



CSS Effects, Part 1

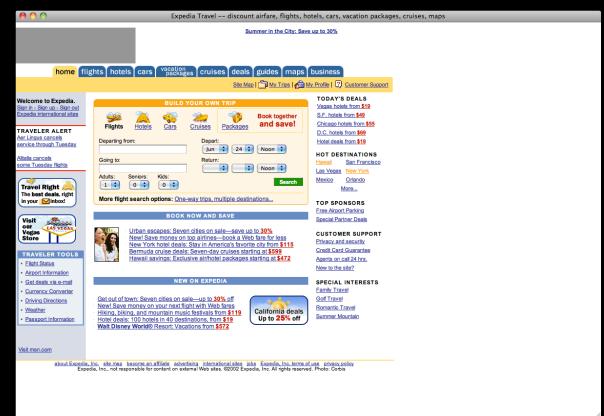
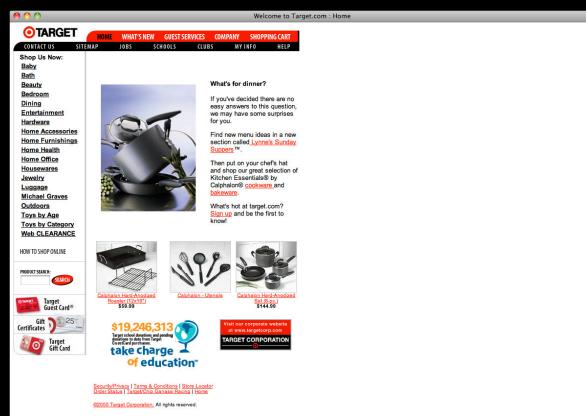
UI elements and navigation

Jing Jin

Safari and Webkit Engineer

Evolution of the Web

Then...



Evolution of the Web

...Now

Welcome To The White House

the WHITE HOUSE PRESIDENT BARACK OBAMA

the ADMINISTRATION the WHITE HOUSE our GOVERNMENT

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Departing: Time: Returning: Time:

mm/dd/yy mm/dd/yy mm/dd/yy mm/dd/yy

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Evolution of the Web

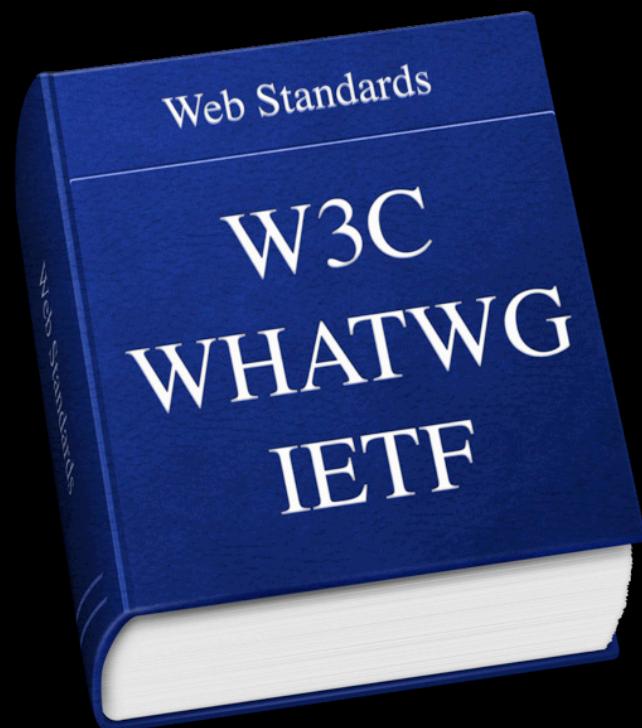
iPad



“HTML5” Technologies

HTML, CSS, JavaScript

- Lightweight
- Fast
- Accessible
- Degrades well

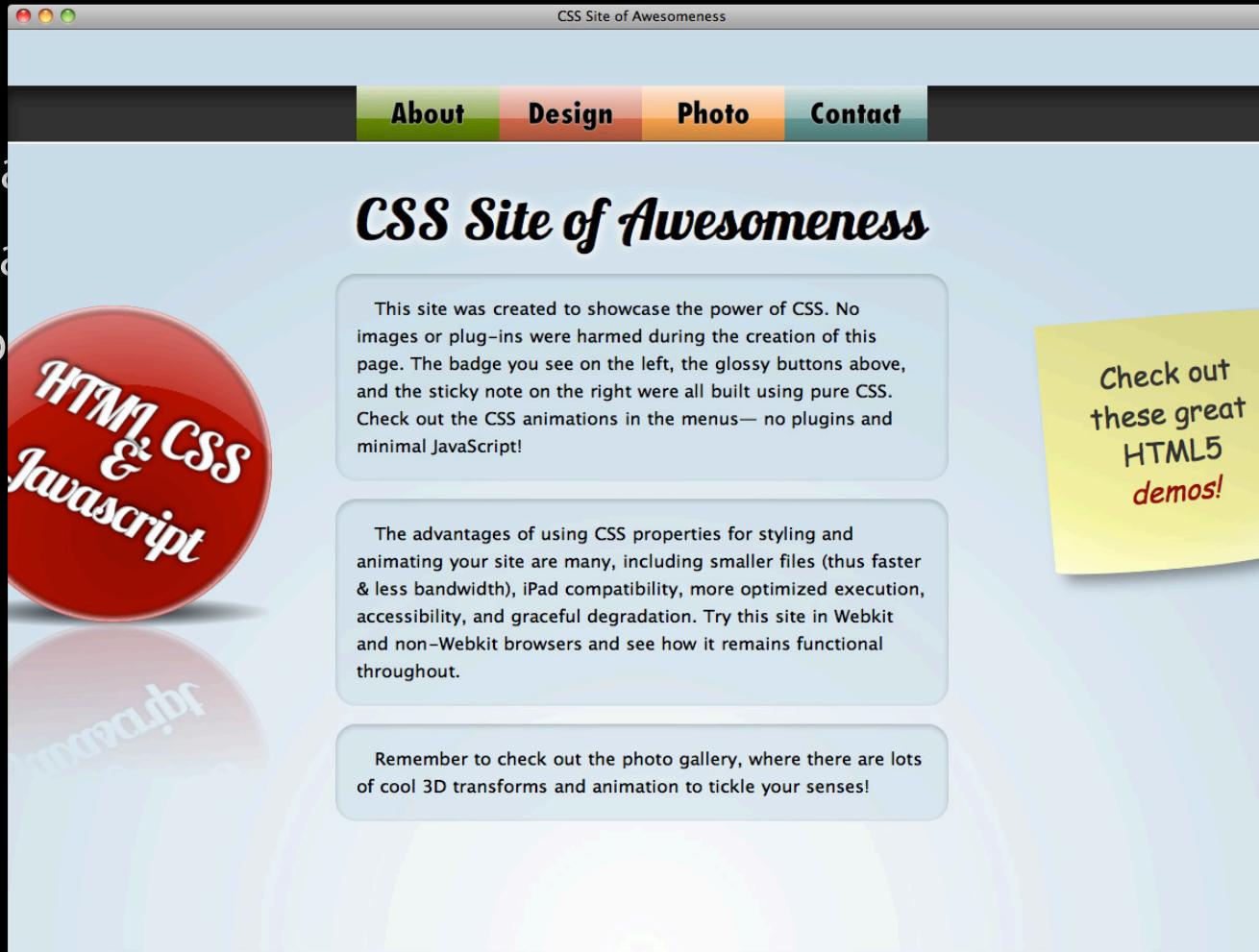


Demo

Mike Thole
Safari and Webkit Engineer

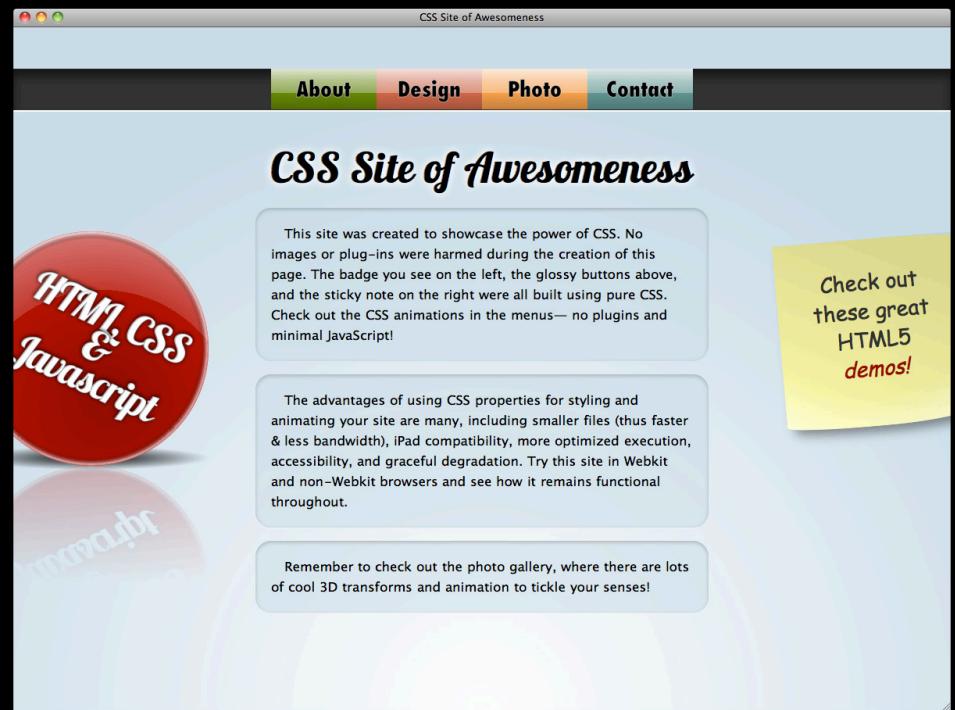
What You'll Learn

- Rich visual effects
- Maintenance-free
- Animations



What You'll Learn

- Rich visuals without images
- Maintainable and accessible text
- Animations without plugins



Creating Rich Visuals

The screenshot displays a website titled "CSS Site of Awesomeness". The header features a navigation bar with tabs: "About" (highlighted in green), "Design", "Photo" (highlighted in orange), and "Contact". A large, stylized title "CSS Site of Awesomeness" is centered above the content area. On the left, there is a red circular badge with the text "HTML & CSS Javascript". The main content area contains several text blocks enclosed in rounded rectangles, illustrating CSS styling:

- A text block explaining the site's purpose: "This site was created to showcase the power of CSS. No images or plug-ins were harmed during the creation of this page. The badge you see on the left, the glossy buttons above, and the sticky note on the right were all built using pure CSS. Check out the CSS animations in the menus—no plugins and minimal JavaScript!"
- A text block detailing the advantages of using CSS: "The advantages of using CSS properties for styling and animating your site are many, including smaller files (thus faster & less bandwidth), iPad compatibility, more optimized execution, accessibility, and graceful degradation. Try this site in Webkit and non-Webkit browsers and see how it remains functional throughout."
- A yellow sticky note on the right side with the text "Check out these great HTML5 demos!".
- A footer note at the bottom: "Remember to check out the photo gallery, where there are lots of cool 3D transforms and animation to tickle your senses!"

Annotations on the left side point to specific elements:

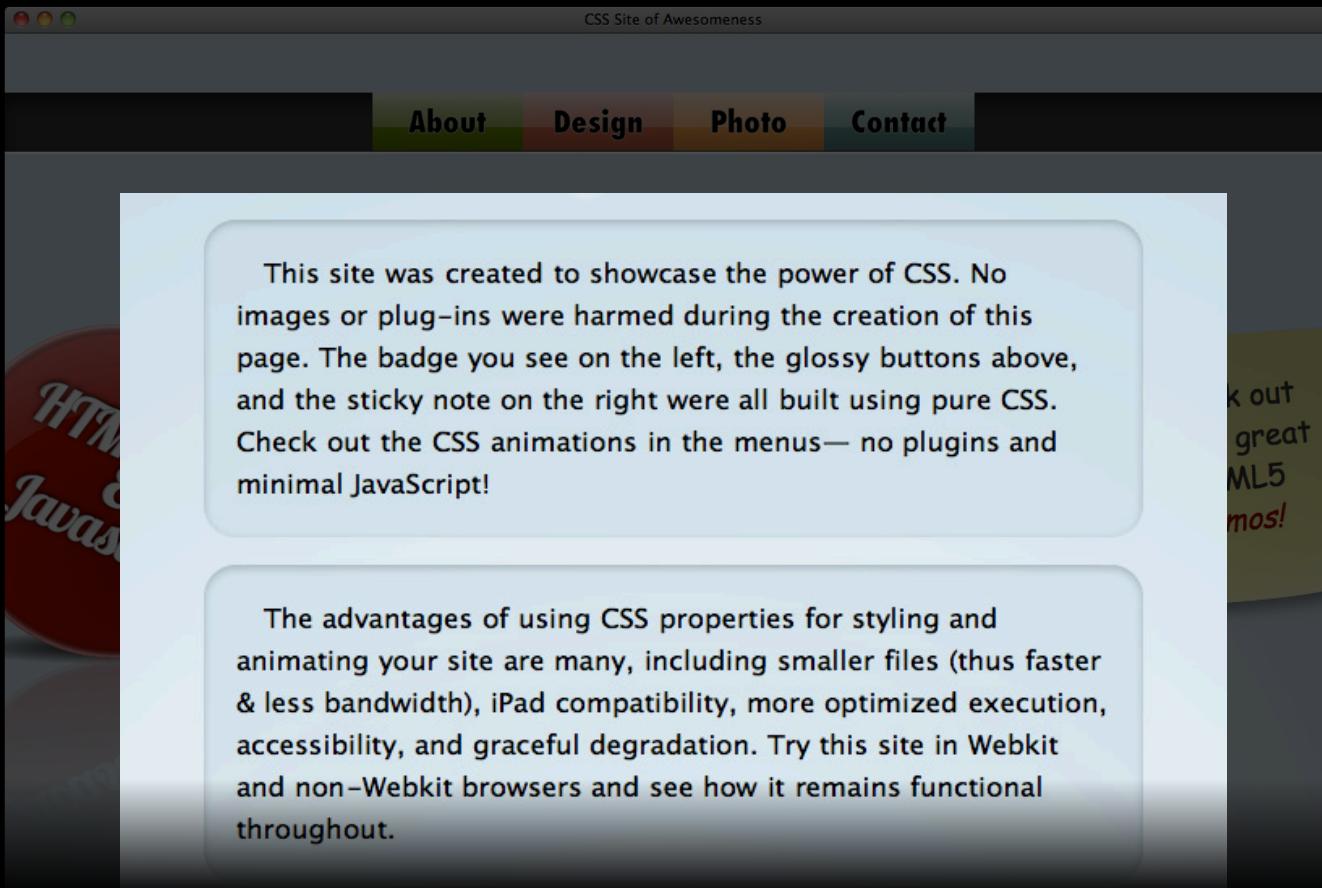
- "Glossy Buttons" points to the top navigation bar.
- "Shiny Badge" points to the red circular badge on the left.

