

# Using CSS with Miva Merchant 5.5

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# Cascading Style Sheets (CSS)

## What it means

- / “Styles” are definitions of how a web page element (i.e. font) should appear.

```
p {  
  color: #000000;  
}
```

All text within <p> tags will be black.



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# Cascading Style Sheets (CSS)

## What it means

/ Multiple styles can be applied to a given item, independently.

```
p {  
  color: #000000;  
}
```

```
.small {  
  font-size: 10px;  
}
```



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# Cascading Style Sheets (CSS)

## What it means

- / Multiple styles can be applied to a given item, independently.

```
p { color: #000000; } .small { font-size: 10px; }
```

```
<p class="small">Your Text</p>
```

“Your Text” will be black and 10 pixels tall.



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# Cascading Style Sheets (CSS)

## What it means

/ Multiple styles can be applied to a given item, independently.

```
p { color: #000000; } .small { font-size: 10px; } .italic { font-style: italic; }
```

```
<p class="small italic">Your Text</p>
```

“Your Text” will be black, italic and 10 pixels tall.



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# Cascading Style Sheets (CSS)

## What it means

- / Multiple styles can be applied to a given item, independently.

Each style you apply is part of a hierarchy that is interpreted by your browser in a certain order. If there is a conflict, the definition that is “closest” in the code to the element you want style takes precedence.

```
p { color: #000000; } .small { font-size: 10px; } .smallest { font-size: 8px; }
```

```
<p class=“small smallest”>Your Text</p>
```

“Your Text” will be black and 8 pixels tall.



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# Cascading Style Sheets (CSS)

## What it means

- / Multiple styles can be applied to a given item, independently.

Theoretically, styles should help you streamline the design process. A conflict in applied styles is ok, since it may be due to the overall design scheme.

```
p { color: #000000; } .small { font-size: 10px; color: #cccccc; }
```

```
<p class="small">Your Text</p>
```

“Your Text” will be grey and 10 pixels tall.



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# Cascading Style Sheets (CSS)

## What it means

- / Multiple styles can be applied to a given item, independently.

The ability to apply a hierarchy of multiple styles is where the term “cascading” comes from.



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# Cascading Style Sheets (CSS)

## Where they are

/ There are three places to define styles

/ Inline: `<p style = "font-size: 12px;">`

/ Defined between `<head>` tags:

```
<head>  
<style type="text/css">  
p { font-size: 10px; }  
</style>  
</head>
```



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# Cascading Style Sheets (CSS)

## Where they are

/ Linked from an external style sheet

```
<LINK REL="stylesheet" TITLE="Default Styles" HREF="general.css">
```

```
<STYLE type="text/css">  
@import url(general.css);  
</STYLE>
```



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# Cascading Style Sheets (CSS)

## Where they are

- / Future support will include the ability to upload an external style sheet through the MM5.5 administration, instead of using FTP.



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# Cascading Style Sheets (CSS)

## Where they are

- / Styles can be defined in multiple locations to serve specific design purposes.

```
<head>  
<style type="text/css">  
@import url(general.css);  
p { font-size: 10px; }  
</style>  
</head>  
<body>  
<p style="font-size: 12px;">Your Text</p>
```



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# Cascading Style Sheets (CSS)

## Styles in the Miva Merchant HEAD tag content

Buttons	Category Tree Template	Misc. Colors	Customer Links
Messages	Navigation Bar	Global Header & Footer	<b>HEAD Tag Content</b>
Shopping Interface Settings			

HEAD Tag Content:

```
<style type="text/css">
/* Body */
html{
    height:100%;
}
body {
    margin: 0px;
```



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# Cascading Style Sheets (CSS)

## Classes and IDs

/ A class is defined with a “.” before the name of the title

**css definition:** `.small { ... }`

**html code:** `<p class="small">`

Classes can be used on any html element and multiple times within a page or document.



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# Cascading Style Sheets (CSS)

## Classes and IDs

/ An ID is defined with a “#” before the name of the title

**css definition:** `#small { ... }`

**html code:** `<p id="small">`

Standards specify that any given ID name can only be referenced once within a page or document.



