



# RWD

## Class 8

# Overview

**Mid-Semester Survey (Available for 1 Week)**

**Box-Model Video (25 min)**

**CSS Boxes, Images & Layout (20 min)**

**Break (5 min)**

**Style Tiles Show/Tell (1 hour)**

**CSS 2 Assignment (10 min)**

**CSS 2 Hands On (30 min)**



# Mid-Semester Survey

<https://goo.gl/ZtTXug>



# Continue Box-Model Video

<https://www.lynda.com/CSS-tutorials/Text-flow-box/372544/419403-4.html>



# Targeting Elements with CSS



# Use Element Type Selector

In HTML

```
<p>Hello</p>
```

In CSS

```
p {  
    font-weight: bold;  
}
```



# Descendant Selector

In HTML

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

In CSS

```
p a {  
    font-weight: bold;  
}
```



# Use a Class

In HTML

```
<p class="hello">Hello</p>
```

In CSS

```
.hello {  
    font-weight: bold;  
}
```



# Mix Elements and Classes

In HTML

```
<p class="hello">Hello</p>
```

In CSS

```
p.hello {  
    font-weight: bold;  
}
```



# But There's More!

You'll use these much less frequently, but know that they're available.



# Additional CSS Selectors

ID Selector: #introduction { }

Direct Child Selector: li > a { }

Adjacent Selector: h1+p { }

General Sibling Selector: h1~p { }



# CSS Boxes, Layout and Images



# Everything On Page Is a Box



# Box Width/Height

```
div {  
  height: 300px;  
  width: 400px;  
  background-color: #ee3e80;}
```

```
p {  
  height: 75%;  
  width: 75%;  
  background-color: #e1ddda;}
```

The Moog company pioneered the commercial manufacture of modular voltage-controlled analog synthesizer systems in the early 1950s.



# Min/Max Width/Height

```
td.description {  
    min-width: 450px;  
    max-width: 650px;  
    text-align: left;  
    padding: 5px;  
    margin: 0px; }
```

Photo	Description	Price
	The Rhodes piano is an electro-mechanical piano, invented by Harold Rhodes during the fifties and later manufactured in a number of models, first in collaboration with Fender and after 1965 by CBS. It employs a piano-like keyboard with hammers that hit small metal tines, amplified by electromagnetic pickups.	\$1400
	The Wurlitzer electric piano is an electro-mechanical piano, created by the Rudolph Wurlitzer Company of Mississippi. The Wurlitzer company itself never called the instrument an "electric piano", instead inventing the phrase "Electronic Piano" and using this as a trademark throughout the production of the instrument. It employs a piano-like keyboard with hammers that hit small metal tines, amplified by electromagnetic pickups.	\$1600
	A Clavinet is an electronically amplified clavichord manufactured by the Hohner company. Each key uses a rubber tip to perform a hammer on a string. Its distinctive bright staccato sound is often compared to that of an electric guitar. Various models were produced over the years, including the models I, II, L, C, D6, and E7.	\$1200



# Overflow

```
p.one {  
  overflow: hidden;}  
  
p.two {  
  overflow: scroll;}
```

## Fender Stratocaster

The Fender Stratocaster or "Strat" is one of the most popular electric guitars of all time, and its design has been copied by many guitar makers.

## Gibson Les Paul

The Gibson Les Paul is a solid body electric guitar that was first sold in 1952. The Les Paul was designed by



# Border/Padding/Margin



BORDER

MARGIN

PADDING



**Moog**

Moog synthesizers were created by Dr. Robert Moog under the company name Moog Music. Popular models include Moog Modular, Minimoog, Micromoog, Moog Rogue, and Moog Source

**Arp**

ARP Instruments Inc. was set up by Alan Peralman, and was the main competitor for Moog during the 1970's. Popular models include the Arp 2600 and the ARP Odyssey.

**Sequential Circuits**

Sequential Circuits Inc was founded by Dave Smith, and the company was pivotal in the creation of MIDI. Famous models include the Prophet 5, Prophet 600, and Pro-One.

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# Borders

```
p {  
width: 250px;  
border: 3px dotted #0088dd; }
```

Here is a simple chord sequence  
played on a Hammond organ  
through a Leslie speaker.



# Padding

```
p {  
width: 275px;  
border: 2px solid #0088dd;}
```

```
p.example {  
padding: 10px;}
```

Analog synths produce a wave sound, whereas the sounds stored on a digital synth have been sampled and then turned into numbers.

Analog synths produce a wave sound, whereas the sounds stored on a digital synth have been sampled and then turned into numbers.



# Margin

```
p {  
    width: 200px;  
    border: 2px solid #0088dd;  
    padding: 10px;}
```

```
p.example {  
    margin: 20px;}
```