Annotations on the right side point to specific elements:

- "Inset Paragraphs" points to the rounded text boxes containing descriptive text.

Creating Rich Visuals

Inset paragraphs



Inset Paragraphs

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar.

Rounded Corners

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar

Rounded Corners

border-radius

```
p {  
  padding: 20px;  
  background-color: rgb(203, 222, 233);  
}
```

 Lorem ipsum dolor sit amet, consectetur adipiscing elit.
 Curabitur posuere aliquam risus non mattis. Ut convallis varius
 scelerisque. Curabitur quis est et mauris varius vulputate eget eu
 tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet
 auctor pulvinar

Rounded Corners

border-radius

```
p {  
  padding: 20px;  
  background-color: rgb(203, 222, 233);  
  
  border-radius: 20px;  
}
```

Tip

 Lorem ipsum dolor sit amet, consectetur adipiscing elit.
 Curabitur posuere aliquam risus non mattis. Ut convallis varius
 scelerisque. Curabitur quis est et mauris varius vulputate eget eu
 tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet
 auctor pulvinar

Rounded Corners

border-radius

```
p {  
  padding: 20px;  
  background-color: rgb(203, 222, 233);  
  
  border-radius: 0px 20px 100px 50px;  
}
```

Tip

Tip

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar
Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Rounded Corners

border-radius

```
p {  
  padding: 20px;  
  background-color: rgb(203, 222, 233);  
  border-top-left-radius: 100px 10px;  
  border-bottom-right-radius: 100px 10px;  
}
```

Check out
these great
HTML5
demos!

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar

Shadow

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar

Shadow

-webkit-box-shadow

```
p {  
    padding: 20px;  
    background-color: rgb(203, 222, 233);  
  
    border-radius: 20px;  
}
```

 Lorem ipsum dolor sit amet, consectetur adipiscing elit.
 Curabitur posuere aliquam risus non mattis. Ut convallis varius
 scelerisque. Curabitur quis est et mauris varius vulputate eget eu
 tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet
 auctor pulvinar

Shadow

-webkit-box-shadow

```
p {  
    padding: 20px;  
    background-color: rgb(203, 222, 233);  
  
    border-radius: 20px;  
    -webkit-box-shadow: inset red 2px 5px 5px;  
}
```

 Lorem ipsum dolor sit amet, consectetur adipiscing elit.
 Curabitur posuere aliquam risus non mattis. Ut convallis varius
 scelerisque. Curabitur quis est et mauris varius vulputate eget eu
 tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet
 auctor pulvinar

Shadow

-webkit-box-shadow

```
p {  
    padding: 20px;  
    background-color: rgb(203, 222, 233);  
  
    border-radius: 20px;  
    -webkit-box-shadow: inset red 2px 5px 5px;  
}  
                                ↑  
                                style
```

 Lorem ipsum dolor sit amet, consectetur adipiscing elit.
 Curabitur posuere aliquam risus non mattis. Ut convallis varius
 scelerisque. Curabitur quis est et mauris varius vulputate eget eu
 tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet
 auctor pulvinar

Shadow

-webkit-box-shadow

```
p {  
    padding: 20px;  
    background-color: rgb(203, 222, 233);  
  
    border-radius: 20px;  
    -webkit-box-shadow: inset red 2px 5px 5px;  
}  
                                ↑  
                                color
```

 Lorem ipsum dolor sit amet, consectetur adipiscing elit.
 Curabitur posuere aliquam risus non mattis. Ut convallis varius
 scelerisque. Curabitur quis est et mauris varius vulputate eget eu
 tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet
 auctor pulvinar

Shadow

-webkit-box-shadow

```
p {  
  padding: 20px;  
  background-color: rgb(203, 222, 233);  
  
  border-radius: 20px;  
  -webkit-box-shadow: inset red 2px 5px 5px;  
}  
↑  
horizontal offset
```

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar

Shadow

-webkit-box-shadow

```
p {  
  padding: 20px;  
  background-color: rgb(203, 222, 233);  
  
  border-radius: 20px;  
  -webkit-box-shadow: inset red 2px 5px 5px;  
}  
↑  
vertical offset
```

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar

Shadow

-webkit-box-shadow

```
p {  
    padding: 20px;  
    background-color: rgb(203, 222, 233);  
  
    border-radius: 20px;  
    -webkit-box-shadow: inset red 2px 5px 5px;  
}  
                                ↑  
                                blur radius
```

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar

Shadow

-webkit-box-shadow

```
p {  
    padding: 20px;  
    background-color: rgb(203, 222, 233);  
  
    border-radius: 20px;  
    -webkit-box-shadow: inset black 0px 5px 5px;  
}
```

Tip

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar

Shadow

-webkit-box-shadow

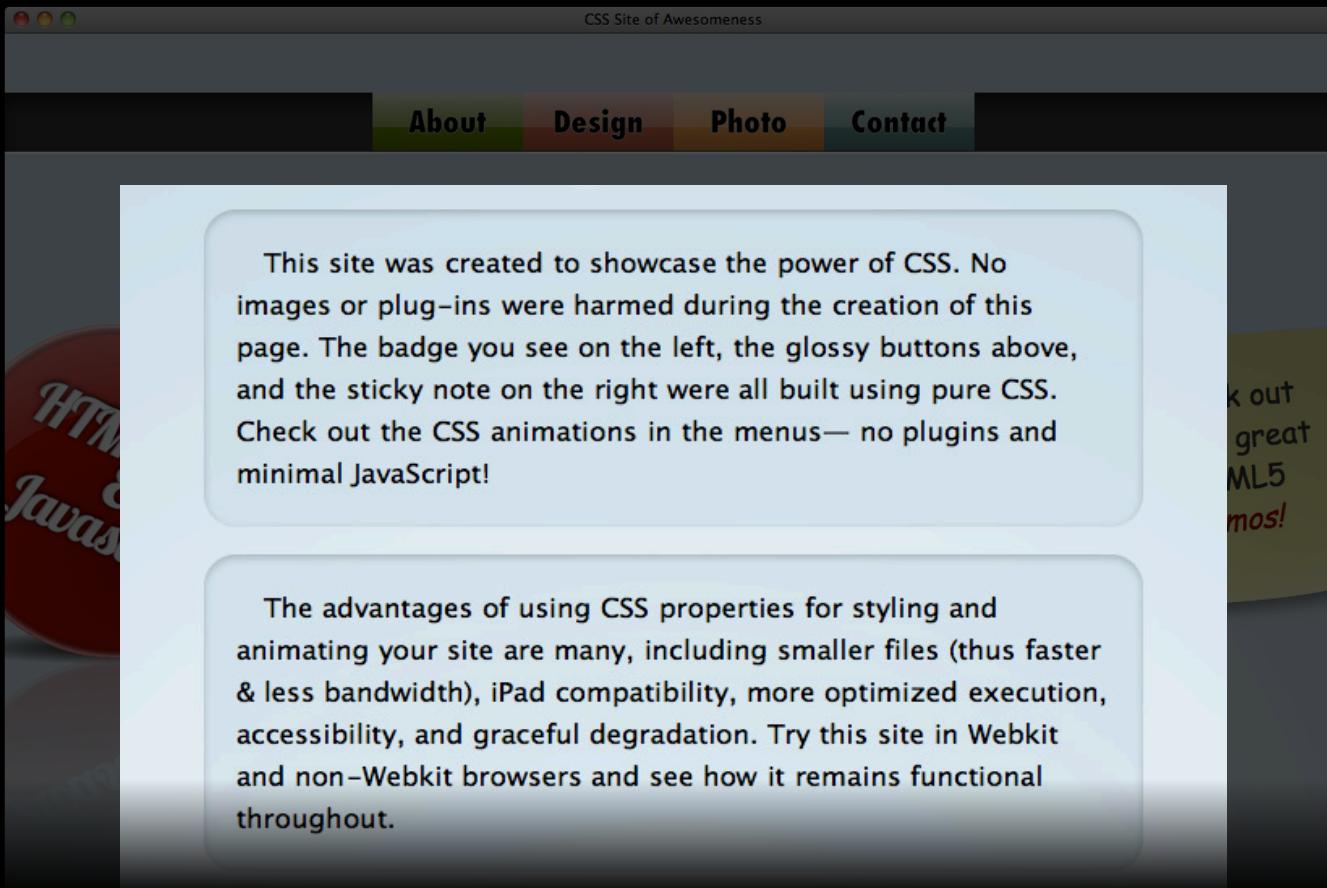
```
p {  
    padding: 20px;  
    background-color: rgb(203, 222, 233);  
  
    border-radius: 20px;  
    -webkit-box-shadow: blue 0px 5px 5px;  
}
```

Tip

Curabitur posuere aliquam risus non mattis. Ut convallis varius scelerisque. Curabitur quis est et mauris varius vulputate eget eu tellus. Quisque congue tincidunt ligula in facilisis. Ut imperdiet auctor pulvinar
Lorem ipsum dolor sit amet, consectetur adipiscing elit.

