

Fixing page style problems

PROBLEM

The **ul>** padding is being applied to the navigation and ingredients.

We need a way to add padding to **one** but not the other.



Recipe World



Home Recipes Suggest

Magic Cake

Magic Cake is one of the tastiest cakes the world has ever known. Few have tried it and live We also need to stress that whatever happens to you as a result of consuming Magic Cake is view our legal page for more information.

Ingredients



2 eggs 1 pound of sugar 3 sticks of butter

Directions

- 1. Mix eggs, sugar, and butter in a large bowl.
- 2. Spread into a non-stick dish
- 3. Bake at 350 degrees for 1 hour
- 4. Let sit at room temperature for 20 minutes
- 5. Eat and enjoy!



Using classes to differentiate between tags

Add a **class** attribute to an HTML tag so that you can access it directly in CSS...

```
...
```

... then access this class in CSS by putting a period in front of the class name.

```
.nav {
  padding-left: 0;
}
```

```
padding-left is gone from the nav (ul)
```

padding-left remains on the ingredients (ul)

Recipe World

Home Recipes Suggest

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Ingredients

2 eggs 1 pound of sugar 3 sticks of butter



Using classes in descendent selectors

Classes can be used interchangeably with tags, so the way descendant selectors work doesn't change.

```
.nav a {
  color: #0000af;
  text-decoration: none;
}
```

This selector says find all a tags that are children of any tag with a class of "nav", and set the color to blue and turn off the underline.