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# Cascading Style Sheets (CSS)

## Classes and IDs

/ A normal set of styles might look like this:

```
<style type="text/css">  
p { font-family: verdana, arial, sans-serif; font-size: 12px; }  
#table { margin: 2px; padding: 2px; font-size: 10px; }  
.small { font-size: 8px; }  
.red { color: #5c0000; }  
.topbar { background: url(images/background.gif) repeat-x; }  
</style>
```



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# Cascading Style Sheets (CSS)

## Classes and IDs

/ You can also “cascade” style definitions:

```
.top a { color: #b29200; }
```

This means that this style is only valid when an `<a>` tag is nested within a tag designated with the class “top.”

```
<p class=“top”><a href=“http://www.mivamerchant.com”>link</a></p>
```



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# Cascading Style Sheets (CSS)

## Modularity and code bloat

- / Inline styles are useful but should be kept at a minimum to maximize modularity.

```
p { font-size: 10px; color: #000000 }
```

```
<p><span style="color: #b29200;" >Your text</span></p>
```



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# Cascading Style Sheets (CSS)

## Container tags

- / The most common tag used to “contain” a block of related code is the `<div></div>` tag. It has no inherent properties except that it is a **block-level element**, which means that it is always followed by a line break unless styled to be inline.

Instead of using table cells to hold related elements, you can now use `<div>`s, which can also be nested within each other or other tags for more “granular” control of the layout. Styles can be applied to a `<div>` both inline and as a class.



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# Cascading Style Sheets (CSS)

## Container tags

- / Another “container” tag is the `<span>` tag. As with `<div>`s, `<span>` tags can be nested within each other, or within other tags. However, the `<span>` tag is not a block-level element, which means that you can make style adjustments to text without disrupting its flow with a line break.



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# Cascading Style Sheets (CSS)

## Container tags

- / Several tags you are already familiar with, such as the `<p>` and `<b>` tags can be used as layout elements in CSS. However, you have to be aware of which tags are block-level and which are not. For example, adding a margin to a `<b>` tag won't work, since it is not a block-level element and a margin adjustment must be applied to a block-level tag.
- / HTML tags like `<h1>` are still very useful as headers. Not only can they be styled, but they are SEO friendly and better represent emphasis if styles are disabled or not supported by the user's browser.



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# Cascading Style Sheets (CSS)

## Document Type Declaration

- / Document Type Declaration, or Doctype for short, informs the browser which version of (X)HTML you're using, and must appear at the very beginning of every web page. There are several variants, but, generally, it looks like this:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

The Doctype links to a url that provides your page instructions on how each style and tag “should” behave. Having the correct Doctype will ensure that your CSS and HTML will render just as you intend.



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# Cascading Style Sheets (CSS)

## Why CSS?

- / It's modular, which shortens the production cycle. Generate a faster turnaround and more efficiency in collaboration with code that is portable and reusable.

- / Faster page loads

Web pages designed with CSS are much smaller in size than pages designed solely in HTML. Smaller pages load faster because there is less overall text to be rendered in a browser.



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# Cascading Style Sheets (CSS)

## Why CSS?

### / Better SEO

When a spider finds a page that is well organized and not filled with a lot of extra HTML code, it can ascertain quickly and accurately what that page is about. This can improve your search engine ranking.

Most CSS sites deemphasize images with text, which creates more keyword-dense content.



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# Cascading Style Sheets (CSS)

## Why CSS?

### / It accomodates accessibility

CSS is very friendly to all types of media, including accessibility readers for the visually and hearing impaired, handheld devices and print. While HTML is a one-size-fits-all structural markup language, stylesheets allow you to specify how your pages should be interpreted in different types of media. Additionally, HTML may be stripped out by accessibility readers, leaving content that is often incoherent.

```
<link rel="stylesheet" type="text/css" media="aural"  
href="aural.css" />
```