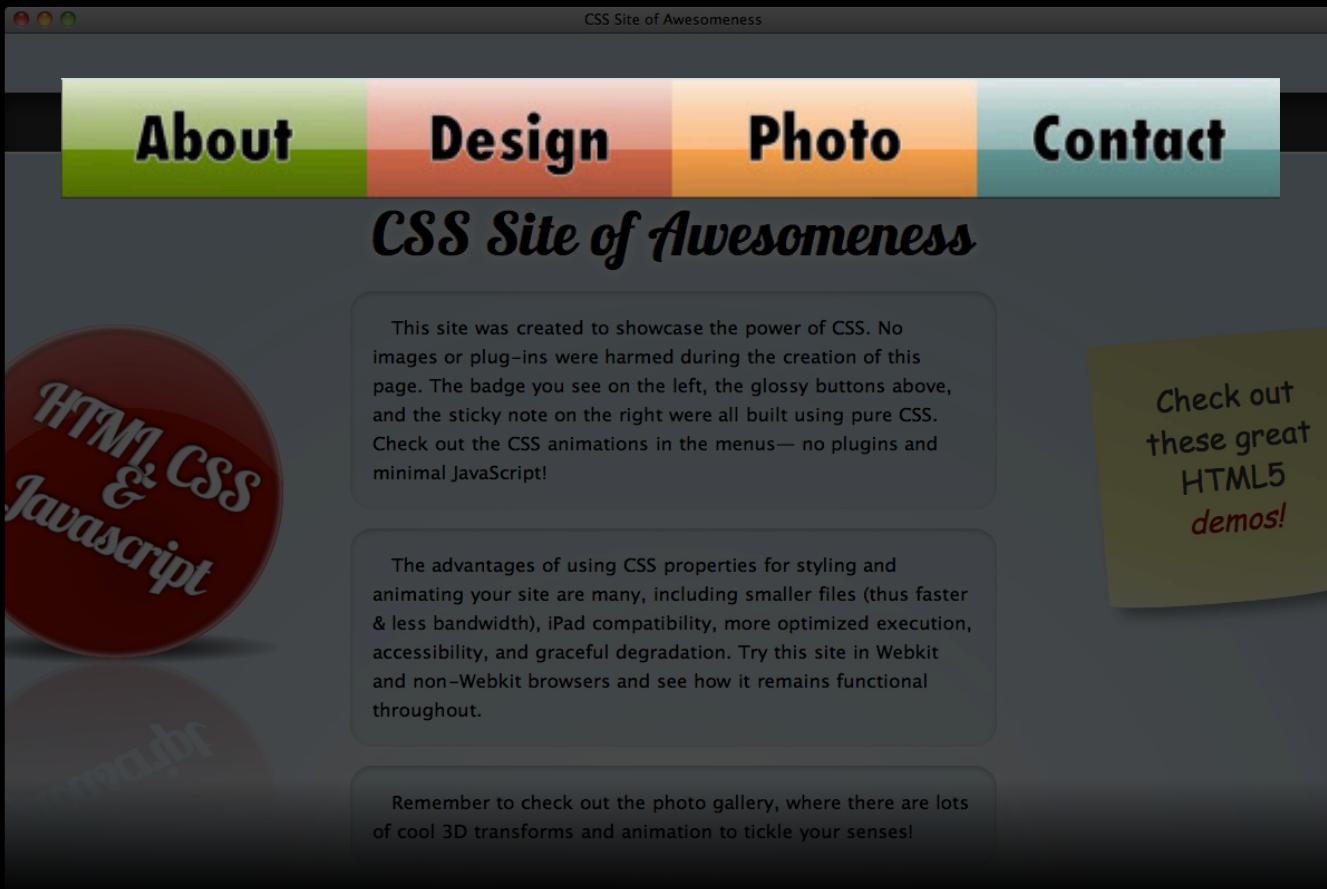
Creating Rich Visuals

Inset paragraphs

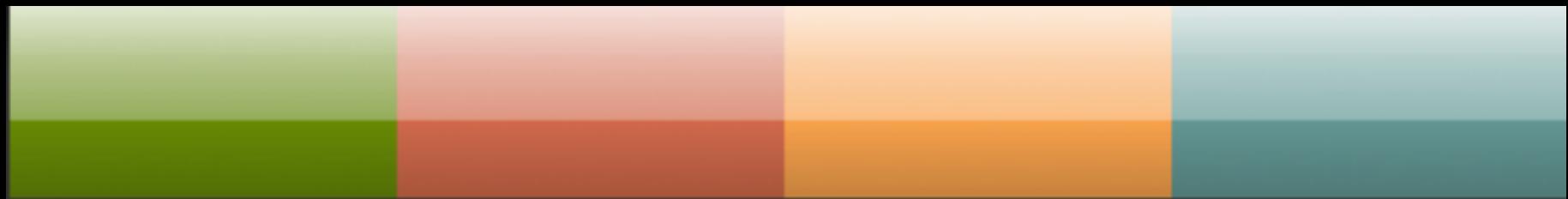


Creating Rich Visuals

Glossy buttons



Glossy Buttons



Glossy Buttons

-webkit-gradient



```
div {  
background-color: orange;  
background-image: url('gradient.png');  
}
```

Glossy Buttons

-webkit-gradient



```
div {  
background-color: orange;  
background-image: url('gradient.png');  
}
```

Glossy Buttons

-webkit-gradient



```
div {  
background-color: orange;  
background-image: -webkit-gradient(...);  
}
```

Glossy Buttons

-webkit-gradient

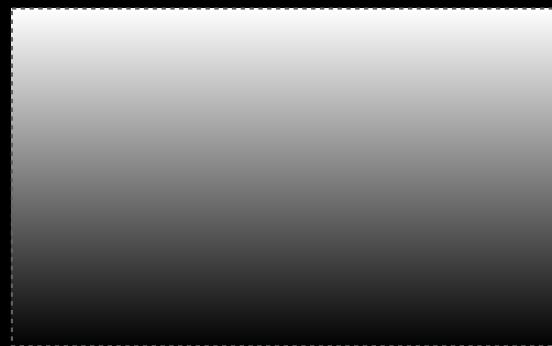
-webkit-gradient(**linear**

 **Type of gradient**

Glossy Buttons

-webkit-gradient

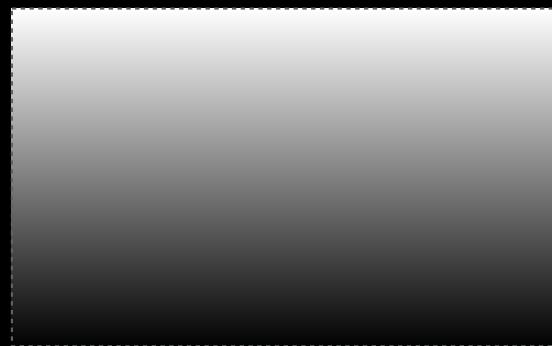
`-webkit-gradient(linear,
left top ← Starting point`



Glossy Buttons

-webkit-gradient

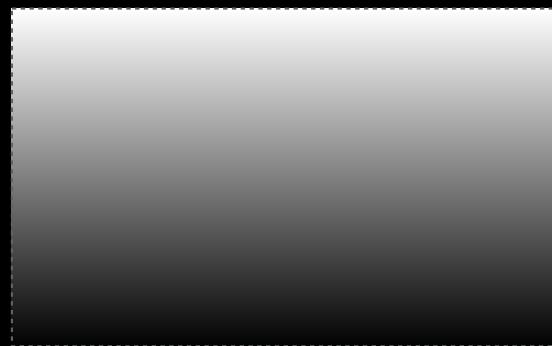
```
-webkit-gradient(linear,  
    left top,  
    left bottom) ← Ending point
```



Glossy Buttons

-webkit-gradient

```
-webkit-gradient(linear,  
    left top,  
    left bottom,  
    from(white) ← Starting color
```



Glossy Buttons

-webkit-gradient

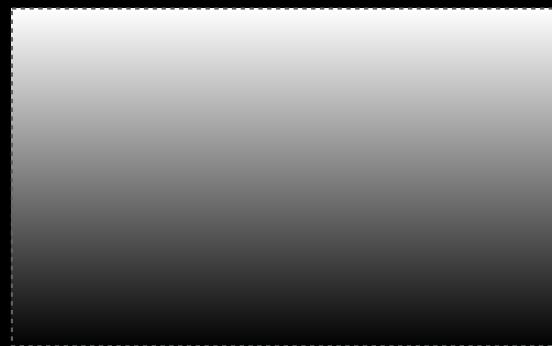
```
-webkit-gradient(linear,  
    left top,  
    left bottom,  
    from(white),  
    to(transparent)) ← Ending color
```



Glossy Buttons

-webkit-gradient

```
-webkit-gradient(linear,  
    left top,  
    left bottom,  
    from(white),  
    to(transparent))
```



Glossy Buttons

-webkit-gradient

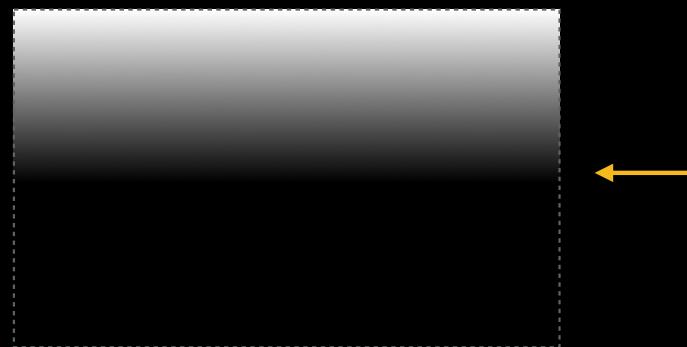
```
-webkit-gradient(linear,  
    left top,  
    left bottom,  
    from(white),  
    color-stop(0.5, transparent)  
    to(transparent))
```



Glossy Buttons

-webkit-gradient

```
-webkit-gradient(linear,  
    left top,  
    left bottom,  
    from(white),  
    color-stop(0.5, transparent)  
    to(transparent))
```



Glossy Buttons

-webkit-gradient

```
-webkit-gradient(linear,  
    left top,  
    left bottom,  
    from(white),  
    color-stop(0.5, transparent)  
    to(transparent))
```



Glossy Buttons

-webkit-gradient

```
-webkit-gradient(linear,  
    left top,  
    left bottom,  
    from(rgba(255, 255, 255, 0.8)),  
    color-stop(0.3, rgba(255, 255, 255, 0.5)),  
    color-stop(0.6, rgba(255, 255, 255, 0.3)),  
    color-stop(0.6, transparent),  
    to(transparent))
```



Glossy Buttons

-webkit-gradient

```
div {  
background-color: orange;  
background-image: -webkit-gradient(linear, left top, left bottom,  
from(rgba(255, 255, 255, 0.8)),  
color-stop(0.3, rgba(255, 255, 255, 0.5)),  
color-stop(0.6, rgba(255, 255, 255, 0.3)),  
color-stop(0.6, transparent), to(transparent));  
}
```



Glossy Buttons

-webkit-gradient

```
div {  
background-color: orange;  
background-image: -webkit-gradient(linear, left top, right bottom,  
from(rgba(255, 255, 255, 0.8)),  
color-stop(0.3, rgba(255, 255, 255, 0.5)),  
color-stop(0.6, rgba(255, 255, 255, 0.3)),  
color-stop(0.6, transparent), to(transparent));  
}
```



Glossy Buttons

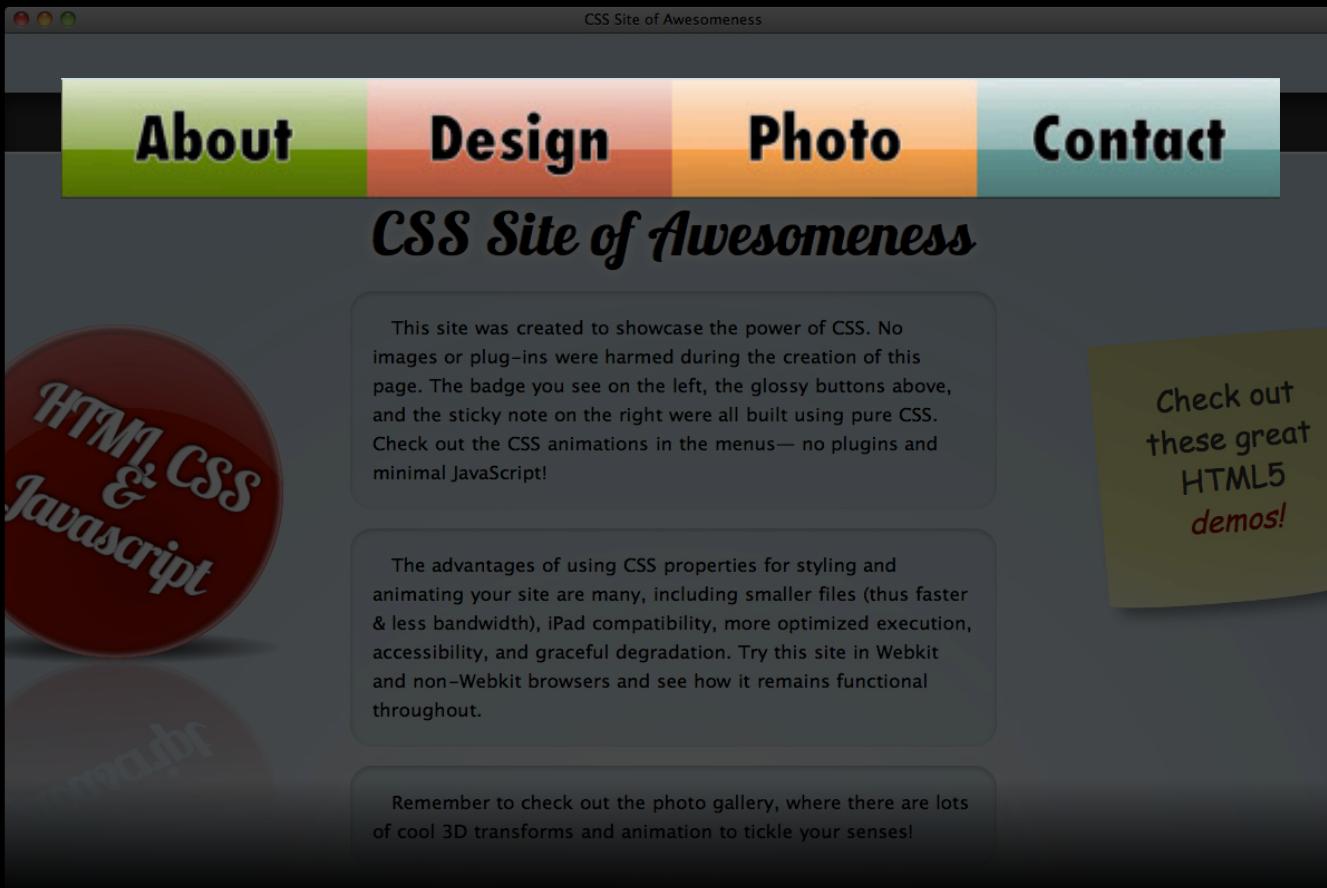
-webkit-gradient

```
div {  
  background-color: orange;  
  background-image: -webkit-gradient(linear, left top, right bottom,  
}      .5),  
      .3)),  
      transparent));
```