Using classes to differentiate between tags

Problem: We don't want the ingredients list to display inline

our current rule for list items

```
ul li {
  display: inline;
}
```

should be the default block-level, not inline



Home Recipes Suggest

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Ingredients

2 eggs 1 pound of sugar 3 sticks of butter

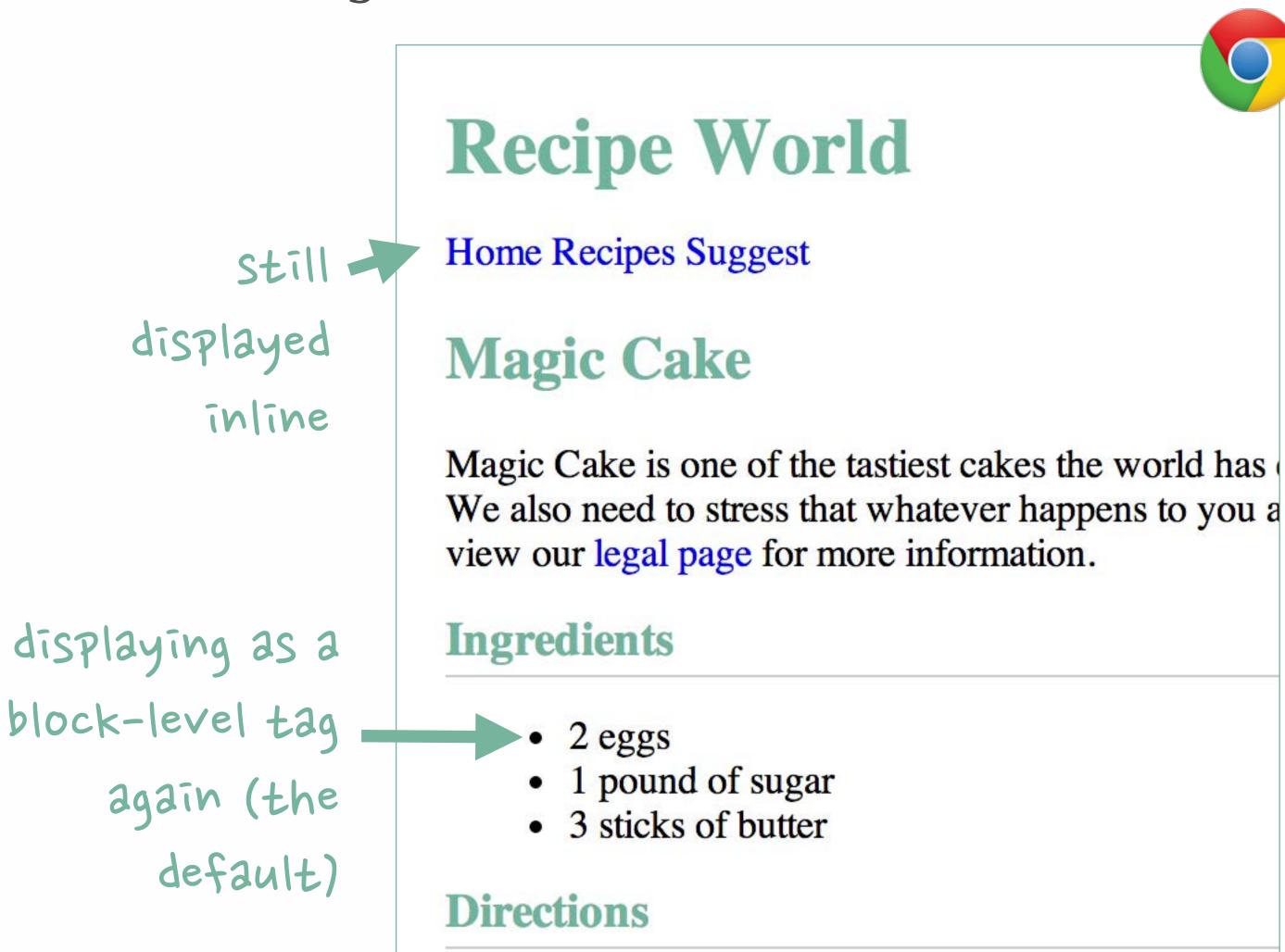




Using classes to differentiate between tags

Classes can be used interchangeably with tags, so the way descendant selectors work doesn't change.

```
ul li {
  dispiratione;
}
.nav li {
  display: inline;
}
```



Writing class and type selectors in the right order

When you're just using type selectors, the order doesn't really matter.

When you start combining them with class selectors - the order matters.

```
CSS
.nav
  padding-left: 0;
}
             Padding-left!!!
ul {
  padding: 0 0 0 50px;
```

```
Padding for .nav before ul rule padding-left: 0;
```

```
Padding for .nav after ul rule padding-left: 50px;
```

This **ul** padding overrides the **.nav** padding because it comes <u>after</u> the **.nav** in the stylesheet.



Writing class and type selectors in the right order

Generally speaking, first declare the broadest rules with type selectors, and then get more specific with class selectors.

```
flip them so the ul comes first, and then the .nav
```

```
CSS
             broader
 padding: 0 0 0 50px;
             more specific
.nav {
  padding-left: 0;
```

```
Padding for .nav
before .nav rule
padding-left: 50px;
```

```
Padding after .nav rule padding-left: 0;
```

This way, the <u>broader rules</u> **cascade** down and become defaults, and <u>more specific</u> rules can change the defaults.



Creating a page that lists all recipes

Our recipes.html page will have a list of links to individual recipe pages.

recipes.html

```
HTML
<html>
 <head>
                               right now, this page just has
 </head>
                               the main site navigation and an
 <body>
                               hz describing the page content
   <h1>Recipe World</h1>
   <a href="home.html">Home</a>
     <a href="recipes.html">Recipes</a>
     <a href="suggest.html">Suggest</a>
   <h2>Recipes</h2>
 </body>
</html>
```



Creating the list of recipes

The list of recipes can be an unordered list where each list item contains a few other block-level tags and a link to the individual recipe page.

recipes.html

```
HTML
<h2>Recipes</h2>
ul>
 <1i>>
   <h3><a href="magic-cake.html">Magic Cake</a></h3>
   This is a dangerously delicious cake.
 copy this general structure for each recipe
 <1i><1i></1i>
```



The recipes page has a problem

Problem:

None of our styles are in <u>recipes.html</u> because we put our CSS in the <head> of <u>magic-cake.html</u>.

Solution:

We need to put our CSS in a separate file and link that file to each of our HTML pages.

Recipe World



- Home
- Recipes
- Suggest

all of our cSS rules are missing

Recipes

Magic Cake

This is a dangerously delicious cake.

Tacosaurus Mex

It's always taco night somewhere!

Florida Omelette

Omelette you in on a little secret - this is one tasty egg.