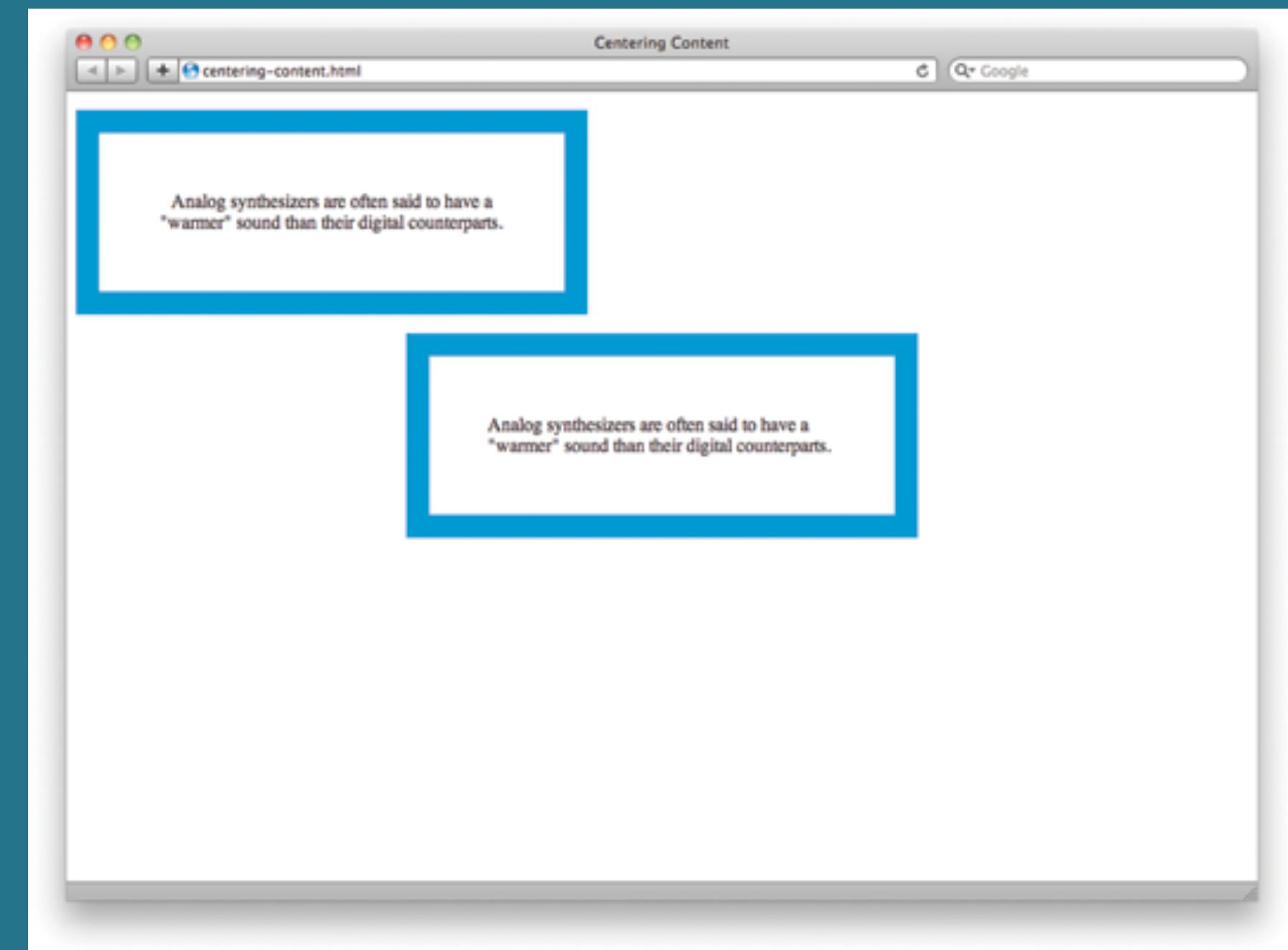
Analog synthesizers are often said to have a "warmer" sound than their digital counterparts.

Analog synthesizers are often said to have a "warmer" sound than their digital counterparts.



# Centering Content

```
body {  
    text-align: center; }  
  
p {  
    width: 300px;  
    padding: 50px;  
    border: 20px solid #0088dd; }  
  
p.example {  
    margin: 10px auto 10px auto;  
    text-align: left; }
```



# Inline/Block Display

```
li {  
    display: inline;  
    margin-right: 10px;}
```

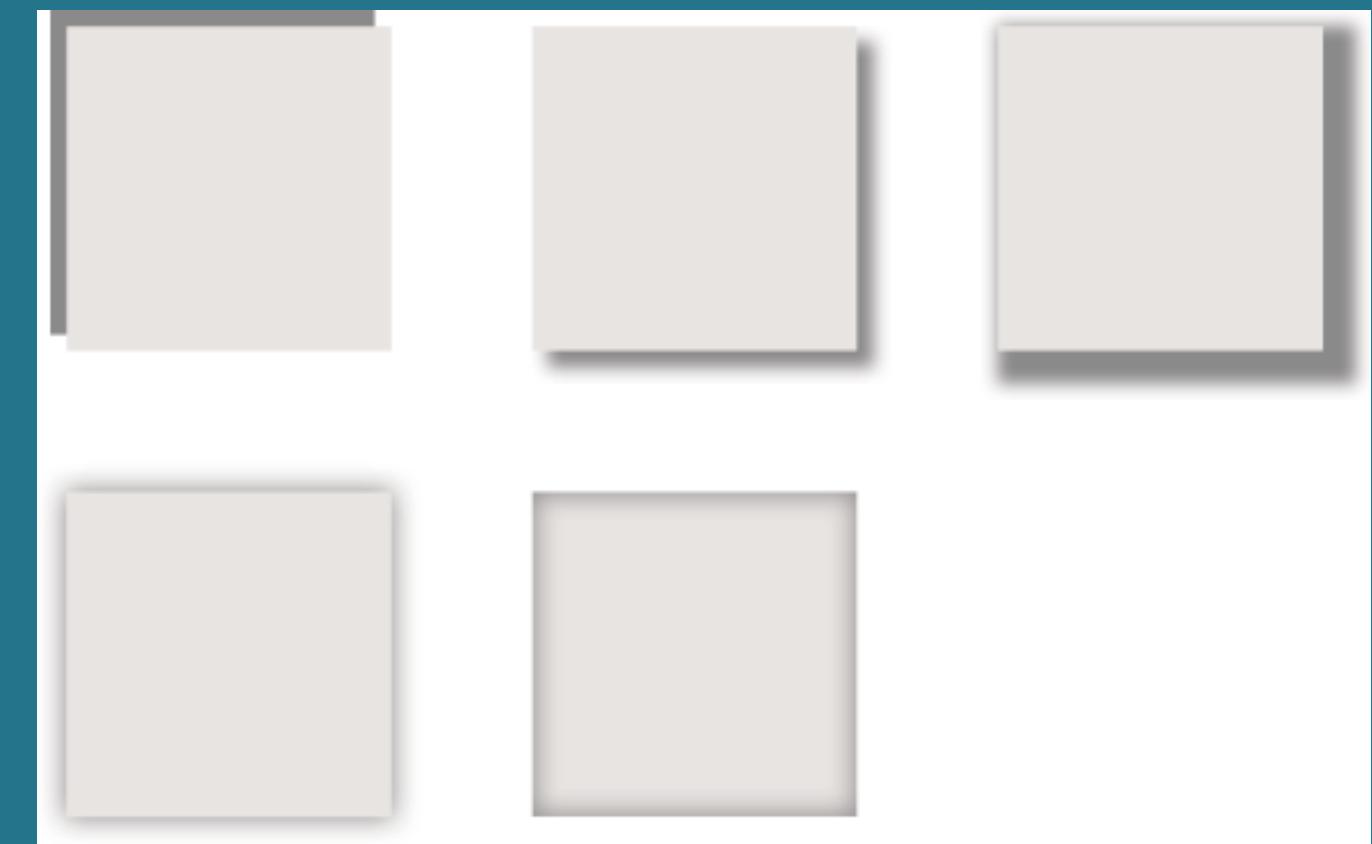
```
li.coming-soon {  
    display: none;}
```

