>
```

```
    </div>
```

```
    <div class="left-eye">
```

```
      <div class="sparkle"></div>
```

```
    </div>
```

```
    <div class="blush-right"></div>
```

```
<div class="blush-left"></div>

<div class="beak-top"></div>

<div class="beak-bottom"></div>

</div>

</div>
```

## Change a variable for a specific area

```
<style>

:root {

  --penguin-size: 300px;

  --penguin-skin: gray;

  --penguin-belly: white;

  --penguin-beak: orange;

}

@media (max-width: 350px) {

  :root {

  }

}

.penguin {

  position: relative;

  margin: auto;

  display: block;

  margin-top: 5%;

  width: var(--penguin-size, 300px);

  height: var(--penguin-size, 300px);

  --penguin-belly: white;
```

```
}
```

```
.right-cheek {  
  top: 15%;  
  left: 35%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.left-cheek {  
  top: 15%;  
  left: 5%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.belly {  
  top: 60%;  
  left: 2.5%;  
  background: var(--penguin-belly, white);  
  width: 95%;  
  height: 100%;  
  border-radius: 120% 120% 100% 100%;  
}
```

```
.penguin-top {  
  top: 10%;  
  left: 25%;  
  background: var(--penguin-skin, gray);  
  width: 50%;  
  height: 45%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.penguin-bottom {  
  top: 40%;  
  left: 23.5%;  
  background: var(--penguin-skin, gray);  
  width: 53%;  
  height: 45%;  
  border-radius: 70% 70% 100% 100%;  
}
```

```
.right-hand {  
  top: 5%;  
  left: 25%;  
  background: var(--penguin-skin, black);  
  width: 30%;  
  height: 60%;  
  border-radius: 30% 30% 120% 30%;  
  transform: rotate(130deg);  
  z-index: -1;  
  animation-duration: 3s;  
  animation-name: wave;
```

```
animation-iteration-count: infinite;
transform-origin:0% 0%;
animation-timing-function: linear;
}
```

```
@keyframes wave {
  10% {
    transform: rotate(110deg);
  }
  20% {
    transform: rotate(130deg);
  }
  30% {
    transform: rotate(110deg);
  }
  40% {
    transform: rotate(130deg);
  }
}
```

```
.left-hand {
  top: 0%;
  left: 75%;
  background: var(--penguin-skin, gray);
  width: 30%;
  height: 60%;
  border-radius: 30% 30% 30% 120%;
  transform: rotate(-45deg);
  z-index: -1;
```

```
}
```

```
.right-feet {  
  top: 85%;  
  left: 60%;  
  background: var(--penguin-beak, orange);  
  width: 15%;  
  height: 30%;  
  border-radius: 50% 50% 50% 50%;  
  transform: rotate(-80deg);  
  z-index: -2222;  
}
```

```
.left-feet {  
  top: 85%;  
  left: 25%;  
  background: var(--penguin-beak, orange);  
  width: 15%;  
  height: 30%;  
  border-radius: 50% 50% 50% 50%;  
  transform: rotate(80deg);  
  z-index: -2222;  
}
```

```
.right-eye {  
  top: 45%;  
  left: 60%;  
  background: black;  
  width: 15%;
```

```
height: 17%;  
border-radius: 50%;  
}
```

```
.left-eye {  
top: 45%;  
left: 25%;  
background: black;  
width: 15%;  
height: 17%;  
border-radius: 50%;  
}
```

```
.sparkle {  
top: 25%;  
left: -23%;  
background: white;  
width: 150%;  
height: 100%;  
border-radius: 50%;  
}
```

```
.blush-right {  
top: 65%;  
left: 15%;  
background: pink;  
width: 15%;  
height: 10%;  
border-radius: 50%;
```



```
}
```

```
.blush-left {  
  top: 65%;  
  left: 70%;  
  background: pink;  
  width: 15%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.beak-top {  
  top: 60%;  
  left: 40%;  
  background: var(--penguin-beak, orange);  
  width: 20%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.beak-bottom {  
  top: 65%;  
  left: 42%;  
  background: var(--penguin-beak, orange);  
  width: 16%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
body {  
  background:#c6faf1;  
}
```

```
.penguin * {  
  position: absolute;  
}
```

```
</style>
```

```
<div class="penguin">
```

```
  <div class="penguin-bottom">
```

```
    <div class="right-hand"></div>
```

```
    <div class="left-hand"></div>
```

```
    <div class="right-feet"></div>
```

```
    <div class="left-feet"></div>
```

```
  </div>
```

```
  <div class="penguin-top">
```

```
    <div class="right-cheek"></div>
```

```
    <div class="left-cheek"></div>
```

```
    <div class="belly"></div>
```

```
    <div class="right-eye">
```

```
      <div class="sparkle"></div>
```

```
    </div>
```

```
    <div class="left-eye">
```

```
      <div class="sparkle"></div>
```

```
    </div>
```

```
    <div class="blush-right"></div>
```

```
    <div class="blush-left"></div>
```

```
    <div class="beak-top"></div>
```

```
    <div class="beak-bottom"></div>
```

```
</div>
```

```
</div>
```

## Use a media query to change a variable

```
<style>
```

```
:root {  
  --penguin-size: 300px;  
  --penguin-skin: gray;  
  --penguin-belly: white;  
  --penguin-beak: orange;  
}
```