Mystery-Wich



Move the CSS into a single file

Here we've created a single file called main.css so we have one place to put all of our CSS.

```
magic-cake.html
                       HTML
<html>
  <head>
    <style type="text/css">
        color: red;
      all other styles
    </style>
  </head>
</html>
```

```
main.css

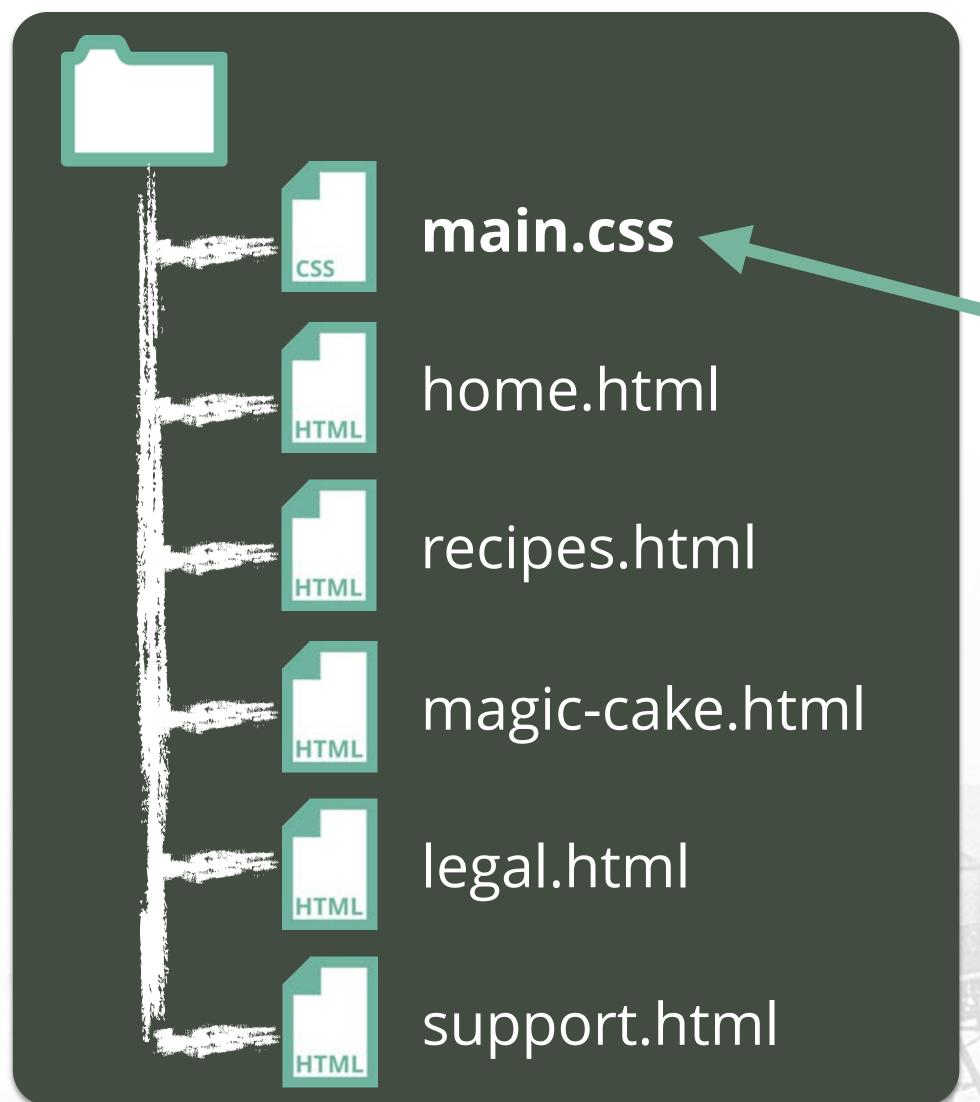
CSS
```

Move all of the selectors and rules into the CSS file, but **not** the HTML <style> tag.



Visualizing our site files

Recipe World server files



main.css will hold all of our CSS and be linked in the <head> of every page.

```
main.css

a {
   color: red;
}
all other styles
```



While CSS can be written inside of a **<style>** tag in an HTML file, most of the time it's written in a separate file and connected to the HTML file with a **link** tag.

recipes.html

```
<html>
<html>
<head>
<head>
<head>
<body>
<html>
</html>
```

The link tag should be a child of the head tag

The link tag is an **empty** tag, meaning it is written with only an opening tag and has no closing tag.





Since the tag is empty, the way you use it is by setting different attributes.

recipes.html

The **type** attribute set to **text/css** lets the browser know we're going to be loading a CSS file.



Since the tag is empty, the way you use it is by setting different attributes.

recipes.html

The rel attribute is short for relationship.

Setting rel to **stylesheet** tells the HTML that it should use the linked file to determine page styles.