Home Products About Contact



# Box Shadow

```
p.one {  
  box-shadow: -5px -5px #777777; }  
p.two {  
  box-shadow: 5px 5px 5px #777777; }  
p.three {  
  box-shadow: 5px 5px 5px 5px #777777; }  
p.four {  
  box-shadow: 0 0 10px #777777; }  
p.five {  
  box-shadow: inset 0 0 10px #777777; }
```



# Rounded Corners

```
p {  
border: 5px solid #ee3e80;  
padding: 20px;  
width: 275px;  
border-radius: 10px;}
```

Pet Sounds featured a number of unconventional instruments such as bicycle bells, buzzing organs, harpsichords, flutes, Electro-Theremin, dog whistles, trains, Hawaiian-sounding string instruments, Coca-Cola cans and barking dogs.



# Building Blocks

## BLOCK LEVEL

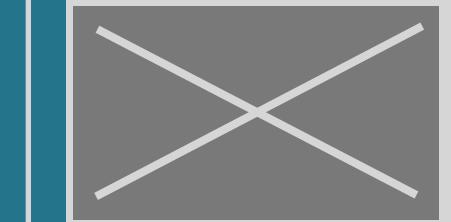
### Lorem Ipsum

  Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc. Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien.

- Duis in erat neque.
- Pellentesque habitant morbi
- Praesent ac condimentum neque

## INLINE

*Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales **pretium ipsum**. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc. Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien.*



*Suspendisse potenti. Duis in erat neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.*



# Containing Elements



# Positioning

## NORMAL FLOW (STATIC)

### Placeholder

Placeholder text: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc.

Placeholder text: Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti.

Placeholder text: Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.



# Positioning

You can add the following properties to a relative or absolutely positioned element to move them:

**left, right, top, bottom**



# Positioning

```
p.example {  
  position: relative;  
  top: 10px;  
  left: 100px;}
```

## RELATIVE POSITIONING

### Placeholder

Placeholder text for the relative positioned element.

Placeholder text for the relative positioned element.

Placeholder text for the relative positioned element.



# Positioning

```
h1 {  
    position: absolute;  
    top: 0px;  
    left: 500px;  
    width: 250px; }  
  
p {  
    width: 450px; }
```

# ABSOLUTE POSITIONING

#

**Etiam** mi tortor, pulvinar at dictum faucibus, mollis eget nunc.

Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti.

Praesent nisi dolor, ornare quis sodales id, lacinia ut  
mauris.



# Positioning

```
h1 {  
    position: fixed;  
    top: 25%;  
    left: 0px;  
    padding: 10px;  
    margin: 0px;  
    width: 100%;  
    background-color: #efefef; }  
  
p.example {  
    margin-top: 100px; }
```

## FIXED POSITIONING

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam i **dictum faucibus, mollis eget n**  **Lorem ipsum**

Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti.

