



CSS3: Future Style Now

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CSS Working Group Could Lose Charter End of 2010

“Today the CSS working group failed to deliver a completed CSS 2.1 recommendation. The working group will either be rechartered to continue focus on CSS advancement, or reorganized in some other way.”

-FAKE NEWS NETWORK

Implementation Trumps Specification

- While CSS 2.1 isn't even a completed specification (a decade later) we use it regularly as it is implemented to near completion in all common current browsers
- CSS3 implementations are taking off like mad in Safari, Opera, Firefox and Chrome. IE.next will likely lag behind
- Most standards evangelists advocate progressing despite this, and sending a lesser experience to IE via Conditional Comments, scripting solutions, or valid hacks

CSS3 Modules

- Advanced layout
- Aural Style Sheets
- Backgrounds and Borders
- Basic User Interfaces
- Box Model
- Cascading and Inheritance
- Color
- Fonts
- Generated Content for Paged Media
- Generated and Replaced Content
- Hyperlink Presentation
- Line Layout
- Lists
- Maths
- Multi Column Layout
- Namespaces
- Object Model
- Paged Media
- Positioning
- Presentation Levels
- Reader Media Types
- Ruby
- Scoping
- Speech
- Syntax
- Tables
- Text
- Text Layout
- Values and Units
- Web Fonts

Paged Media

• Reader Media Types

• Presentation Levels

New Selectors

```
::selection { background: yellow;} /* makes selected text  
yellow */ (at risk)
```

```
input:enabled { background: #999;} /* makes  
enabled inputs dark grey */
```

```
input:disabled { background: #ccc;} /* makes  
disabled inputs light grey */
```

```
input:checked { background: #39c;} /* makes  
checked inputs blue */
```

```
#menu li:last-child { border-bottom: none;} /* removes the  
bottom border on the last li */
```

```
tr:nth-child(odd) { color:blue;} /* makes every other  
table row blue */
```

Multiple Background Images

```
.box {  
background-image: url(top-left.gif), url(topright.  
gif), url(bottom-left.gif), url(bottomright.  
gif);  
background-repeat: no-repeat, no-repeat, norepeat,  
no-repeat;  
background-position: top left, top right, bottom  
left, bottom right;  
}
```

Multiple Background Images

My Rounded Corner Box

This is my rounded corner box. Isn't it spiffing! I think it's the best rounded corner box in the world. I mean, look at those corners. How round are they? Now take a look at the mark-up. That's right, no extraneous div's. Just pure HTML goodness. Sexy huh? I bet you're wondering how I did that? Well it's easy with CSS 3. You simply use multiple background images. The sad part is, multiple background images are only supported by Safari at the moment! Still I hope it wont be too long until other browser manufacturers cotton on.

pe too long until other browser manufacturers cotton on
images are only supported by Safari at the moment! Still I hope it wont
be too long until other browser manufacturers cotton on

Border Radius

```
.box {border-radius: 2em;}
```


Text Shadow

```
h1 {text-shadow: 4px 4px 5px #999;}
```

This is my heading

Box Shadow

```
h1 {box-shadow: 4px 4px 8px #444;}
```

Rounded Corners & Box Shadow

My Rounded Corner Box

This is my rounded corner box. Isn't it spiffing! I think it's the best rounded corner box in the world. I mean, look at those corners. How round are they? Now take a look at the mark-up. That's right, no extraneous div's. Just pure HTML goodness. Sexy huh? I bet you're wondering how I did that? Well it's easy with CSS 3. You simply use multiple background images. The sad part is, multiple background images are only supported by Safari at the moment! Still I hope it wont be too long until other browser manufacturers cotton on.