```
@media (max-width: 350px) {  
  :root {  
    --penguin-size: 200px;  
    --penguin-skin: black;  
  }  
}
```

```
.penguin {  
  position: relative;  
  margin: auto;  
  display: block;  
  margin-top: 5%;  
  width: var(--penguin-size, 300px);  
  height: var(--penguin-size, 300px);  
}
```

```
.right-cheek {  
  top: 15%;  
  left: 35%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.left-cheek {  
  top: 15%;  
  left: 5%;  
  background: var(--penguin-belly, white);  
  width: 60%;  
  height: 70%;  
  border-radius: 70% 70% 60% 60%;  
}
```

```
.belly {  
  top: 60%;  
  left: 2.5%;  
  background: var(--penguin-belly, white);  
  width: 95%;  
  height: 100%;  
  border-radius: 120% 120% 100% 100%;  
}
```

```
.penguin-top {  
  top: 10%;
```

```
left: 25%;  
background: var(--penguin-skin, gray);  
width: 50%;  
height: 45%;  
border-radius: 70% 70% 60% 60%;  
}
```

```
.penguin-bottom {  
top: 40%;  
left: 23.5%;  
background: var(--penguin-skin, gray);  
width: 53%;  
height: 45%;  
border-radius: 70% 70% 100% 100%;  
}
```

```
.right-hand {  
top: 5%;  
left: 25%;  
background: var(--penguin-skin, black);  
width: 30%;  
height: 60%;  
border-radius: 30% 30% 120% 30%;  
transform: rotate(130deg);  
z-index: -1;  
animation-duration: 3s;  
animation-name: wave;  
animation-iteration-count: infinite;  
transform-origin: 0% 0%;
```

```
animation-timing-function: linear;
}
```

```
@keyframes wave {
  10% {
    transform: rotate(110deg);
  }
  20% {
    transform: rotate(130deg);
  }
  30% {
    transform: rotate(110deg);
  }
  40% {
    transform: rotate(130deg);
  }
}
```

```
.left-hand {
  top: 0%;
  left: 75%;
  background: var(--penguin-skin, gray);
  width: 30%;
  height: 60%;
  border-radius: 30% 30% 30% 120%;
  transform: rotate(-45deg);
  z-index: -1;
}
```

```
.right-feet {  
  top: 85%;  
  left: 60%;  
  background: var(--penguin-beak, orange);  
  width: 15%;  
  height: 30%;  
  border-radius: 50% 50% 50% 50%;  
  transform: rotate(-80deg);  
  z-index: -2222;  
}
```

```
.left-feet {  
  top: 85%;  
  left: 25%;  
  background: var(--penguin-beak, orange);  
  width: 15%;  
  height: 30%;  
  border-radius: 50% 50% 50% 50%;  
  transform: rotate(80deg);  
  z-index: -2222;  
}
```

```
.right-eye {  
  top: 45%;  
  left: 60%;  
  background: black;  
  width: 15%;  
  height: 17%;  
  border-radius: 50%;
```

```
}
```

```
.left-eye {  
  top: 45%;  
  left: 25%;  
  background: black;  
  width: 15%;  
  height: 17%;  
  border-radius: 50%;  
}
```

```
.sparkle {  
  top: 25%;  
  left: -23%;  
  background: white;  
  width: 150%;  
  height: 100%;  
  border-radius: 50%;  
}
```

```
.blush-right {  
  top: 65%;  
  left: 15%;  
  background: pink;  
  width: 15%;  
  height: 10%;  
  border-radius: 50%;  
}
```



```
.blush-left {  
  top: 65%;  
  left: 70%;  
  background: pink;  
  width: 15%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.beak-top {  
  top: 60%;  
  left: 40%;  
  background: var(--penguin-beak, orange);  
  width: 20%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
.beak-bottom {  
  top: 65%;  
  left: 42%;  
  background: var(--penguin-beak, orange);  
  width: 16%;  
  height: 10%;  
  border-radius: 50%;  
}
```

```
body {  
  background: #c6faf1;
```

```
}
```

```
.penguin * {  
  position: absolute;  
}
```

```
</style>
```

```
<div class="penguin">
```

```
  <div class="penguin-bottom">
```

```
    <div class="right-hand"></div>
```

```
    <div class="left-hand"></div>
```

```
    <div class="right-feet"></div>
```

```
    <div class="left-feet"></div>
```

```
  </div>
```

```
  <div class="penguin-top">
```

```
    <div class="right-cheek"></div>
```

```
    <div class="left-cheek"></div>
```

```
    <div class="belly"></div>
```

```
    <div class="right-eye">
```

```
      <div class="sparkle"></div>
```

```
    </div>
```

```
    <div class="left-eye">
```

```
      <div class="sparkle"></div>
```

```
    </div>
```

```
    <div class="blush-right"></div>
```

```
    <div class="blush-left"></div>
```

```
    <div class="beak-top"></div>
```

```
    <div class="beak-bottom"></div>
```

```
  </div>
```

```
</div>
```