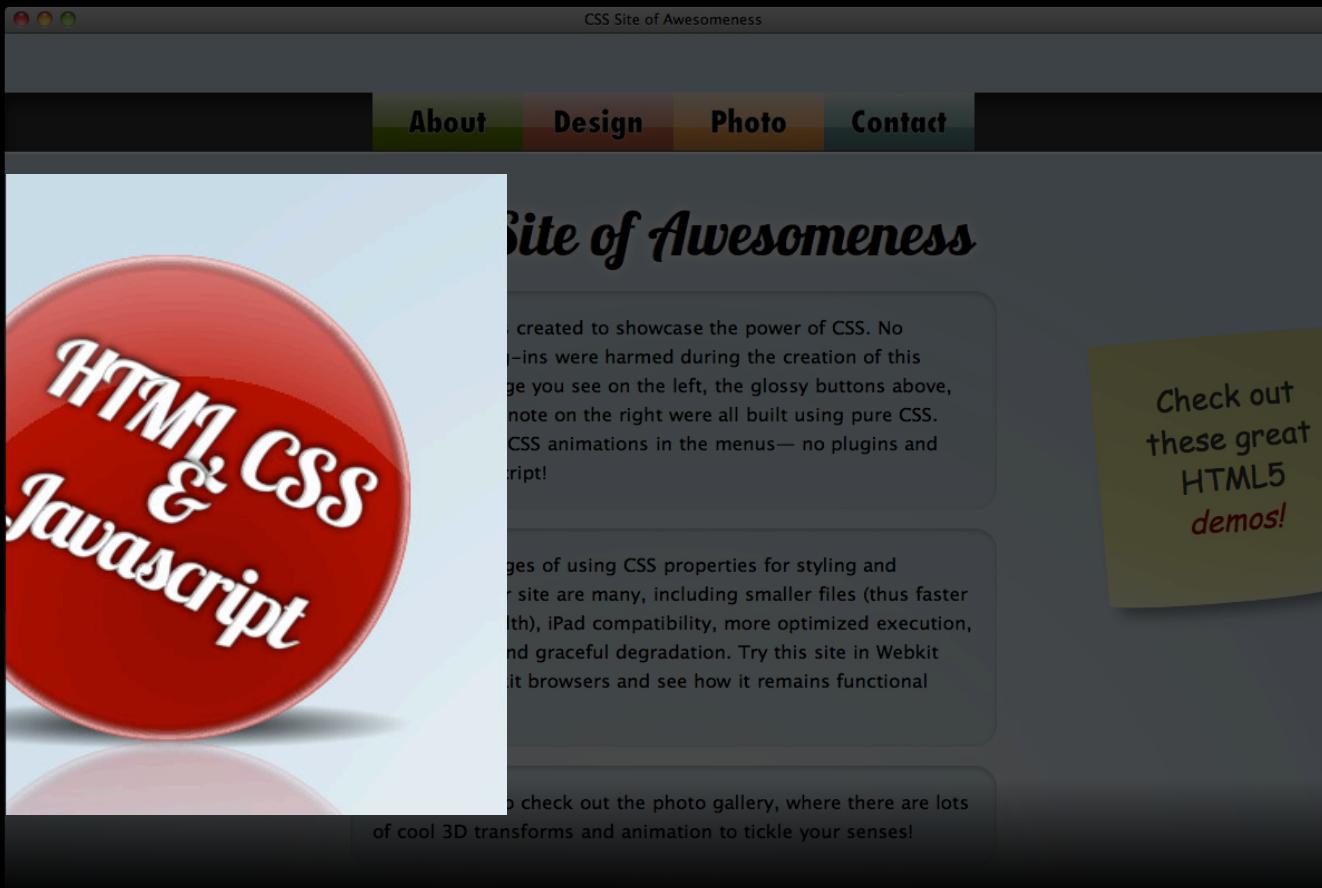
Creating Rich Visuals

Glossy buttons

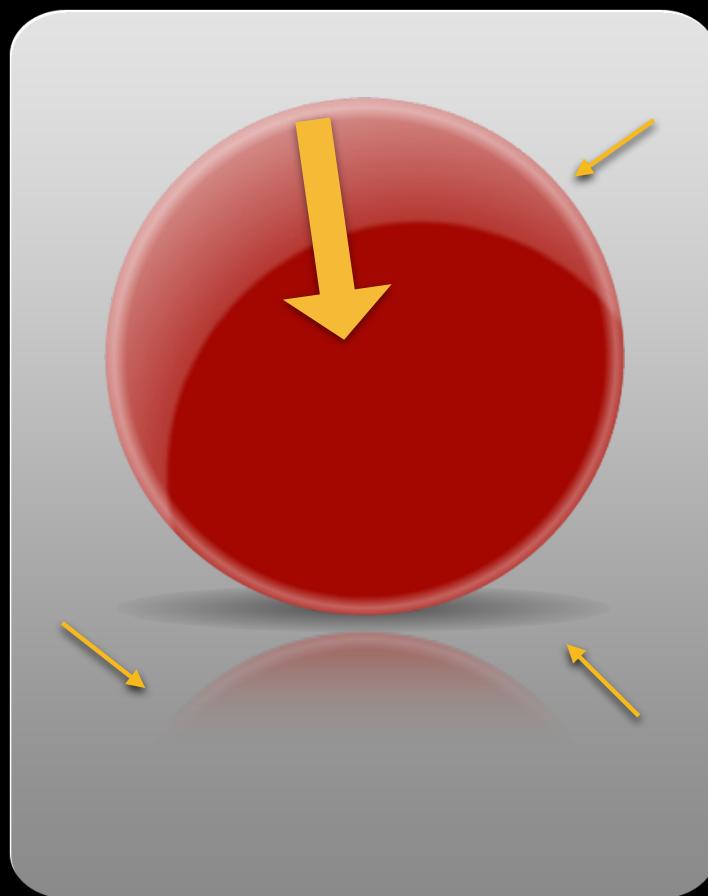


Creating Rich Visuals

Shiny badge



Shiny Badge



Shiny Badge

```
#badge {  
  width: 500px; height: 500px;  
  background-color: red;  
}
```



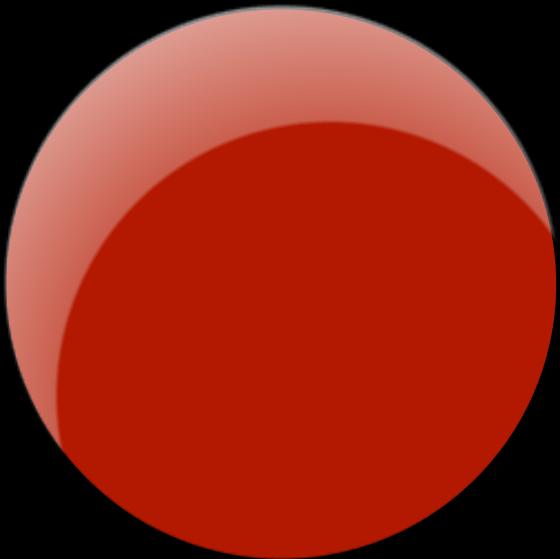
Shiny Badge

```
#badge {  
  width: 500px; height: 500px;  
  background-color: red;  
  border-radius: 50%;  
}
```



Shiny Badge

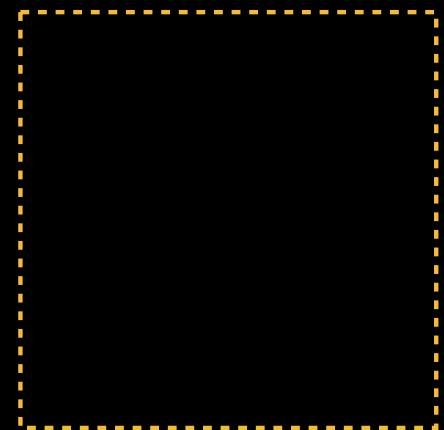
-webkit-gradient



Shiny Badge

-webkit-gradient

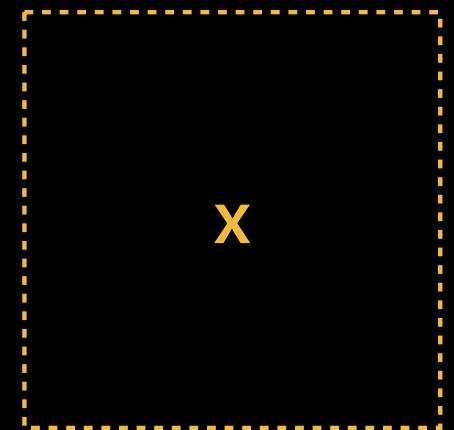
-webkit-gradient(radial ← Type of gradient



Shiny Badge

-webkit-gradient

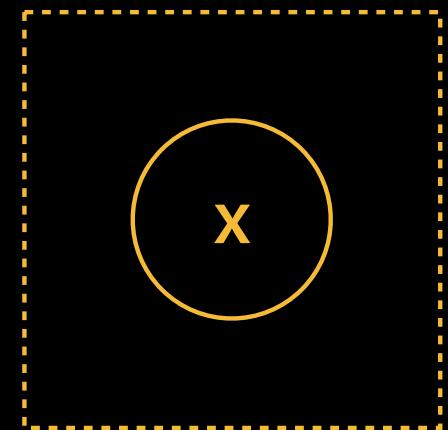
-webkit-gradient(radial,
center center ← Inner circle origin



Shiny Badge

-webkit-gradient

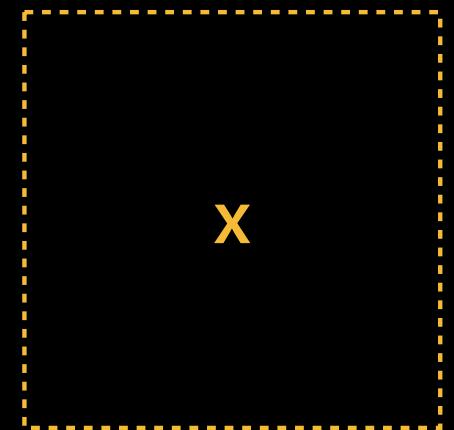
```
-webkit-gradient(radial,  
    center center,  
    250) ← Inner circle radius
```



Shiny Badge

-webkit-gradient

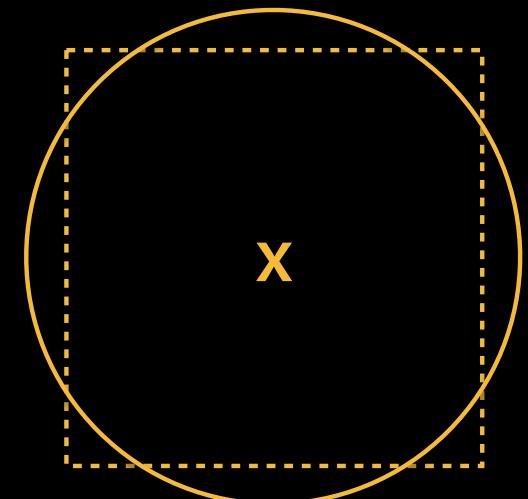
```
-webkit-gradient(radial,  
                 center center,  
                 250,  
                 center center) ← Outer circle origin
```



Shiny Badge

-webkit-gradient

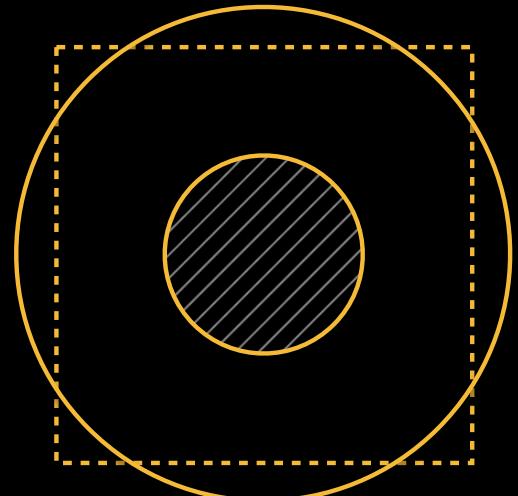
```
-webkit-gradient(radial,  
                 center center,  
                 250,  
                 center center,  
                 600) ← Outer circle radius
```



Shiny Badge

-webkit-gradient

```
-webkit-gradient(radial,  
                 center center,  
                 250,  
                 center center,  
                 600,  
                 from(transparent) ← Color inside  
                           inner circle
```