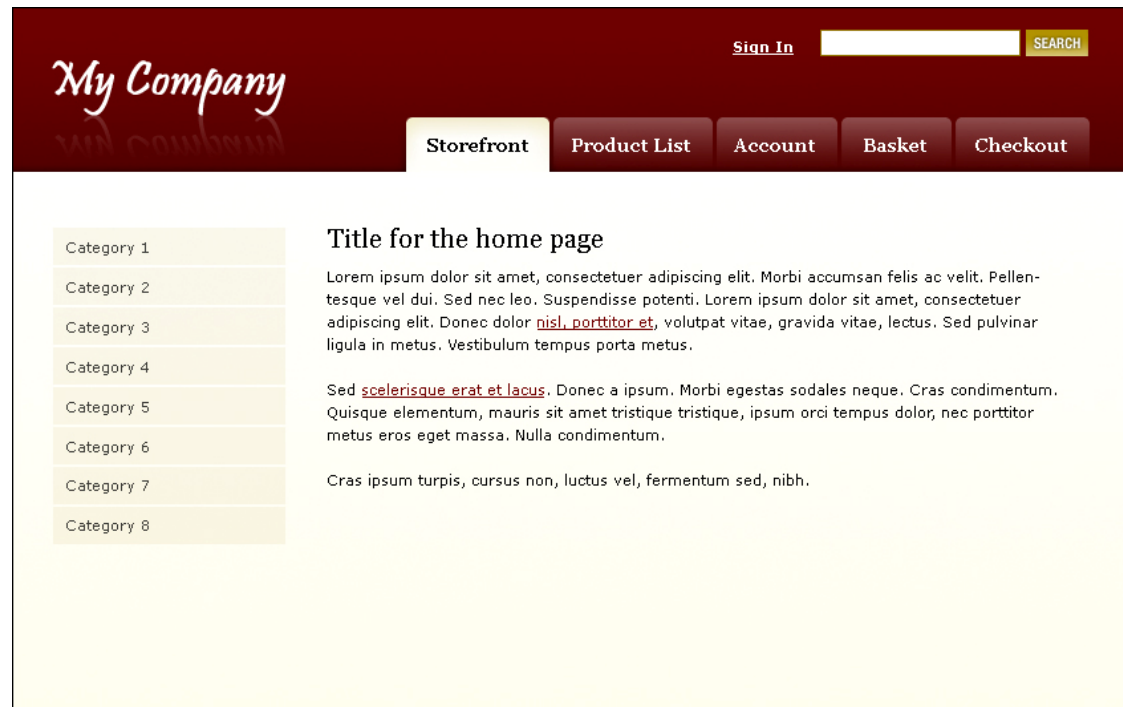


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# CSS and Miva Merchant

## The new Miva Merchant CSS skin



The screenshot shows a web storefront for "My Company". The header is dark red and contains the company name in a white script font, a "Sign In" link, a search input field with a "SEARCH" button, and a navigation menu with buttons for "Storefront", "Product List", "Account", "Basket", and "Checkout". The main content area has a light yellow background. On the left is a vertical list of eight "Category" buttons. The main text area features a title "Title for the home page" followed by three paragraphs of placeholder text.

My Company

Sign In  SEARCH

Storefront Product List Account Basket Checkout

Category 1

Category 2

Category 3

Category 4

Category 5

Category 6

Category 7

Category 8

### Title for the home page

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi accumsan felis ac velit. Pellentesque vel dui. Sed nec leo. Suspendisse potenti. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec dolor [nisl, porttitor et](#), volutpat vitae, gravida vitae, lectus. Sed pulvinar ligula in metus. Vestibulum tempus porta metus.

Sed [scelerisque erat et lacus](#). Donec a ipsum. Morbi egestas sodales neque. Cras condimentum. Quisque elementum, mauris sit amet tristique tristique, ipsum orci tempus dolor, nec porttitor metus eros eget massa. Nulla condimentum.

Cras ipsum turpis, cursus non, luctus vel, fermentum sed, nibh.