Since the tag is empty, the way you use it is by setting different attributes.

recipes.html

The **href** attribute works just like it does with the $\langle a \rangle$ tag.



Before-and-after linking the CSS file

Now recipes.html is using the general styles we've already created

Before linking main.css

Recipe World

- Home
- Recipes
- Suggest

Recipes

Magic Cake

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Mystery-Wich





Recipe World

Home Recipes Suggest

Recipes

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Mystery-Wich



Often using the exact same styles on all pages doesn't look right

```
recipes.html
                     HTML
<h2>Recipes</h2>
<l
  <1i>>
    <h3><a href="magic-cake..."
    This is a dangerously...
  <1i><1i></1i>
  <1i><1i></1i>
```

The ul, ul li, h3, and p styles are cascading down from our broader selectors.

Recipe World

Home Recipes Suggest

Recipes

Magic Cake

This is a dangerously delicious cake.

Tacosaurus Mex

It's always taco night somewhere!

Florida Omelette

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Mystery-Wich

A proposal for changing the recipes page styles

no list-style-type for the (ul)

border around the (li)

left padding between the li border and content area

Recipes

Magic Cake

This is a dangerously delicious cake.

Tacosaurus Mex

It's always taco night somewhere!

Florida Omelette

Omelette you in on a little secret - this is one tasty egg.

Mystery-wich

It's a sandwich. That's all we can really say.



no border under the h3

our green heading color used for the (a) tag



First, we'll give the recipes.html a unique class.

```
recipes.html
```

```
HTML
<h2>Recipes</h2>
<1i>>
  <h3><a href="magic-cake.html">Magic Cake</a></h3>
  This is a dangerously delicious cake.
 <1i>...
```



Then, write some more specific CSS for .recipes and any children.

```
existing ul styles

CSS

ul {
  padding: 0 0 0 50px;
}
```

remember, recipes is a specific (ul)

```
.recipes {
  list-style-type: none;
  padding: 0;
}

resets all sides to o
```

Recipes



Magic Cake

This is a dangerously delicious cake.

Tacosaurus Mex

It's always taco night somewhere!

Florida Omelette

Omelette you in on a little secret - this is one tasty egg.

Mystery-Wich



Then, write some more specific CSS for .recipes and any children.

```
existing ulli styles

ul li {
}
```

the .recipes (li)'s will inherit the margins and add a new border and padding-left

```
.recipes li {
  border: 1px solid #b56663;
  padding-left: 15px;
}
```

Recipes



Magic Cake

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Tacosaurus Mex

It's always taco night somewhere!

Florida Omelette

Omelette you in on a little secret - this is one tasty egg.

Mystery-Wich



Then, write some more specific CSS for .recipes and any children.

```
existing h3 styles
                                     CSS
h3 {
  margin: 15px 0 15px 0;
  border-bottom: 1px solid #ccccc;
  padding-bottom: 3px;
the recipes h3 will inherit all of the h3
properties, but remove the bottom border
                             CSS
.recipes h3 {
  border-bottom: 0;
```

Recipes



Magic Cake

This is a dangerously delicious cake.

Tacosaurus Mex

It's always taco night somewhere!

Florida Omelette

Omelette you in on a little secret - this is one tasty egg.

Mystery-Wich

Then, write some more specific CSS for .recipes and any children.

We don't currently have a general CSS rule for **a**, so we can just add our specific version.

```
.recipes a {
  color: #7facaa;
  text-decoration: none;
}
```

Recipes



Magic Cake

This is a dangerously delicious cake.

Tacosaurus Mex

It's always taco night somewhere!

Florida Omelette

Omelette you in on a little secret - this is one tasty egg.

Mystery-Wich



Organizing the page layout

In our current layout, we've got a clear separation between the header and main content.



Recipe World

header

Home Recipes Suggest

Magic Cake

main

content

Magic Cake is one of the tastiest cakes the world has eve We also need to stress that whatever happens to you as a view our legal page for more information.