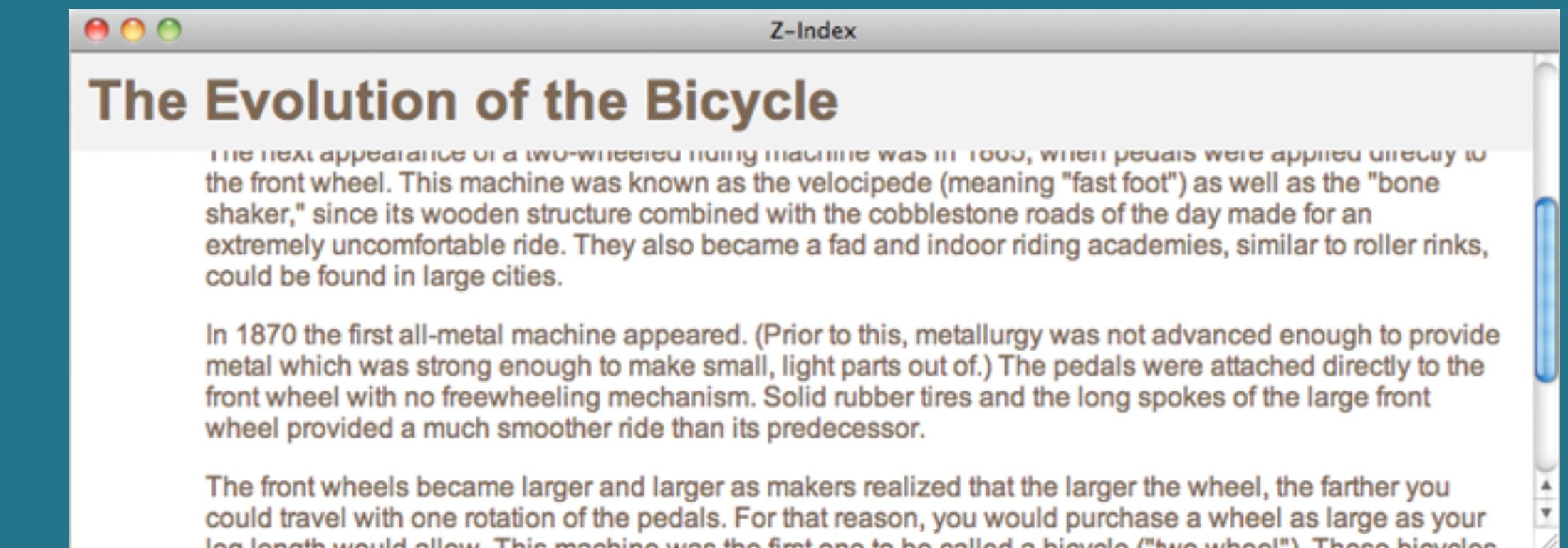
Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.



# Z-Index

```
h1 {  
    position: fixed;  
    top: 0px; left: 0px;  
    margin: 0px; padding: 10px;  
    width: 100%;  
    background-color: #efefef;  
    z-index: 10;}
```

```
p {  
    position: relative; top: 70px;  
    left: 70px;}
```



# Positioning

```
img {  
  float: left;  
  width: 50px;  
}
```

## FLOATING ELEMENTS

  Lorem  
  Ipsum

  Lorem ipsum dolor sit amet,  
  consectetur adipiscing elit. Nullam  
  sodales pretium ipsum. Etiam ut enim  
  augue. Etiam mi tortor, pulvinar at  
  dictum faucibus, mollis eget nunc.

  Morbi justo velit, rutrum vel placerat in, adipiscing  
  vitae sapien. Vivamus sit amet lacus enim, vel  
  scelerisque justo. Nunc dignissim vehicula urna ac  
  porta. Suspendisse potenti.

  Praesent nisi dolor, ornare quis sodales id, lacinia ut  
  mauris.



# Positioning Examples

<http://codepen.io/challahan/professor/NNNbKd/>



# Clearing Floats

```
p {  
width: 33%;  
float: left;  
margin: 5px;  
padding: 5px;  
background-color: #efefef;}
```

```
.clear {  
clear: left;}
```



## The Evolution of the Bicycle

In 1817 Baron von Drais invented a walking machine that would help him get around the royal gardens faster.

The device known as the Draisienne (or "hobby horse") was made of wood, and propelled by pushing your feet on the ground in a gliding movement.

It was not seen as suitable for any place other than a well maintained pathway.

In 1865, the velocipede (meaning "fast foot") attached pedals to the front wheel, but its wooden structure made it extremely uncomfortable.

In 1870 the first all-metal machine appeared. The pedals were attached directly to the front wheel.

Solid rubber tires and the long spokes of the large front wheel provided a much smoother ride than its predecessor.

# Floating Elements Side by Side

```
body {  
    width: 100%;  
    font-family: sans-serif;  
    color: #665544; }  
  
p {  
    float: left;  
    width: 33%;  
    margin: 5px;  
    padding: 5px;  
    background-color: #efefef; }
```