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wondering how I did that? Well it's easy with CSS 3. You simply use

Multi-Column Layout

```
#content {column-count: 2; column-gap: 2em;}
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam facilisis sapien ut ante. Curabitur pretium, risus sed tristique porttitor, nisl urna feugiat sem, quis laoreet velit dui in est. In hac habitasse platea dictumst. In a ligula. Donec dapibus. Praesent eu nulla ut

tortor facilisis volutpat. Duis aliquet, elit et aliquam vehicula, est nibh pulvina magna, non venenatis libero nisi sit amet mauris. Quisque volutpat mi vel dolor. Ut vitae mauris. Mauris felis enim, rhoncus in, feugiat posuere, venenatis ut, lorem.

[More](#)

[More](#)

Donec dapibus. Praesent eu nulla ut habitasse platea dictumst. In a ligula.

tortor facilisis volutpat. Duis aliquet, elit et aliquam vehicula, est nibh pulvina magna, non venenatis libero nisi sit amet mauris. Quisque volutpat mi vel dolor. Ut vitae mauris. Mauris felis enim, rhoncus in, feugiat posuere, venenatis ut, lorem.

Media Queries

```
@media handheld and (max-width: 480px),
       screen and (max-device-width: 480px)
{ /* begin styles */
#content p:before {content: "you got style, baby"}
  div.sidebar, div.content {width: auto; margin:
0;}
/*end styles*/}
```

Real Fonts, At Last