Ingredients

- 2 eggs
- 1 pound of sugar
- 3 sticks of butter

Directions

1. Mix eggs, sugar, and butter in a large bowl.

0 0 1'4 111



The div tag

div is short for **division**, and it's a <u>block-level tag</u> that's a generic way to <u>group related content into sections</u> on a page.

```
HTML
<body>
        header
 <div>
   <h1>Recipe World</h1>
   ...
 </div>
        main content
 <div>
   <h2>Magic Cake</h2>
</body>
```



Use classes to describe what divs contain

A common way to differentiate between <div> tags is to add a class.

```
HTML
<body>
 <div class="header">
   <h1>Recipe World</h1>
   ...
 </div>
 <div class="main-content">
   <h2>Magic Cake</h2>
</body>
```

let's build this style

Recipe World

Home Recipes Suggest

Magic Cake

Magic Cake is one of the tastiest cakes the world has ever known. Few have tried it and live We also need to stress that whatever happens to you as a result of consuming Magic Cake i view our legal page for more information.

Ingredients

- 2 eggs
- 1 pound of sugar
- 3 sticks of butter

Directions

1. Mix eggs, sugar, and butter in a large bowl.



Classes will let us style each <div> differently

Use classes to describe what divs contain

A common way to differentiate between <div> tags is to add a class.

let the divs handle padding now and not the body

```
HTML
<body>
 <div class="header">
   <h1>Recipe World</h1>
   ...
 </div>
 <div class="main-content"
   <h2>Magic Cake</h2>
</body>
```

```
CSS
body {
 padding: 0 0 0;
.header {
 padding: 10px 10px 10px;
.main-content {
 padding: 20px 20px 20px;
 border: 1px solid #dddddd;
 margin: 30px 0 0;
```

Giving the header a separate style

Let's make our header styles look different so we can easily see that the **header** is different from the **main-content**.

```
CSS
.header {
 padding: 10px 10px 10px 10px;
 background-color: #b56663;
.header a {
 color: #ffffff;
 color: #ffffff;
```

Recipe World

Home Recipes Suggest

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Ingredients

- 2 eggs
- 1 pound of sugar
- 3 sticks of butter

Directions

1. Mix eggs, sugar, and butter in a large bowl.



Adjusting the size of divs

The width and height of any tag's content area can be changed in CSS.

So far, we've just wanted our tags to take up 100% of the available width, but let's make our **main-content** div a fixed size.



Recipe World Home Recipes Suggest Magic Cake Magic Cake is one of the tastiest cakes the world has ever known. Few have tried it and lived to tell about it, and these are their stories. We also need to stress that whatever happens to you as a result of consuming Magic Cake is your responsibility. You've been warned, and you can view our legal page for more information. **Ingredients** 2 eggs · 1 pound of sugar 3 sticks of butter **Directions**