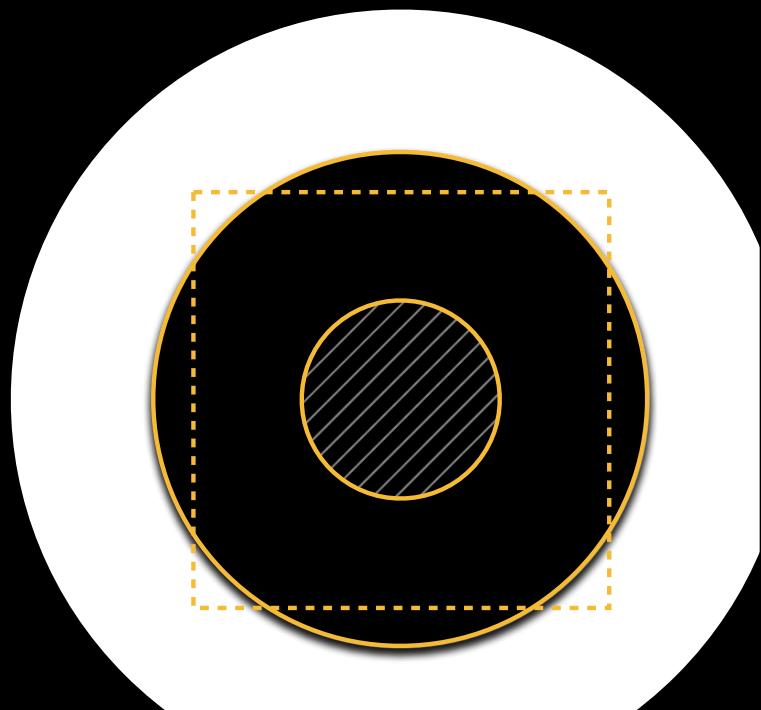


Shiny Badge

-webkit-gradient

```
-webkit-gradient(radial,  
                 center center,  
                 250,  
                 center center,  
                 600,  
                 from(transparent)
```

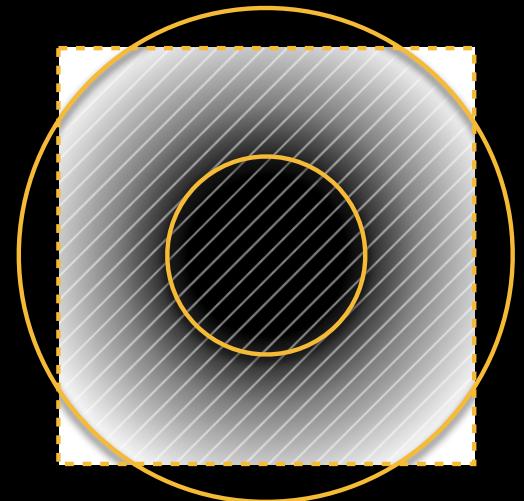
Color outside → to(white)
outer circle



Shiny Badge

-webkit-gradient

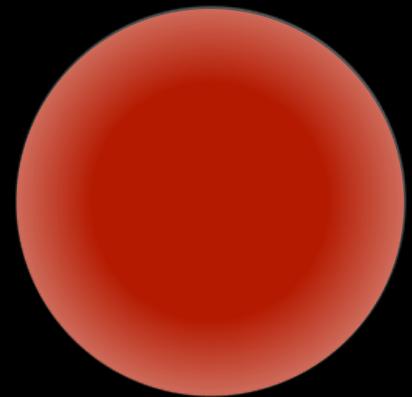
```
-webkit-gradient(radial,  
                 center center,  
                 250,  
                 center center,  
                 600,  
                 from(transparent)  
                 to(white))
```



Shiny Badge

-webkit-gradient

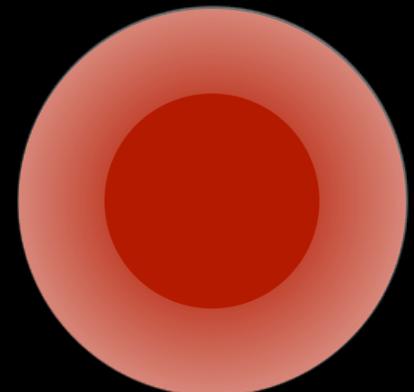
```
#badge {  
background-color: red;  
background-image: -webkit-gradient(radial,  
center center, 250, center center, 600,  
from(transparent), to(white));  
}
```



Shiny Badge

-webkit-gradient

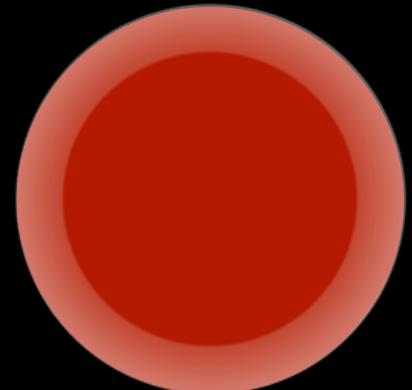
```
#badge {  
background-color: red;  
background-image: -webkit-gradient(radial,  
center center, 250, center center, 600,  
from(transparent),  
color-stop(0.5, transparent),  
color-stop(0.5, rgba(255, 255, 255, 0.2)),  
to(white));  
}
```



Shiny Badge

-webkit-gradient

```
#badge {  
background-color: red;  
background-image: -webkit-gradient(radial,  
center center, 400, center center, 600,  
from(transparent),  
color-stop(0.5, transparent),  
color-stop(0.5, rgba(255, 255, 255, 0.2)),  
to(white));  
}
```

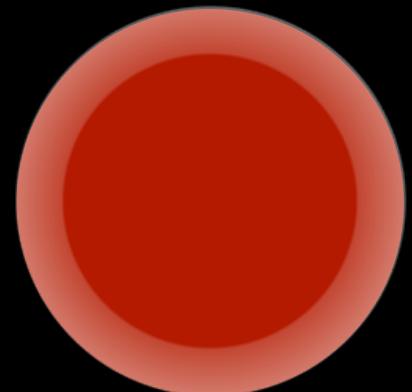


Shiny Badge

-webkit-gradient

Tip

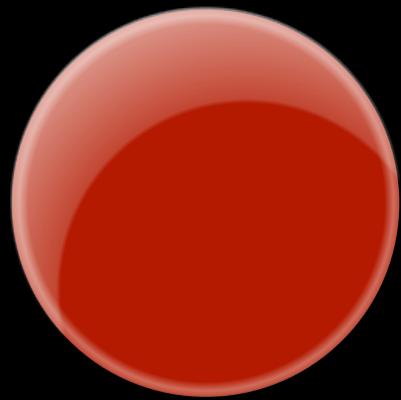
```
#badge {  
background-color: red;  
background-image: -webkit-gradient(radial,  
300 350, 400, 250 500, 600,  
from(transparent),  
color-stop(0.5, transparent),  
color-stop(0.5, rgba(255, 255, 255, 0.2)),  
to(white));  
}
```



Shiny Badge

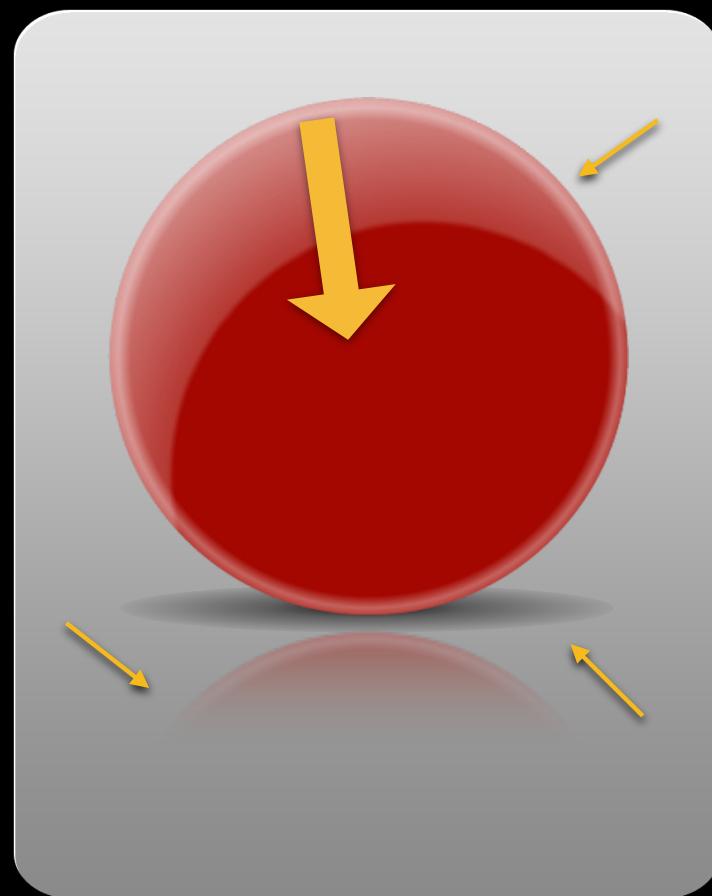
-webkit-gradient

Tip



```
#badge {  
background-color: red;  
background-image: -webkit-gradient(radial, ...),  
                 -webkit-gradient(radial, ...)  
}
```

Shiny Badge



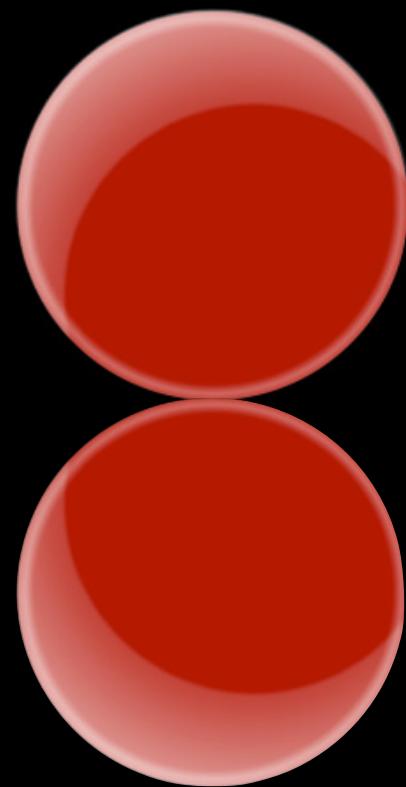
Shiny Badge

-webkit-box-reflect

-webkit-box-reflect: below



direction of the reflection



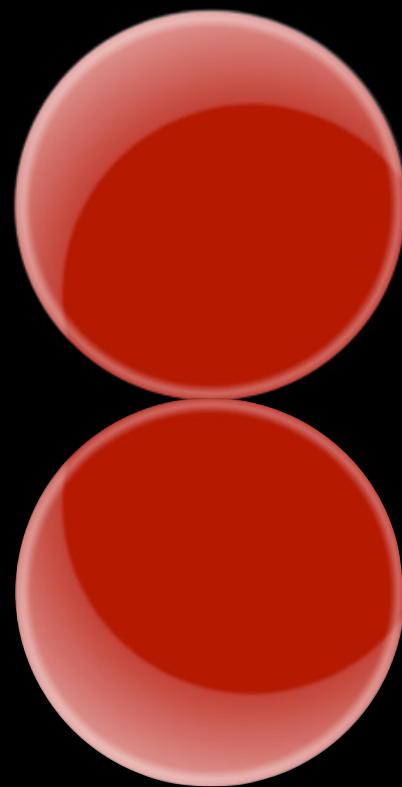
Shiny Badge

-webkit-box-reflect

-webkit-box-reflect: below
0px



offset in the specified direction



Shiny Badge

-webkit-box-reflect

-webkit-box-reflect: below

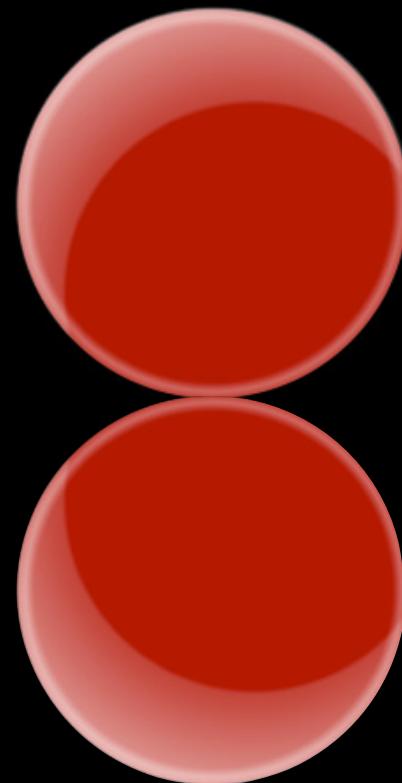
0px

url('white.png')