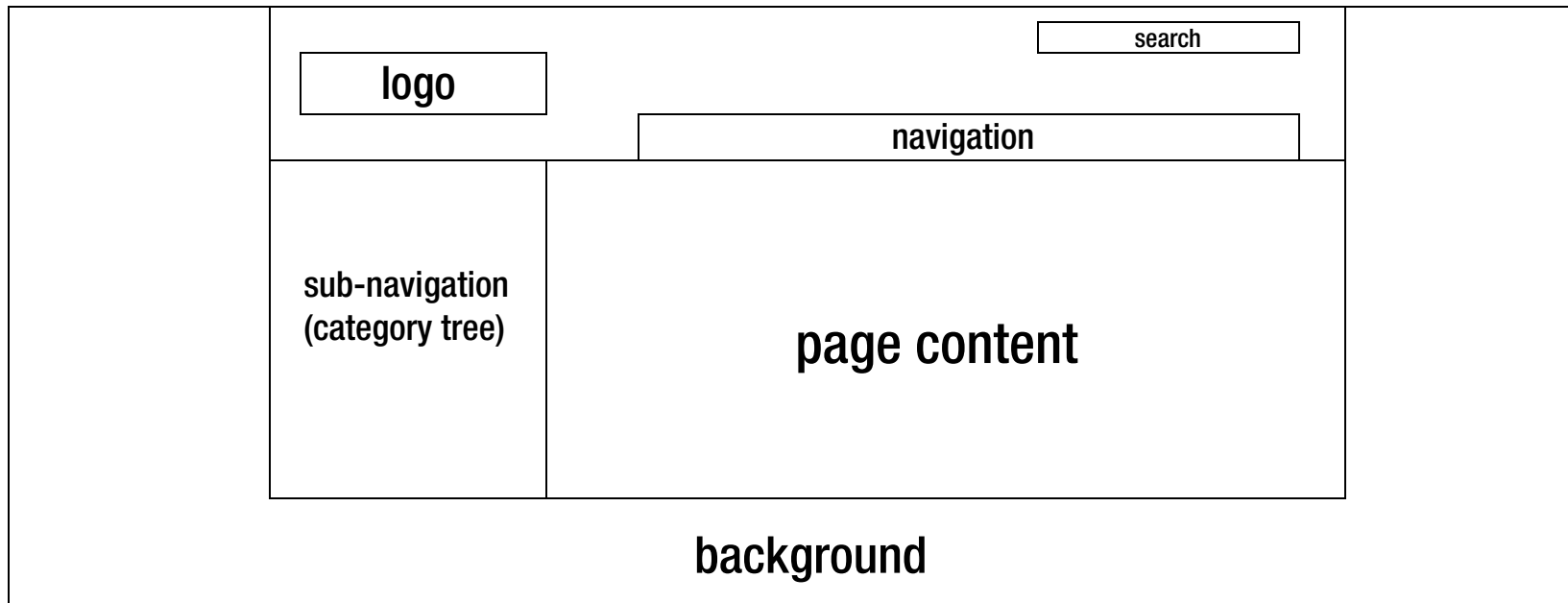


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# CSS and Miva Merchant

Breaking down the design into its components



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# CSS and Miva Merchant

## Translating the design

```
<mvt:item name="body">
```

```
body {  
    margin: 0px;  
    padding: 0px;  
    font-family: verdana,sans-serif;  
    font-size: small;  
    line-height: 1.3em;  
    background-color: #FFFDEE;  
    height: 100%;  
}
```



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# CSS and Miva Merchant

## Translating the design

### Background

```
<mvt:item name="body">  
<mvt:item name="hdft" param="global_header" />  
<div class="body">  
page content  
</div>  
</mvt:item>
```



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# CSS and Miva Merchant

## Translating the design

```
Background .body {  
    margin: 0px;  
    padding: 0px;  
    background: url(images/body_tile.gif) repeat-x;  
    height: 100%;  
}
```