1. Mix eggs, sugar, and butter in a large bowl.

2. Spread into a non-stick dish

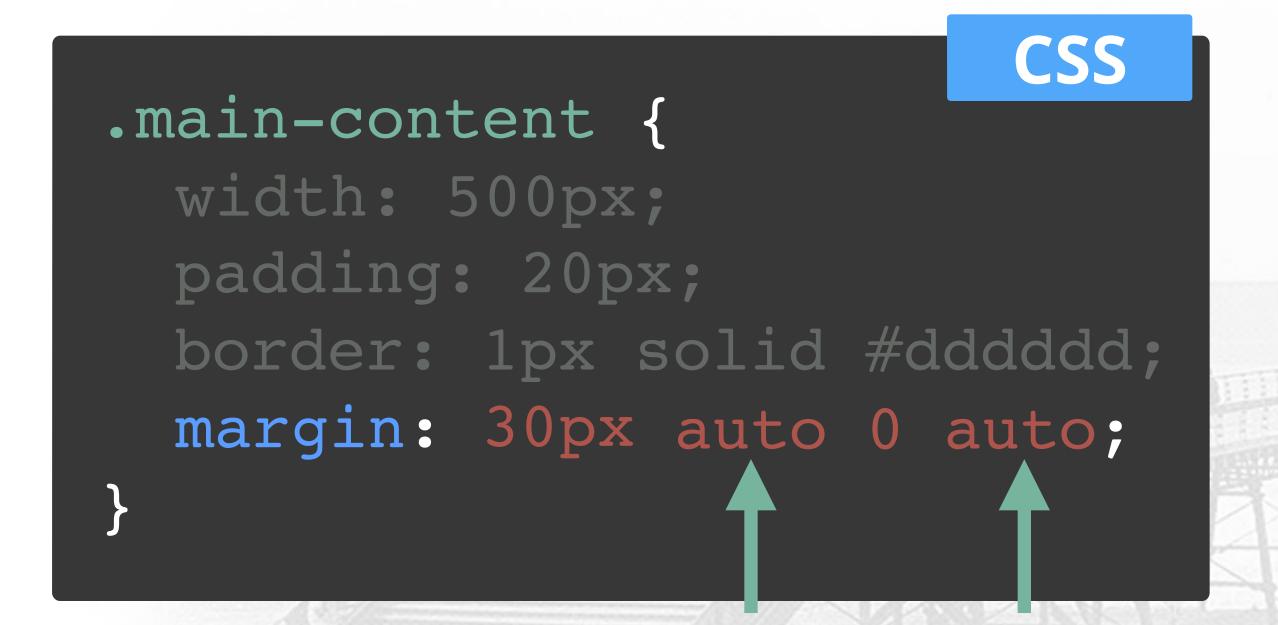
Centering content

There's two main ways to center things, but the CSS you write depends on what you're centering.

If: you want to center an <u>entire</u> block-level tag

And: it is fixed-width

Then: set the left and right margins to auto



Recipe World

Home Recipes Suggest

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We also need to stress that whatever happens to you as a result of consuming Magic Cake is your responsibility. You've been warned, and you can view our legal page for more information.