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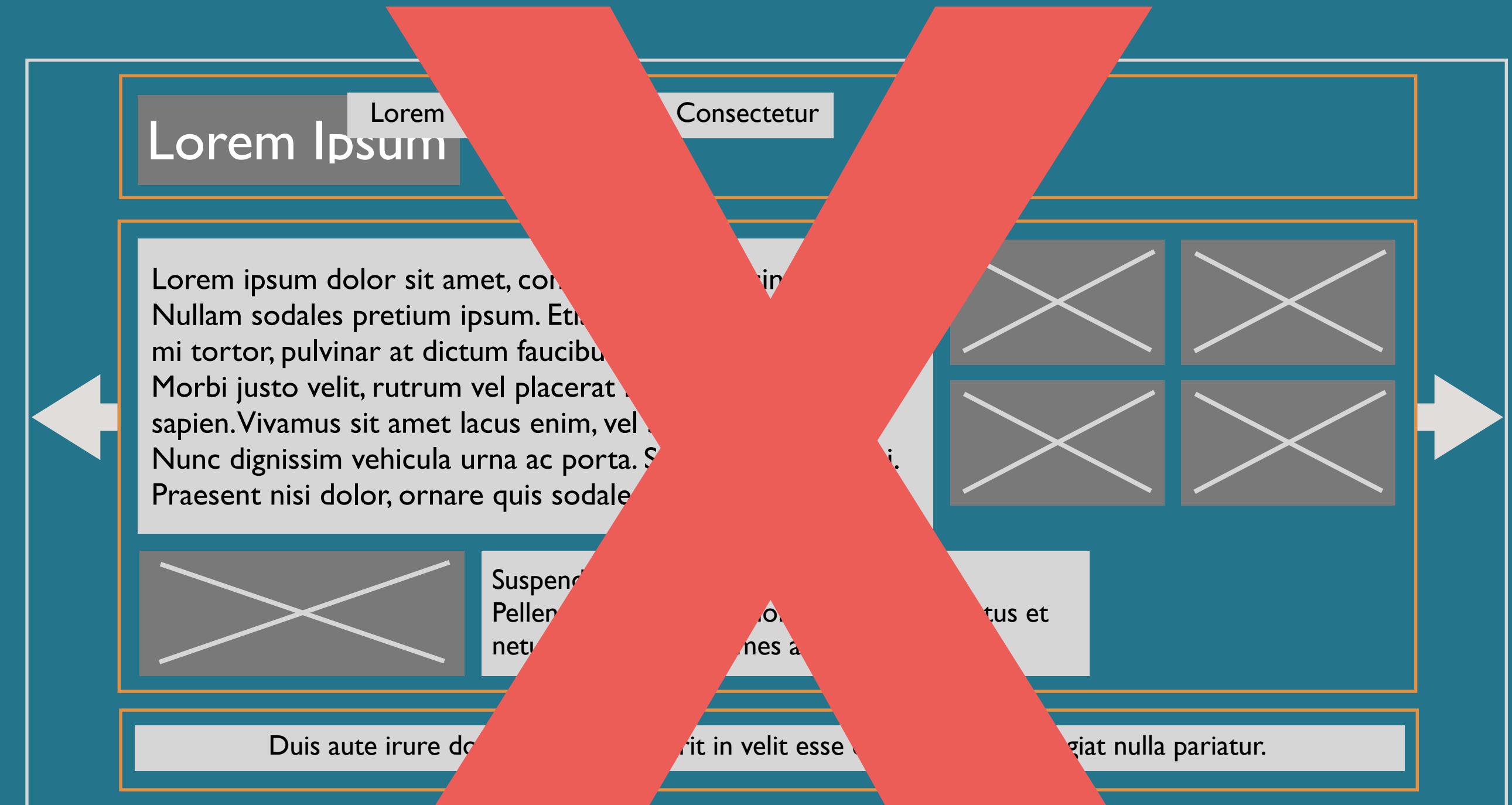
In 1865, the velocipede (meaning "fast foot") attached pedals to the front wheel, but its wooden structure made it extremely uncomfortable.



# Fixed-Width (Pixel) Layouts

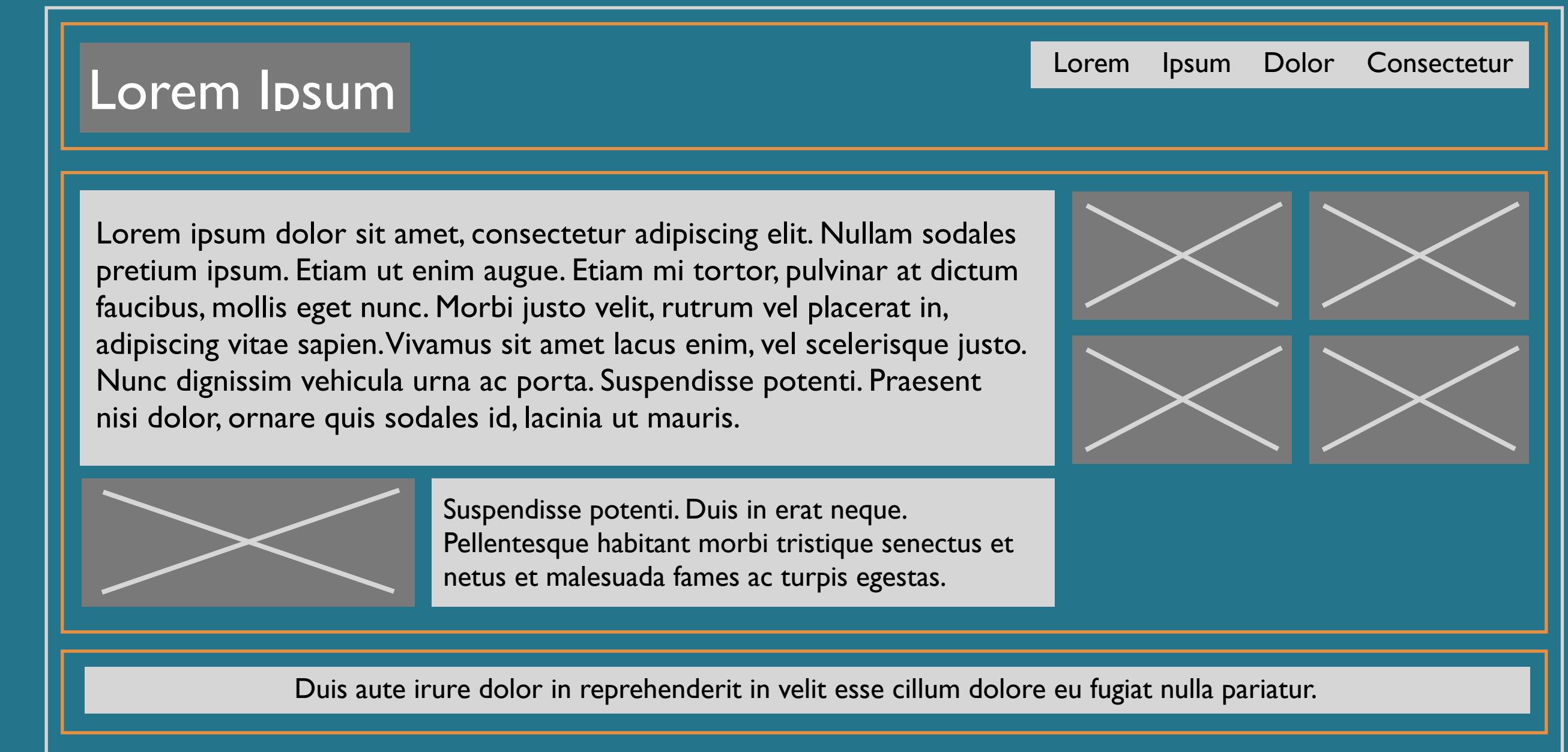
```
body {  
width: 960px;  
margin: 0 auto;}
```

```
.column1, .column2, .column3 {  
background-color: #efefef;  
width: 300px;  
float: left;  
margin: 10px;}
```