Tip



mask image



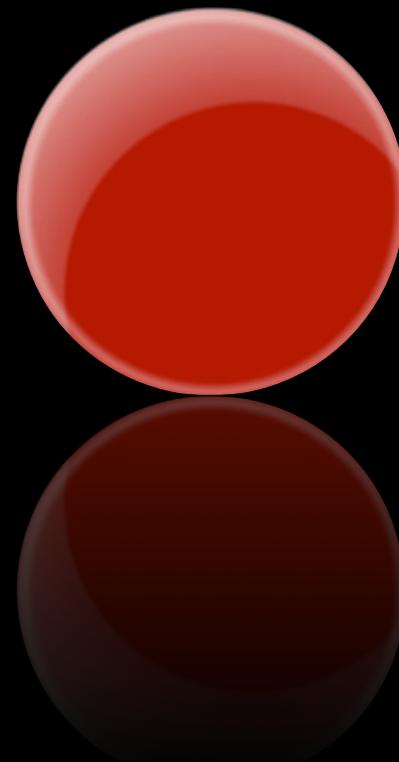
Shiny Badge

-webkit-box-reflect

-webkit-box-reflect: below
0px

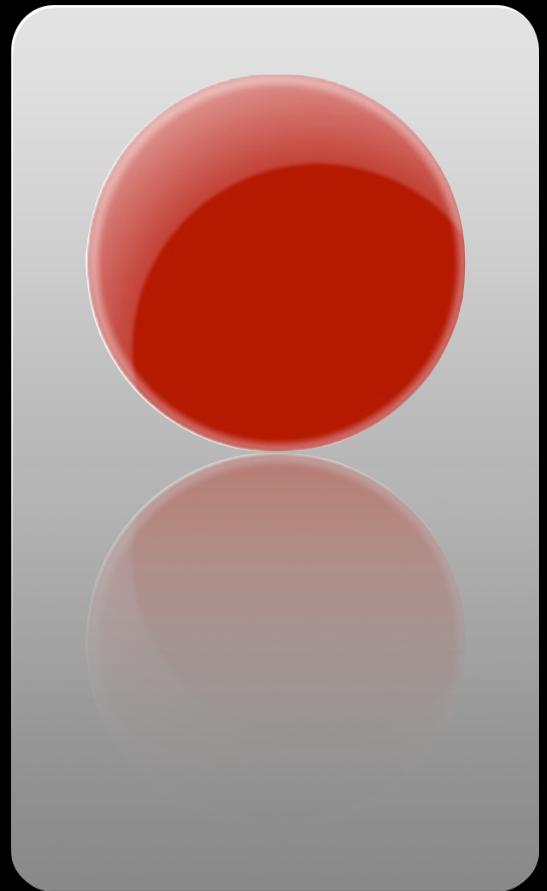
Tip

-webkit-gradient(linear,
left top, left bottom,
from(black), to(gray))



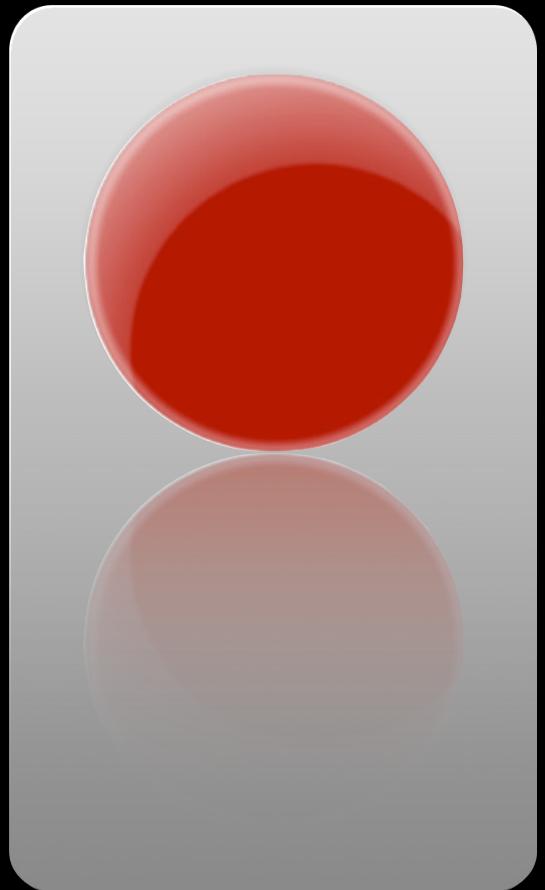
Shiny Badge

```
#badge:after {  
  width: 500px;  
  height: 500px;  
}
```



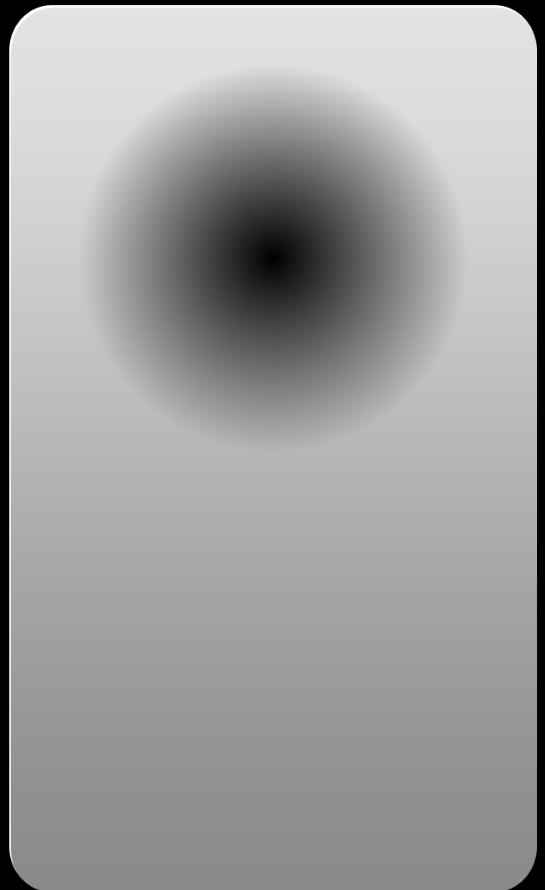
Shiny Badge

```
#badge:after {  
    width: 500px;  
    height: 500px;  
  
    background-image: -webkit-gradient  
(radial, center center, 0, center  
center, 250, from(black), to  
(transparent));  
}
```



Shiny Badge

```
#badge:after {  
    width: 500px;  
    height: 500px;  
  
    background-image: -webkit-gradient(  
        radial, center center, 0, center  
        center, 250, from(black), to  
        (transparent);  
  
    -webkit-transform:  
}
```



-webkit-transform

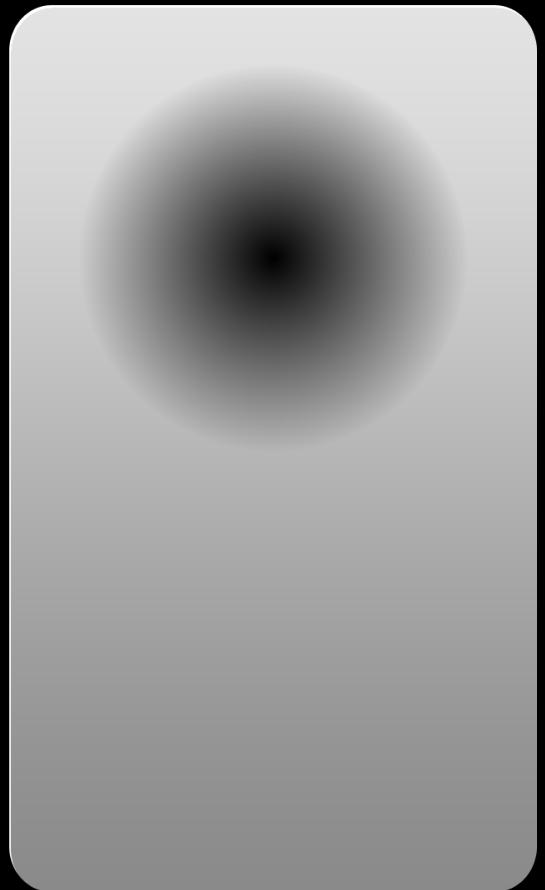
rotate, skew, scale, translate

- rotate(45deg)
- skew(20deg, 0deg)
- scale(1.5, 1.5)
 - scaleX(1.5), scaleY(1.5)
- translate(100px, 50px)
 - translateX(100px), translateY(50px)



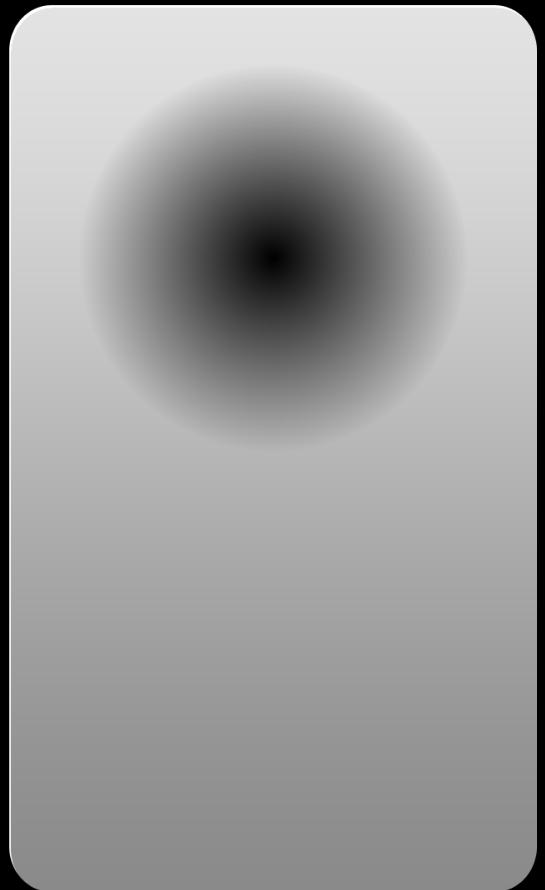
Shiny Badge

```
#badge:after {  
    width: 500px;  
    height: 500px;  
  
    background-image: -webkit-gradient(  
        radial, center center, 0, center  
        center, 250, from(black), to  
        (transparent);  
  
    -webkit-transform:  
}
```



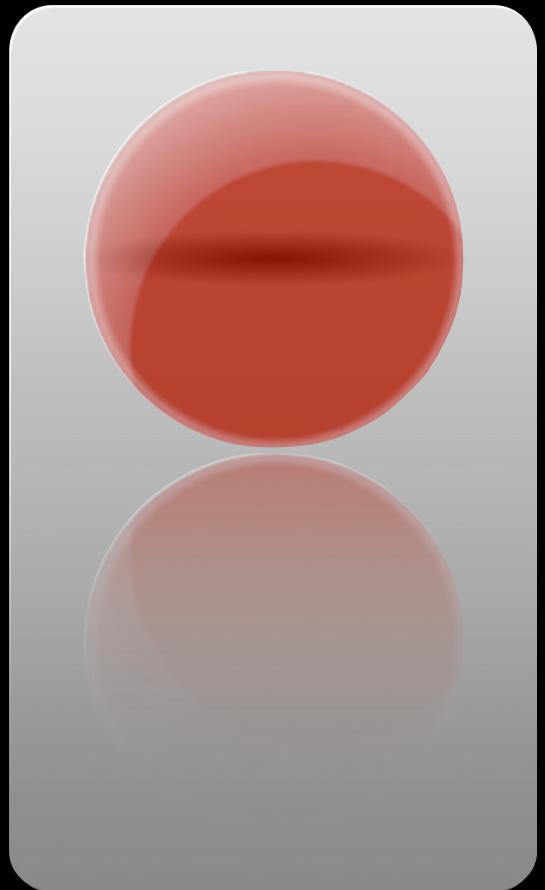
Shiny Badge

```
#badge:after {  
    width: 500px;  
    height: 500px;  
  
    background-image: -webkit-gradient  
(radial, center center, 0, center  
center, 250, from(black), to  
(transparent));  
  
    -webkit-transform: scaleY(0.1)  
}
```



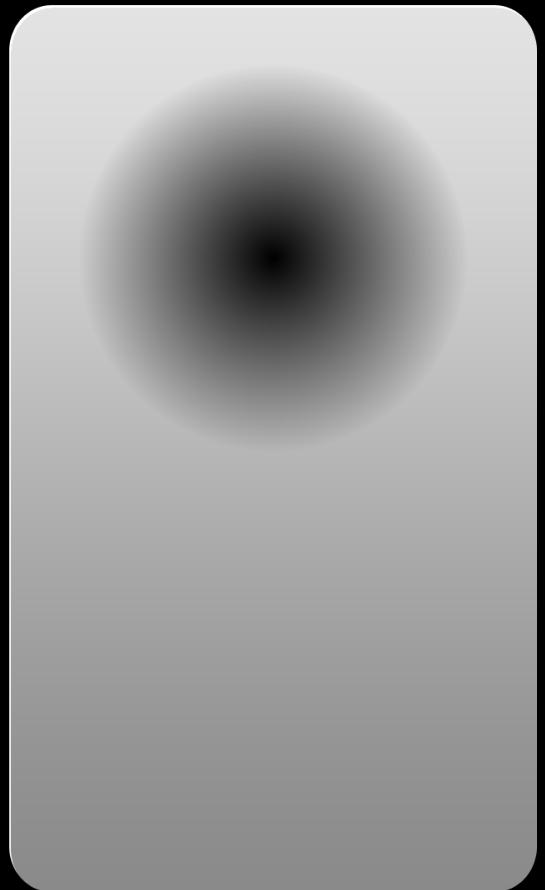
Shiny Badge

```
#badge:after {  
    width: 500px;  
    height: 500px;  
  
    background-image: -webkit-gradient(  
        radial, center center, 0, center  
        center, 250, from(black), to  
        (transparent);  
  
    -webkit-transform: scaleY(0.1)  
}
```