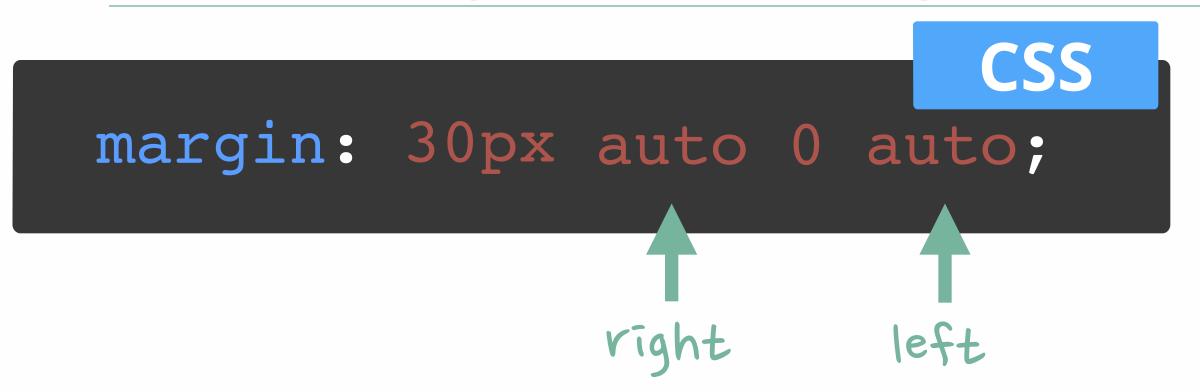
Ingredients

- 2 eggs
- 1 pound of sugar
- 3 sticks of butter

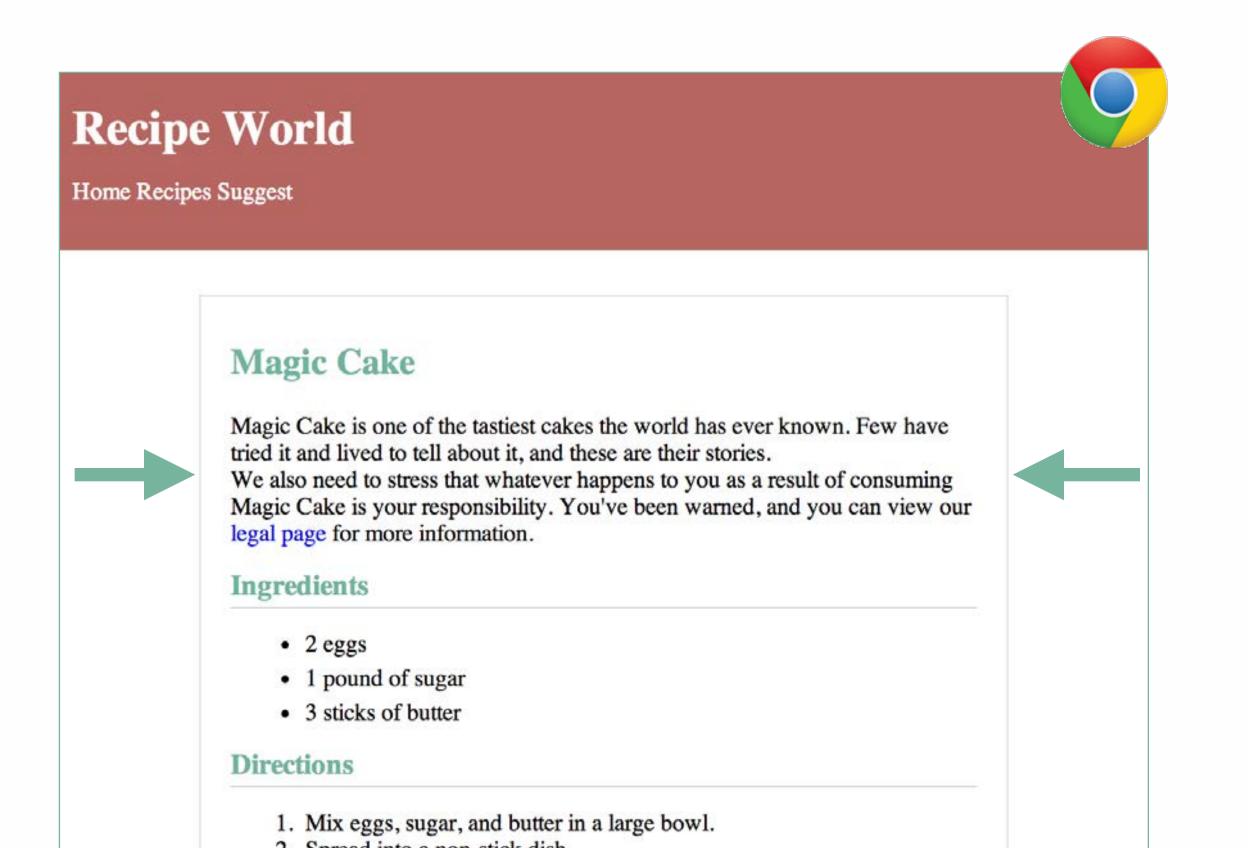
Directions

- 1. Mix eggs, sugar, and butter in a large bowl.
- 2. Spread into a non-stick dish
- 3. Bake at 350 degrees for 1 hour
- 4. Let sit at room temperature for 20 minutes
- 5. Eat and enjoy!

Centering with margin auto



auto here means take as much space as you can.





Centering content

There's two main ways to center things, but the CSS you write depends on what you're centering.

If: you want to center children inside a block-level tag

Then: set the text-align of the children to center

```
h1 {
  color: #ffffff;
  margin: 0 0 15px 0;
  text-align: center;
}
```

centered!

Recipe World

Home Recipes Suggest

Magic Cake

Magic Cake is one of the tastiest cakes the world has ever known. Few have tried it and lived to tell about it, and these are their stories.

We also need to stress that whatever happens to you as a result of consuming Magic Cake is your responsibility. You've been warned, and you can view our legal page for more information.

Ingredients

- 2 eggs
- 1 pound of sugar
- 3 sticks of butter

Directions

- Mix eggs, sugar, and butter in a large bowl.
- 2. Spread into a non-stick dish
- 3. Bake at 350 degrees for 1 hour
- 4. Let sit at room temperature for 20 minutes
- 5. Eat and enjoy!

Centering content

There's two main ways to center things, but the CSS you write depends on what you're centering.

```
CSS
.nav
 padding-left: 0;
 margin: 5px 0 20px 0;
 text-align: center;
                          centered!
 margin: 10px 0 20px 0;
 text-align: center;
```

Recipe World

Home Recipes Suggest



Magic Cake

Magic Colors one of the tastiest cakes the world has ever known. Few have trie in and lived to tell about it, and these are their stories.

We also need to stress that whatever happens to you as a result of consuming Magic Cake is your responsibility. You've been warned, and you can view our legal page for more information.

Ingredients

- 2 eggs
- · 1 pound of sugar
- · 3 sticks of butter

Directions

- 1. Mix eggs, sugar, and butter in a large bowl.
- 2. Spread into a non-stick dish
- 3. Bake at 350 degrees for 1 hour
- 4. Let sit at room temperature for 20 minutes
- 5. Eat and enjoy!

A note about fixed widths

If you've been reading about or making websites, you might be wondering why we're using fixed widths instead of relative widths.

Fixed widths are great for learning how page layout works, and after this course, you can continue on to our **Journey Into Mobile** course where you'll learn how to convert your fixed widths to relative ones!