# Liquid (Percentage) Layouts

```
body {  
    width: 90%;  
    margin: 0 auto; }  
  
.column1, .column2, .column3 {  
    width: 31.3%;  
    float: left;  
    margin: 1%; }  
.column3 {  
    margin-right: 0%; }
```



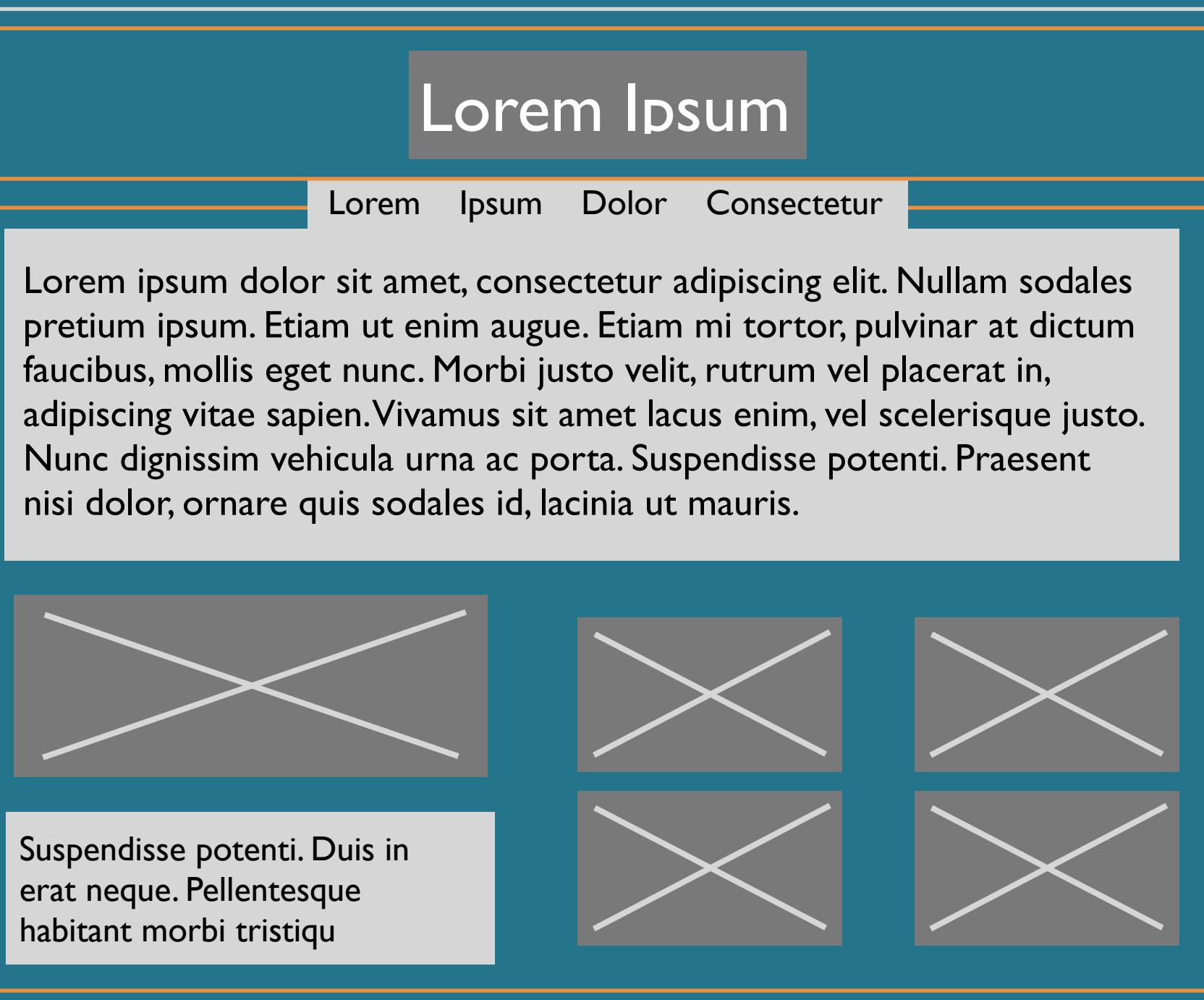
# Responsive Layouts

**Lorem Ipsum**

Lorem Ipsum Dolor Consectetur

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc. Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti. Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.