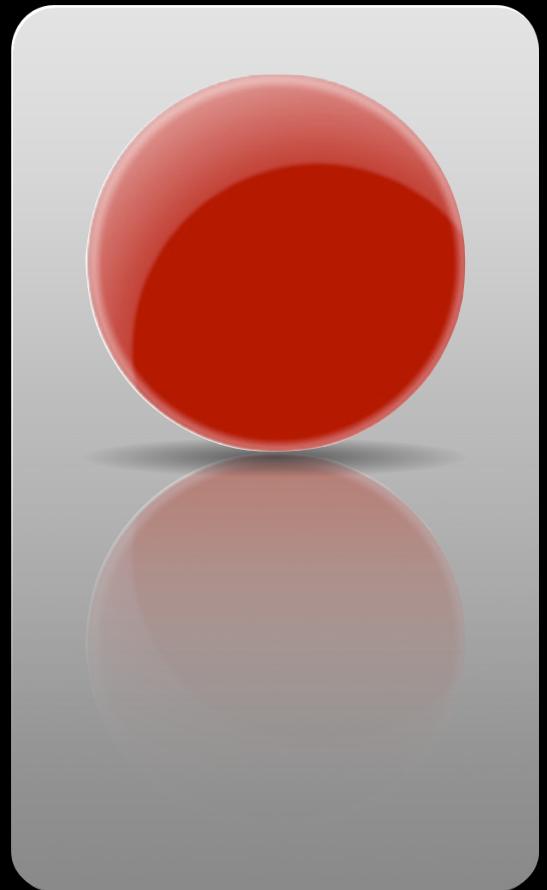
Shiny Badge

```
#badge:after {  
    width: 500px;  
    height: 500px;  
  
    background-image: -webkit-gradient  
(radial, center center, 0, center  
center, 250, from(black), to  
(transparent));  
  
    -webkit-transform: scaleY(0.1);  
    -webkit-transform-origin: bottom;  
}
```

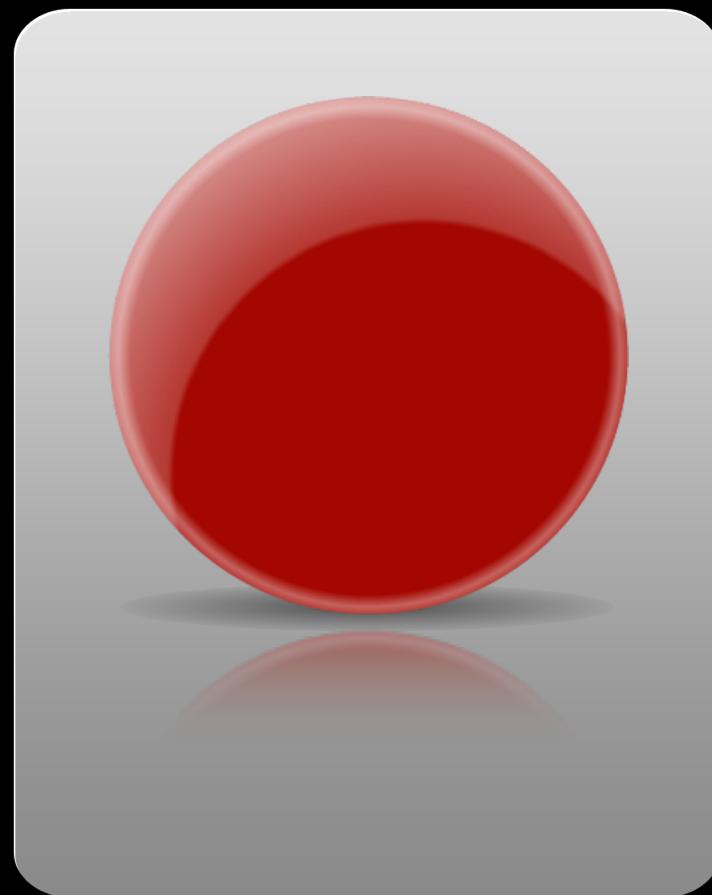


Shiny Badge

```
#badge:after {  
    width: 500px;  
    height: 500px;  
  
    background-image: -webkit-gradient(  
        radial, center center, 0, center  
        center, 250, from(black), to  
        (transparent);  
  
    -webkit-transform: scaleY(0.1);  
    -webkit-transform-origin: bottom;  
}
```



Shiny Badge



Creating Rich Visuals



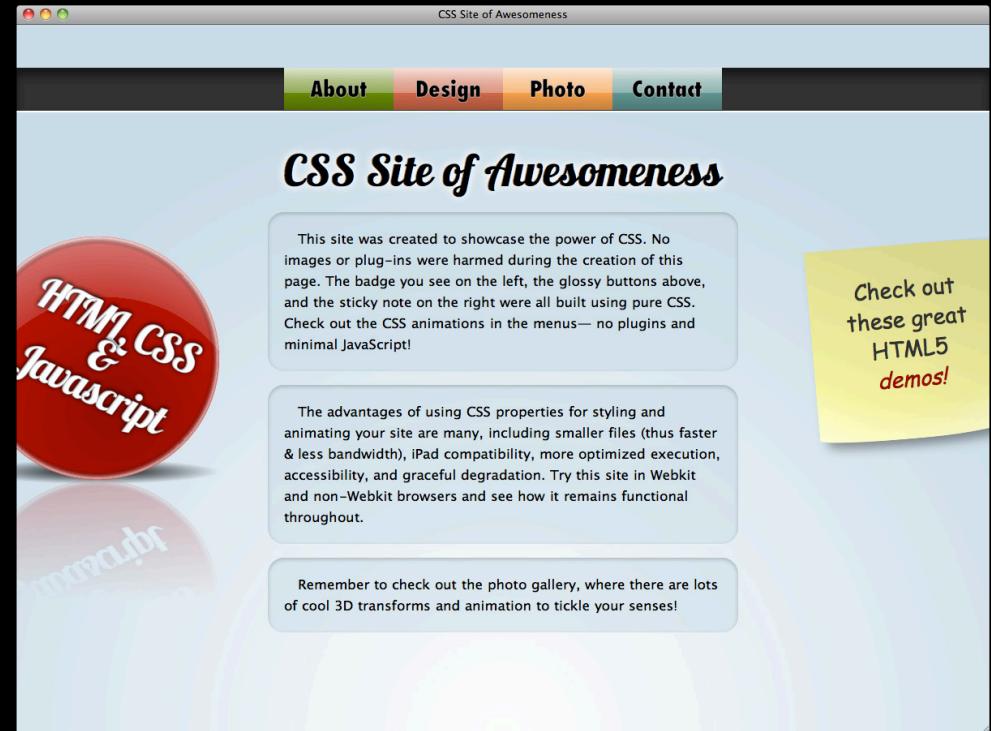
Creating Rich Visuals

28 Images

190KB

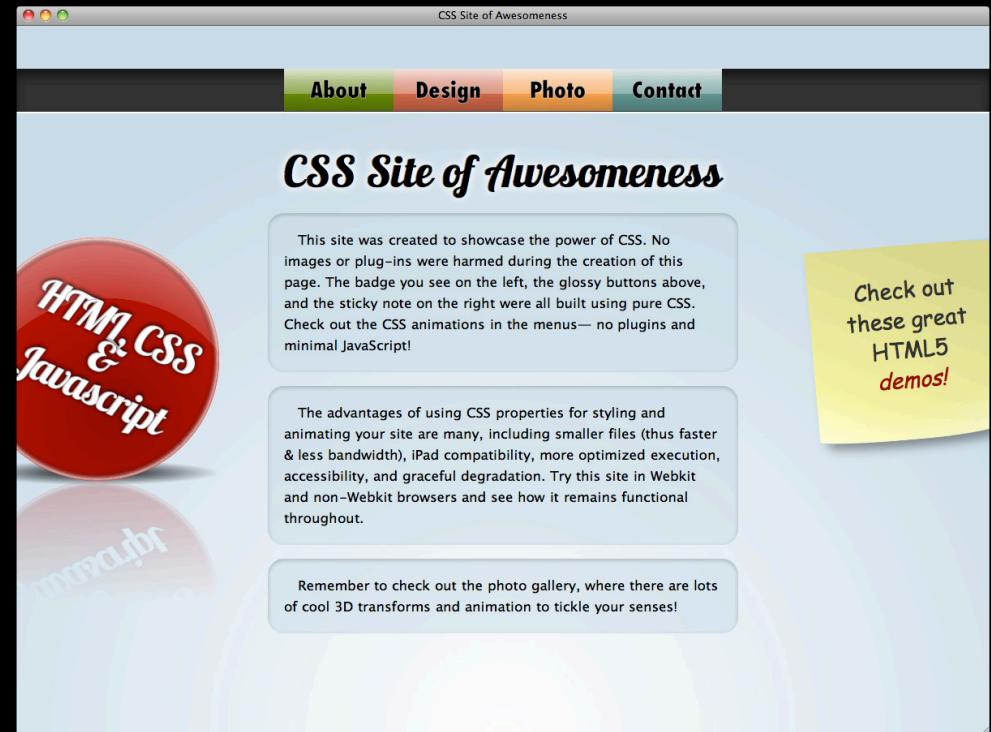
What You'll Learn

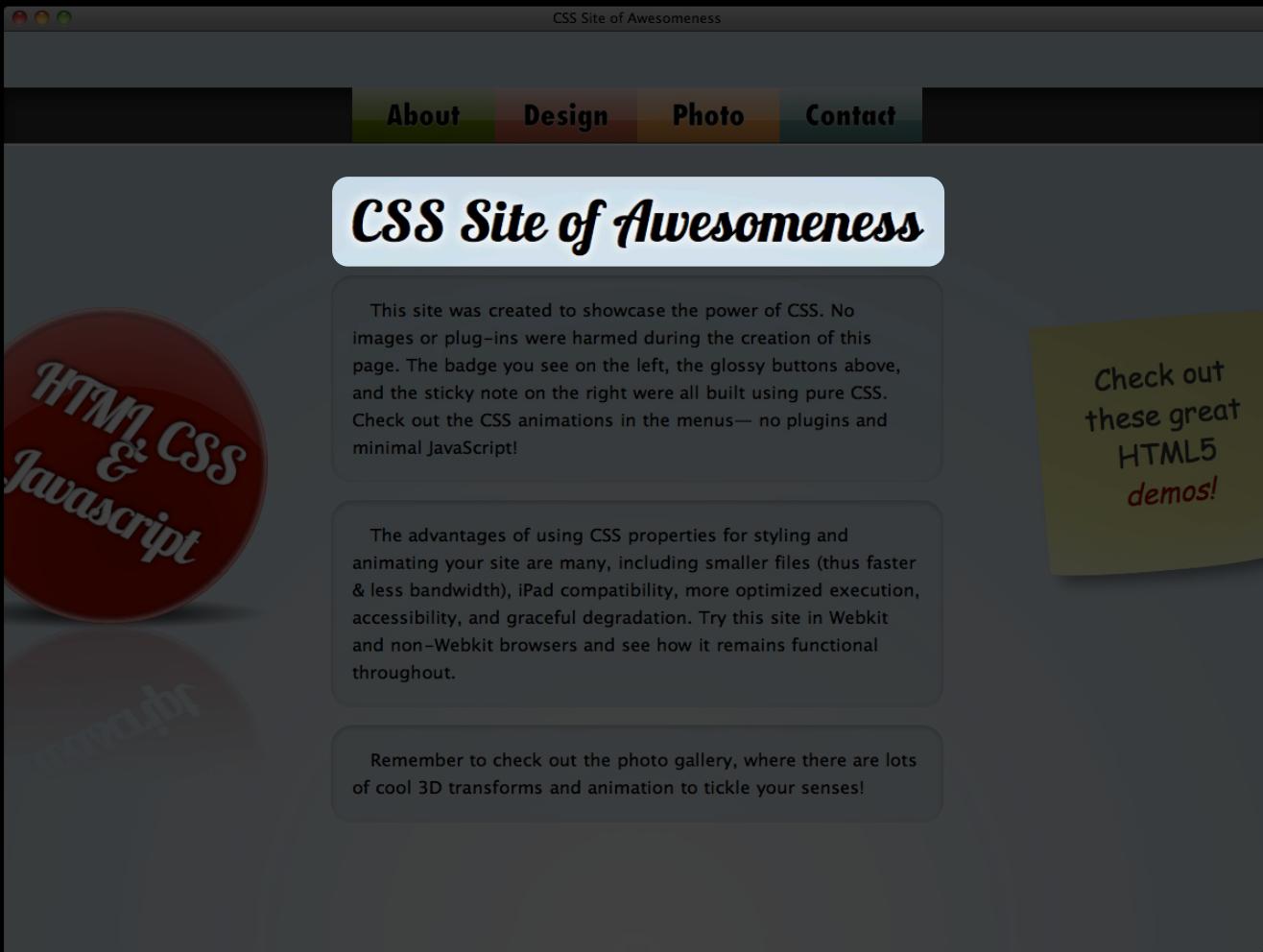
- Rich visuals without images
- Maintainable and accessible text
- Animations without plugins



What You'll Learn

- Rich visuals without images
- Maintainable and accessible text
- Animations without plugins





CSS Text Effects

CSS Site of Awesomeness

Custom Fonts

@font-face

```
@font-face {  
    font-family: "Lobster";  
    src: url("Lobster1.1.svg");  
}  
  
#content h1 {  
    font-family: Lobster, Impact, cursive;  
}
```

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m
n o p q r s t u v w x y z
1 2 3 4 5 6 7 8 9 0

CSS Site of Awesomeness

Text Glow

CSS Site of Awesomeness

Text Glow

text-shadow

```
#content h1 {  
    font-family: Lobster, Impact, cursive;  
}
```

Text Glow

text-shadow

```
#content h1 {  
    font-family: Lobster, Impact, cursive;  
    text-shadow: white 0px 0px 10px;  
}
```



CSS Site of Awesomeness



What You'll Learn

- Rich visuals without Images
- Maintainable and accessible text
- Animations without plugins



What You'll Learn

- Rich visuals without images
- Maintainable and accessible text
- Animations without plugins



-webkit-transition



background-color: white;

-webkit-transition



background-color: orange;

-webkit-transition



background-color: white;

-webkit-transition



background-color: orange;

Fade-in Menu

The screenshot shows a web browser window titled "CSS Site of Awesomeness". The menu bar at the top has items "About", "Design", "Photo", and "Contact". Below the menu, the main content area features a large title "CSS Site of Awesomeness" in a stylized font. To the left of the title is a red circular badge with the text "HTML & CSS" and "Javascript" stacked vertically. To the right is a yellow sticky note with the text "Check out these great HTML5 demos!". Three callout boxes provide additional information: one about the site being built with pure CSS, one about the advantages of using CSS, and one about checking out a photo gallery demo.