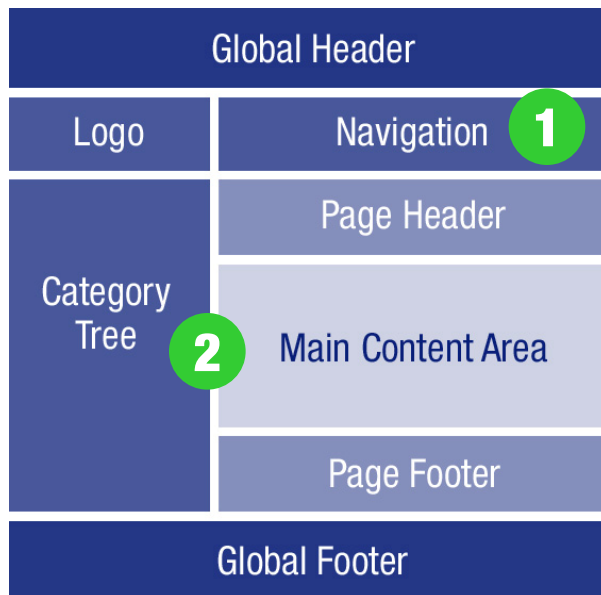
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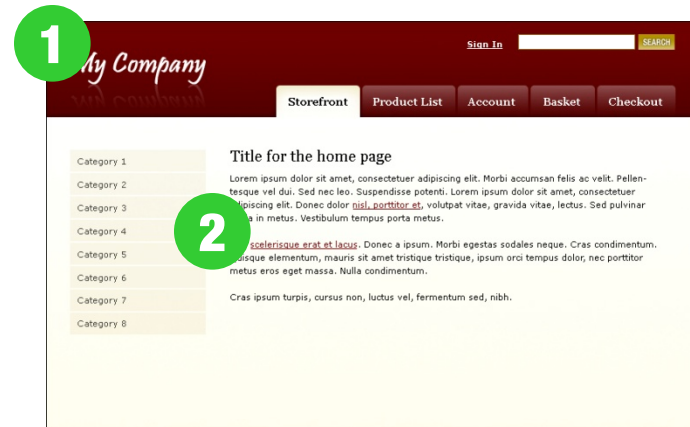
# CSS and Miva Merchant

## Translating the design

### Basic Miva Merchant page elements



### The new Miva Merchant skin



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# CSS and Miva Merchant

## Floats

/ A `<div>` tag inherently forces a line break is because it inherently has a width of 100%.



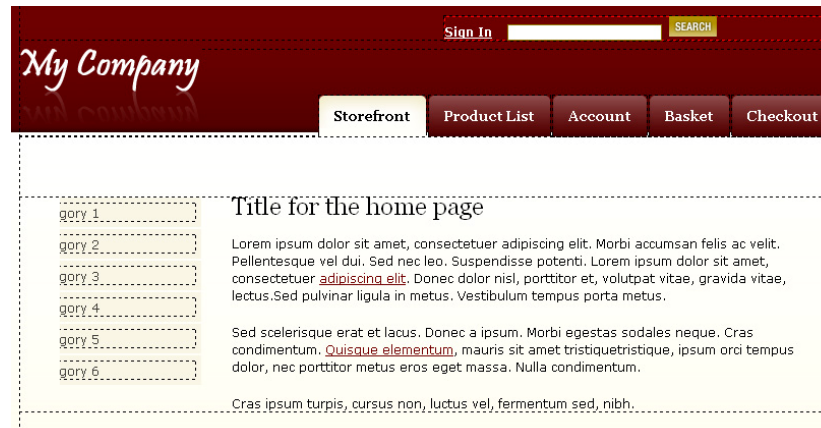
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# CSS and Miva Merchant

## Floats

- / Floats are one positioning method used to create content that is inline with a <div>. In this case, a style of “float:left” is applied to the entire category tree and is similar to “align=‘left’” in HTML.



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# CSS and Miva Merchant

## Translating the design

1



```
<mvt:item name="navbar" />
```

```
<div class="logobar"> .logobar {  
    height: 124px;  
    width: 800px;  
    margin: 0 auto;  
}
```



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# CSS and Miva Merchant

## Translating the design

1



```
<mvt:item name="navbar" />
```

```
<div class="logobar">  
<div class="search">
```

```
.search {  
    float: right;  
    margin-top: 10px;  
}
```



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# CSS and Miva Merchant

## Translating the design

1



```
<mvt:item name="navbar" />
```

```
<div class="logobar">  
<div class="search">  
<br class="clear">
```

```
.clear {  
    clear:both;  
}
```