Suspendisse potenti. Duis in erat neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.



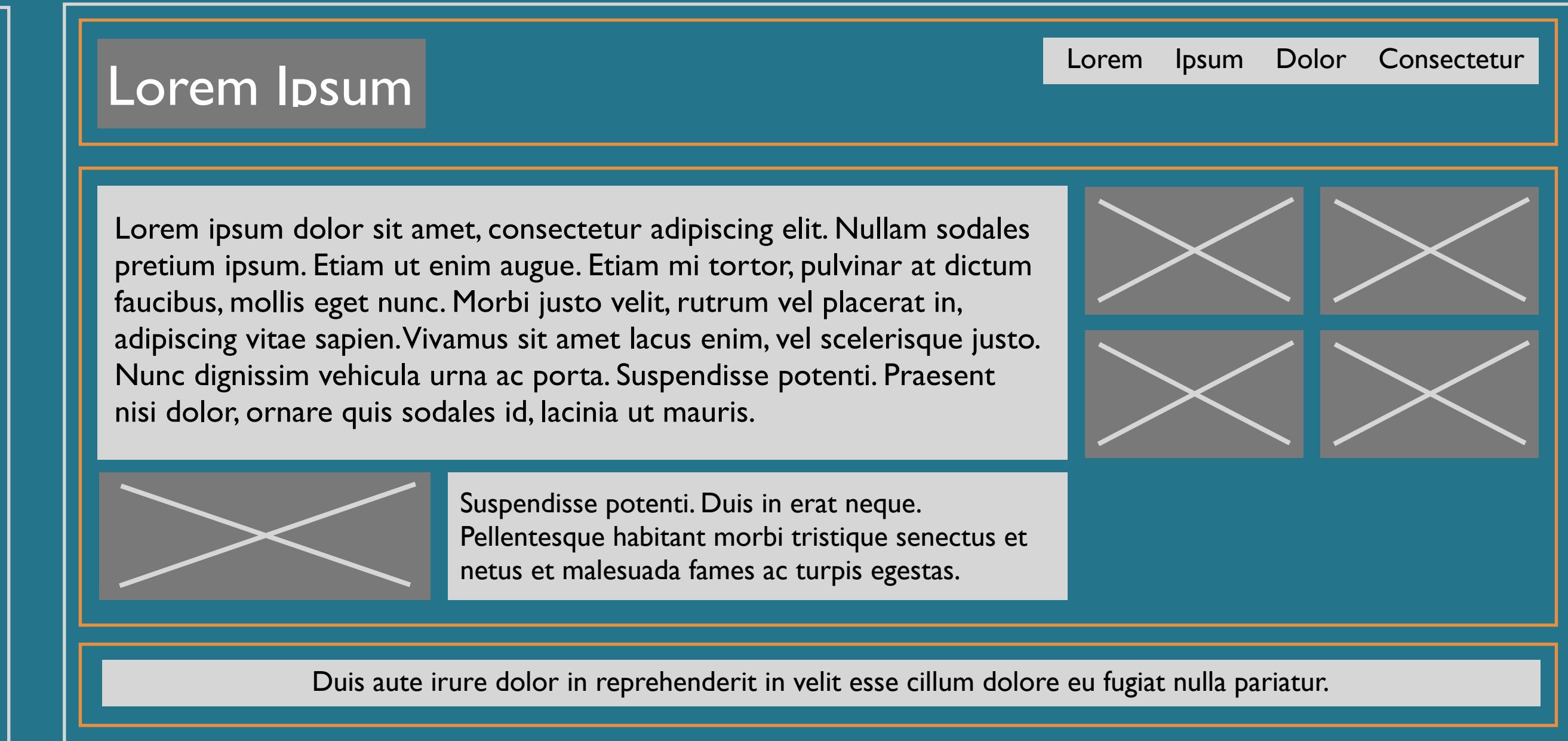
**Lorem Ipsum**

Lorem Ipsum Dolor Consectetur

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam sodales pretium ipsum. Etiam ut enim augue. Etiam mi tortor, pulvinar at dictum faucibus, mollis eget nunc. Morbi justo velit, rutrum vel placerat in, adipiscing vitae sapien. Vivamus sit amet lacus enim, vel scelerisque justo. Nunc dignissim vehicula urna ac porta. Suspendisse potenti. Praesent nisi dolor, ornare quis sodales id, lacinia ut mauris.

Suspendisse potenti. Duis in erat neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Duis aute irure dolor in reprehenderit in velit esse cillum dolore eu fugiat nulla pariatur.



# Images

```
img.large {  
width: 500px;  
height: 500px;}
```

```
img.medium {  
width: 250px;  
height: 250px;}
```

```
img.small {  
width: 100px;  
height: 100px;}
```