CSS Site of Awesomeness

About **Design** **Photo** **Contact**

CSS Site of Awesomeness

HTML & CSS
Javascript

Check out these great HTML5 demos!

This site was created to showcase the power of CSS. No images or plug-ins were harmed during the creation of this page. The badge you see on the left, the glossy buttons above, and the sticky note on the right were all built using pure CSS. Check out the CSS animations in the menus— no plug-ins and minimal JavaScript!

The advantages of using CSS properties for styling and animating your site are many, including smaller files (thus faster & less bandwidth), iPad compatibility, more optimized execution, accessibility, and graceful degradation.

Remember to check out the photo gallery demo from "CSS Effects, Part 2" session, where there are lots of cool 3D

Fade-in Menu

```
#about .submenu {  
    opacity: 0;  
}
```

```
#about:hover .submenu {  
    opacity: 1;  
}
```

Fade-in Menu

```
#about .submenu {  
  opacity: 0;  
  -webkit-transition:  
}
```

```
#about:hover .submenu {  
  opacity: 1;  
}
```

Fade-in Menu

```
#about .submenu {  
  opacity: 0;  
  -webkit-transition: opacity;  
}  
  
#about:hover .submenu {  
  opacity: 1;  
}
```

Fade-in Menu

```
#about .submenu {  
  opacity: 0;  
  -webkit-transition: opacity 0.25s;  
}
```

```
#about:hover .submenu {  
  opacity: 1;  
}
```

Fade-in Menu

```
#about .submenu {  
  opacity: 0;  
  -webkit-transition-property: opacity;  
  -webkit-transition-duration: 0.25s;  
}  
  
#about:hover .submenu {  
  opacity: 1;  
}
```

Fade-in Menu

The screenshot shows a web browser window with the title "CSS Site of Awesomeness". The menu bar includes "About", "Design", "Photo", and "Contact". Below the menu, the main content area features a large, stylized title "CSS Site of Awesomeness". To the left, there's a red circular badge with the text "HTML & CSS Javascript". Three callout boxes provide information: one about the site being built with pure CSS, one about the advantages of CSS styling, and one encouraging users to check out photo gallery demos.

CSS Site of Awesomeness

About Design Photo Contact

CSS Site of Awesomeness

HTML & CSS
Javascript

This site was created to showcase the power of CSS. No images or plug-ins were harmed during the creation of this page. The badge you see on the left, the glossy buttons above, and the sticky note on the right were all built using pure CSS. Check out the CSS animations in the menus— no plug-ins and minimal JavaScript!

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Remember to check out the photo gallery demo from "CSS

Check out these great HTML5 demos!

Fade-in Menu

```
#about .submenu {  
  opacity: 0;  
  -webkit-transition-property: opacity;  
  -webkit-transition-duration: 0.25s;  
}  
  
#about:hover .submenu {  
  opacity: 1;  
}
```

Fade-in Menu

```
#about .submenu {  
  opacity: 0;  
  -webkit-transition-property: opacity;  
  -webkit-transition-duration: 0.25s;  
  -webkit-transition-delay:  
}  
  
#about:hover .submenu {  
  opacity: 1;  
}
```

Fade-in Menu

```
#about .submenu {  
  opacity: 0;  
  -webkit-transition-property: opacity;  
  -webkit-transition-duration: 0.25s;  
  -webkit-transition-delay: 0.25s;  
}  
  
#about:hover .submenu {  
  opacity: 1;  
}
```

Fade-in Menu

```
#about .submenu {  
  opacity: 0;  
  -webkit-transition-property: opacity;  
}  
  
#about: hover .submenu {  
  opacity: 1;  
  -webkit-transition-duration: 0.25s;  
  -webkit-transition-delay: 0.25s;  
}
```

Fade-in Menu

The screenshot shows a web browser window titled "CSS Site of Awesomeness". The menu bar at the top has four items: "About" (highlighted in green), "Design" (highlighted in orange), "Photo" (highlighted in yellow), and "Contact". Below the menu, the main content area features a large title "CSS Site of Awesomeness" in a stylized font. To the left of the title is a red circular badge with the text "HTML & CSS Javascript". In the center, there are three callout boxes containing text. The first box says: "This site was created to showcase the power of CSS. No images or plug-ins were harmed during the creation of this page. The badge you see on the left, the glossy buttons above, and the sticky note on the right were all built using pure CSS. Check out the CSS animations in the menus— no plug-ins and minimal JavaScript!". The second box says: "The advantages of using CSS properties for styling and animating your site are many, including smaller files (thus faster & less bandwidth), iPad compatibility, more optimized execution, accessibility, and graceful degradation.". The third box says: "Remember to check out the photo gallery demo from "CSS Effects, Part 2" session, where there are lots of cool 3D". To the right of the central content is a yellow sticky note with the text "Check out these great HTML5 demos!".

CSS Site of Awesomeness

HTML & CSS Javascript

This site was created to showcase the power of CSS. No images or plug-ins were harmed during the creation of this page. The badge you see on the left, the glossy buttons above, and the sticky note on the right were all built using pure CSS. Check out the CSS animations in the menus— no plug-ins and minimal JavaScript!

The advantages of using CSS properties for styling and animating your site are many, including smaller files (thus faster & less bandwidth), iPad compatibility, more optimized execution, accessibility, and graceful degradation.

Remember to check out the photo gallery demo from "CSS Effects, Part 2" session, where there are lots of cool 3D

Check out these great HTML5 demos!

Drop-down Menu

The screenshot shows a web browser window titled "CSS Site of Awesomeness". The menu bar includes "About", "Design", "Photo", and "Contact". Below the menu, a large heading reads "CSS Site of Awesomeness". To the left, there's a red circular badge with the text "HTML & CSS Javascript". Three callout boxes provide information: one about the site being built with pure CSS, one about the advantages of CSS styling, and one encouraging users to check out HTML5 demos. A yellow sticky note on the right side of the page says "Check out these great HTML5 demos!".

This site was created to showcase the power of CSS. No images or plug-ins were harmed during the creation of this page. The badge you see on the left, the glossy buttons above, and the sticky note on the right were all built using pure CSS. Check out the CSS animations in the menus— no plug-ins and minimal JavaScript!

The advantages of using CSS properties for styling and animating your site are many, including smaller files (thus faster & less bandwidth), iPad compatibility, more optimized execution, accessibility, and graceful degradation.

Remember to check out the photo gallery demo from "CSS Effects, Part 2" session, where there are lots of cool 3D

Drop-down Menu

The screenshot shows a web browser window titled "CSS Site of Awesomeness". The header features a horizontal navigation bar with four items: "About" (highlighted in green), "Design" (highlighted in orange), "Photo" (highlighted in yellow), and "Contact" (highlighted in teal). To the left of the main content area is a large red circular badge with white text that reads "HTML & CSS" and "Javascript". The main content area contains three light blue rounded rectangular boxes. The top box contains text about the site's creation using pure CSS. The middle box discusses the advantages of using CSS for styling and animating sites. The bottom box is a reminder to check out a photo gallery demo. To the right of the middle box is a yellow sticky note with handwritten text: "Check out these great HTML5 demos!".

CSS Site of Awesomeness

This site was created to showcase the power of CSS. No images or plug-ins were harmed during the creation of this page. The badge you see on the left, the glossy buttons above, and the sticky note on the right were all built using pure CSS. Check out the CSS animations in the menus— no plug-ins and minimal JavaScript!

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Remember to check out the photo gallery demo from "CSS Effects, Part 2" session, where there are lots of cool 3D

Check out these great HTML5 demos!

Drop-down Menu

```
#about .submenu {  
    opacity: 0;  
    -webkit-transition-property: opacity;  
}  
  
#about: hover .submenu {  
    opacity: 1;  
    -webkit-transition-duration: 0.25s;  
    -webkit-transition-delay: 0.25s;  
}
```

Drop-down Menu

```
#about .submenu {  
    -webkit-transform: scaleY(0);  
    -webkit-transition-property: opacity;  
}  
  
#about: hover .submenu {
```

```
    -webkit-transform: scaleY(1);  
    -webkit-transition-duration: 0.25s;  
    -webkit-transition-delay: 0.25s;  
}
```

Drop-down Menu

```
#about .submenu {  
    -webkit-transform: scaleY(0);  
    -webkit-transition-property: -webkit-transform;  
}  
  
#about: hover .submenu {
```

```
    -webkit-transform: scaleY(1);  
    -webkit-transition-duration: 0.25s;  
    -webkit-transition-delay: 0.25s;  
}
```

Drop-down Menu

The screenshot shows a web browser window titled "CSS Site of Awesomeness". The menu bar includes "About", "Design", "Photo", and "Contact". Below the menu, a large heading reads "CSS Site of Awesomeness". To the left, there's a red circular badge with the text "HTML & CSS Javascript". Three callout boxes provide information: one about the site being built with pure CSS, one about the advantages of CSS styling, and one encouraging users to check out HTML5 demos. A yellow sticky note on the right side of the page says "Check out these great HTML5 demos!".

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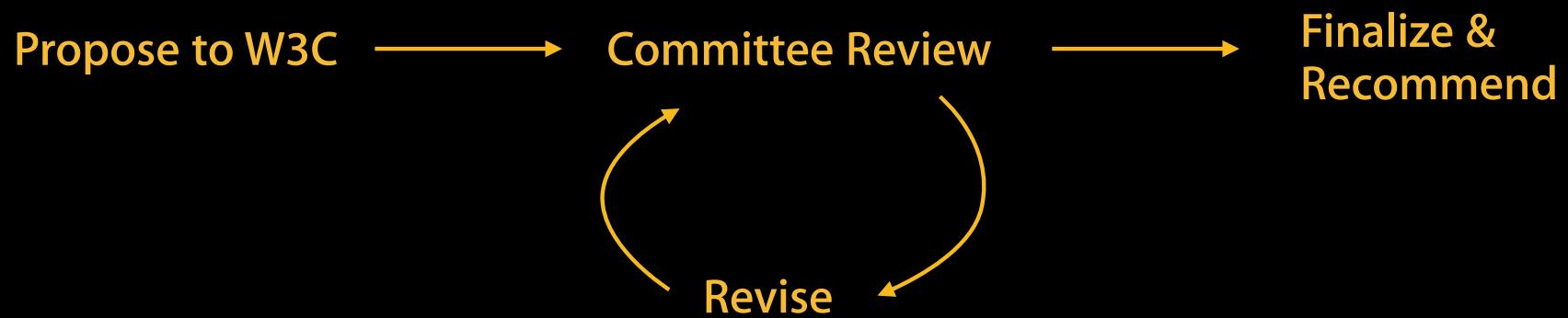
Remember to check out the photo gallery demo from "CSS Effects, Part 2" session, where there are lots of cool 3D

More Menu Transitions

Mike Thole
Safari and Webkit Engineer

Browser-Specific Prefixes

Why do they exist?



Browser-Specific Prefixes

Why do they exist?



What You've Learned

- Rich visuals without images
- Maintainable and accessible text
- Animations without plugins



CSS Resources

CSS Specifications

<http://www.w3.org/Style/CSS/>

A List Apart

<http://alistapart.com/>

Font Squirrel

<http://fontsquirrel.com/>

More Information

Vicki Murley

Safari Technologies Evangelist

vicki@apple.com

HTML5 Demos

<http://apple.com/html5/>

Safari Dev Center

<http://developer.apple.com/safari/>

Apple Developer Forums

<http://devforums.apple.com>

Related Sessions

CSS Effects, Part 2	Marina Tuesday 4:30PM
Adding Touch and Gesture Detection to Web Pages on iPhone OS	Nob Hill Wednesday 2:00PM
Getting the Most Out of Safari Integrated Developer Tools	Marina Wednesday 11:30AM

Labs

Safari Open Lab	Internet and Web Lab B Now
CSS Effects Lab	Internet and Web Lab A Wednesday 9:00AM
Safari Open Lab	Internet and Web Lab B Friday 9:00AM

Q&A