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# CSS and Miva Merchant

## Translating the design

1



```
<mvt:item name="navbar" />
```

```
<div class="logobar">  
<div class="search">  
<br class="clear">  
<div class="navigation">
```

```
.navigation {  
    padding-top: 8px;  
    float: left;  
}
```



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# CSS and Miva Merchant

## Translating the design

1



```
<mvt:item name="navbar" />
```

```
<div class="currenttab">  
<b><p>Checkout</p></b>  
</div>
```

```
.currenttab {  
    background: url(images/current_tab_tile.gif)  
    repeat-x top left #ffffff;  
    float: right;  
    margin-top: 46px;  
    margin-left: 3px;  
}
```



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# CSS and Miva Merchant

## Translating the design

1



```
<mvt:item name="navbar" />
```

```
<div class="currenttab">  
<b><p>Checkout</p></b>  
</div>
```

```
.currenttab p {  
    background: url(images/current_tab_left.gif)  
    no-repeat top left;  
    font-family: georgia, times, serif;  
    margin: 0px;  
    padding: 11px 0px 4px 15px;  
}
```



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# CSS and Miva Merchant

## Translating the design

1



```
<mvt:item name="navbar" />
```

```
<div class="currenttab">  
<b><p>Checkout</p></b>  
</div>
```

```
.currenttab b {  
    background: url(images/current_tab_right.gif)  
    no-repeat top left;  
    vertical-align: top;  
    text-align:center;  
    padding-right: 15px;  
    display: block;  
    height: 40px;  
}
```



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# CSS and Miva Merchant

## Translating the design

2

gory 1

gory 2

gory 3

gory 4

gory 5

gory 6

### Title for the home page

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Sed scelerisque erat et lacus. Donec a ipsum. Morbi egestas sodales neque. Cras condimentum. [Quisque elementum](#), mauris sit amet tristique tristique, ipsum orci tempus dolor, nec porttitor metus eros eget massa. Nulla condimentum.

Cras ipsum turpis, cursus non, luctus vel, fermentum sed, nibh.

```
<mvt:item name="navbar" />  
<div class="mainbody">
```

```
.mainbody {  
  margin: auto;  
  width: 800px;  
  padding: 60px 0px 20px 0px;  
  font-size: 95%;  
}
```



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# CSS and Miva Merchant

## Translating the design

2

gory 1

gory 2

gory 3

gory 4

gory 5

gory 6

### Title for the home page

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi accumsan felis ac velit. Pellentesque vel dui. Sed nec leo. Suspendisse potenti. Lorem ipsum dolor sit amet, consectetur [adipiscing elit](#). Donec dolor nisl, porttitor et, volutpat vitae, gravida vitae, lectus. Sed pulvinar ligula in metus. Vestibulum tempus porta metus.

Sed scelerisque erat et lacus. Donec a ipsum. Morbi egestas sodales neque. Cras condimentum. [Quisque elementum](#), mauris sit amet tristique tristique, ipsum orci tempus dolor, nec porttitor metus eros eget massa. Nulla condimentum.

Cras ipsum turpis, cursus non, luctus vel, fermentum sed, nibh.

```
<mvt:item name="navbar" />
<div class="mainbody">
<mvt:item name="category_tree" />
```

```
.subnav {
float: left;
}
```



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# CSS and Miva Merchant

## Translating the design

2

gory 1

gory 2

gory 3

gory 4

gory 5

gory 6

### Title for the home page

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi accumsan felis ac velit. Pellentesque vel dui. Sed nec leo. Suspendisse potenti. Lorem ipsum dolor sit amet, consectetur [adipiscing elit](#). Donec dolor nisl, porttitor et, volutpat vitae, gravida vitae, lectus. Sed pulvinar ligula in metus. Vestibulum tempus porta metus.

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Cras ipsum turpis, cursus non, luctus vel, fermentum sed, nibh.

```
<mvt:item name="navbar" />
<div class="mainbody">
<mvt:item name="category_tree" />
<div class="content">
```

```
.content {
margin-left: 210px;
}
```



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# Grab bag

## Additional considerations

- / Backward compatibility (IE 6)
- / IE vs. Firefox vs. Safari
- / Troubleshooting with a web editor
- / The Firefox web developer toolbar



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