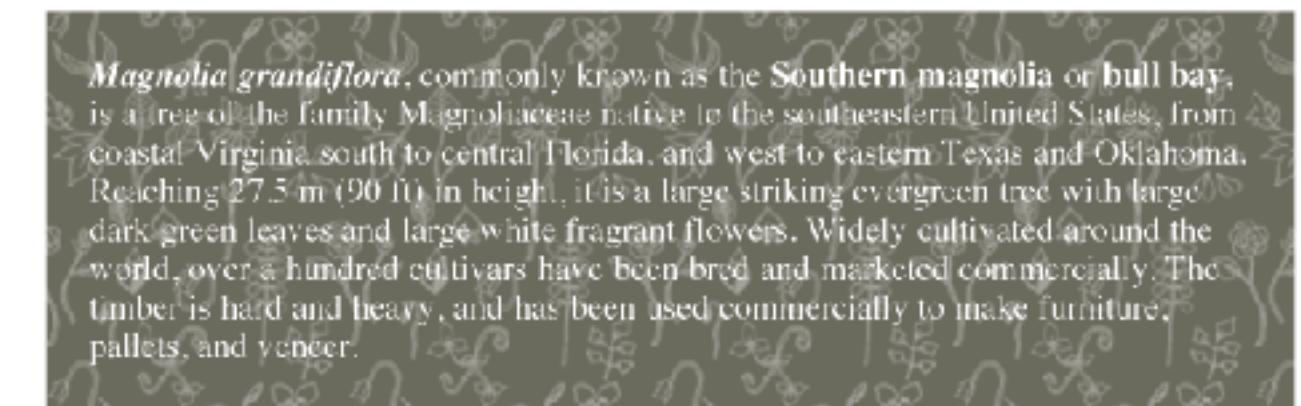
# Background Images

```
p {  
background-image: url("images/  
pattern.gif");}
```

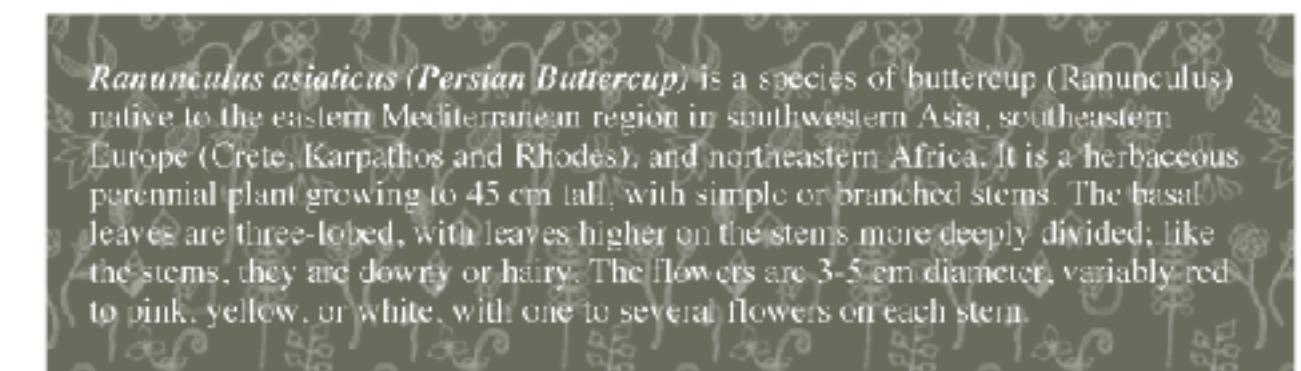


## Planting Guide

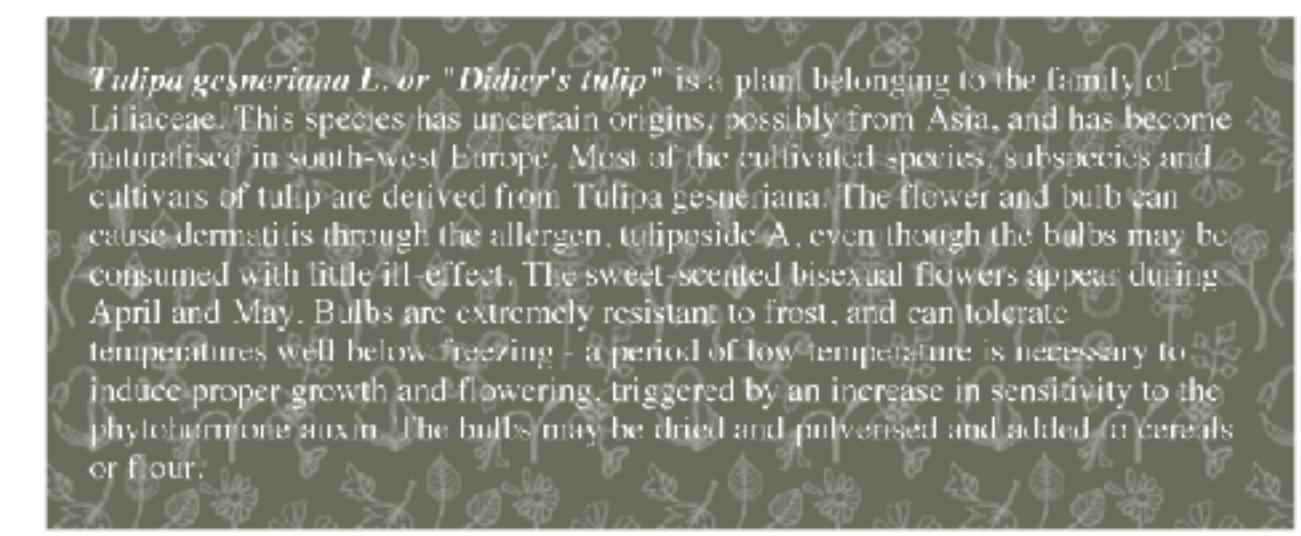
### Magnolia



### Ranunculus



### Tulip



# Background Gradients

```
background-image:  
linear-gradient(#336666,#66cccc);
```



# Style Tiles Show and Tell

<http://rwdkent.com/class/assignments/style/>



# CSS Basics 2

<http://rwdkent.com/class/assignments/css2/>



# CSS Basics Hands On



# For Next Time

CSS Basics 2

Turn In Style Tiles with One Mockup

See Readings Online