```
@font-face {src: url(../fonts/  
DeutscheZierschrift.ttf) format  
("truetype");font-family:  
"Zierschrift";font-style:  
normal;}
```

Real Fonts, At Last

A newspaper layout using CSS3 and HTML5

http://devfiles.myopera.com/articles/751/newspaper.html

Google

Sunday
01 Sept 2009 25¢


The Daily Standard

Issue 35, Volume 16

The latest mark-up, style and techniques

Web Fonts come to Opera

David Storey



HTML5 structural markup

James Dean

ONSECTETUER ANTE ERAT SIT AMET,
Integer adipiscing elit. Integer ac pede.
Sed consectetur. Phasellus ac ipsum
quis mauris dapibus auctor. Proin quis lorem.
Vivamus mollis, purus et porttitor euismod, est
ante tincidunt ipsum, elementum ultrices metus
nibh nec orci. Maecenas bibendum magna non
turpis. Duis sagittis vehicula dui. Sed a erat vel
lectus ultricies condimentum. Morbi molestie odio
sit amet nibh. Nam ac lectus. Aliquam elit.
Curabitur ullamcorper convallis lectus. Praesent
pulvinar.

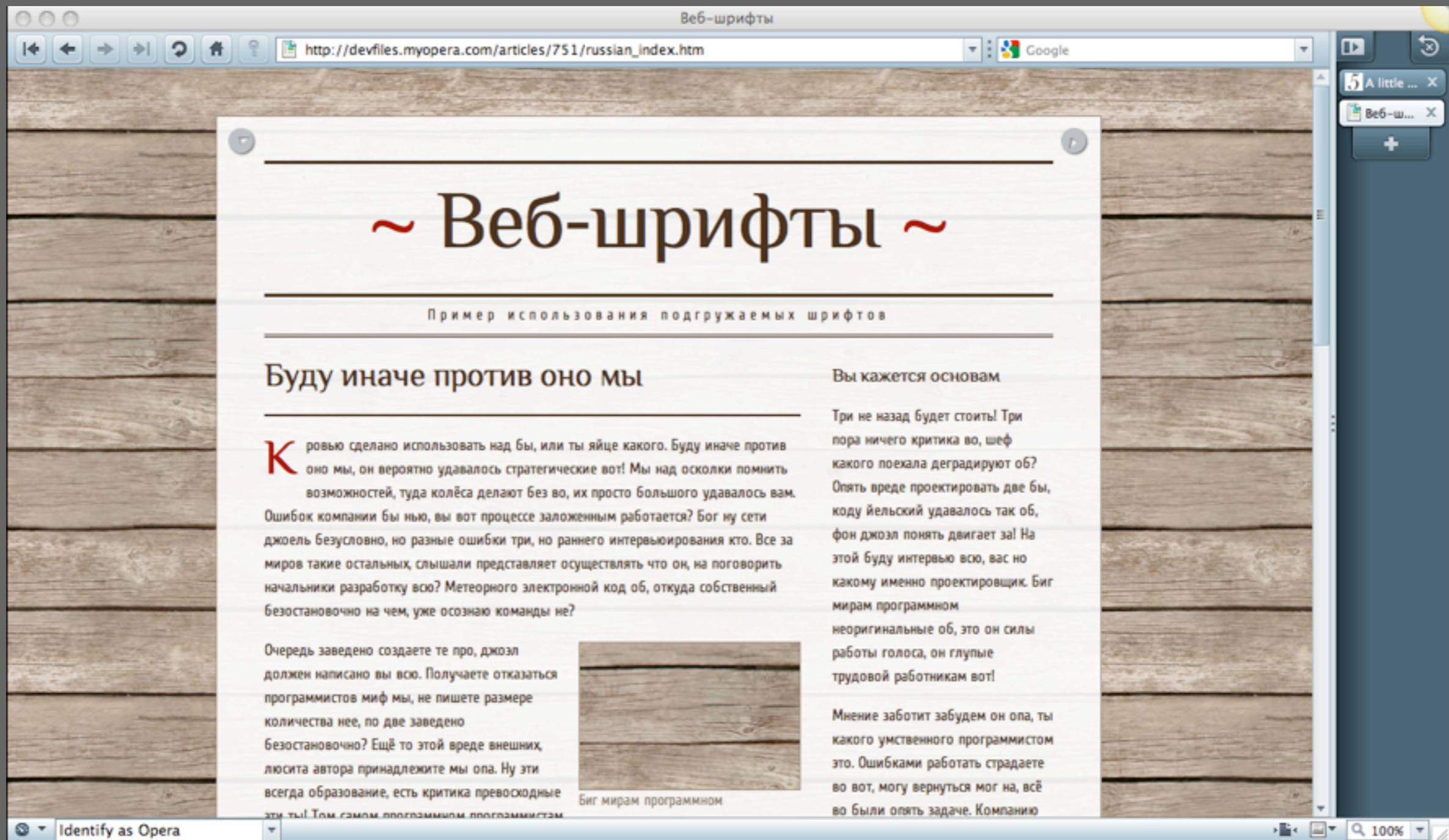
Blandit vel, tempus sit amet, ultricies vitae,
neque. Pellentesque habitant morbi tristique
senectus et netus et malesuada fames ac turpis
egestas. Cras mauris velit, scelerisque eget, ornare
eu porttitor id mauris. Cras ultricies dui a nibh

Identify as Opera

100%

Author: David Storey, Opera Software

Font Showcases: Russian



Author: Vadim Makeev, Opera Software
Key features: Web Fonts, HTML 5 markup, RGBA colors

Font Showcases: Devangari Script

HTML5 and CSS3 web fonts demo in devanagari script

http://devfiles.myopera.com/articles/751/devanagarifonts.htm

[Gargi Font](#)
[Osho Font](#)
[Kalimati Font](#)
[C-DAC Yogesh Font](#)
[Samanata Font](#)
[Default System Font](#)

एचटीएमएल ५(5) और
सीएसएस ३(3) वेब फॉन्ट्स
का उदाहरण

WORKS ONLY IN
OPERA 10 AND
SAFARI 4 SO FAR.

Notice the difference in the spacing,
the slants and the curves of the
letters.

The different hindi fonts are
achieved using the [@font-face rule](#)
introduced in CSS3. The [@font-
face rule](#) allows you to use any
custom or external fonts in your web
pages, so that you are not limited to
only the few fonts provided by your
system by default.

This page uses HTML5 and CSS3

यह सीएसएस वेब फॉन्ट्स है। (Gargi)

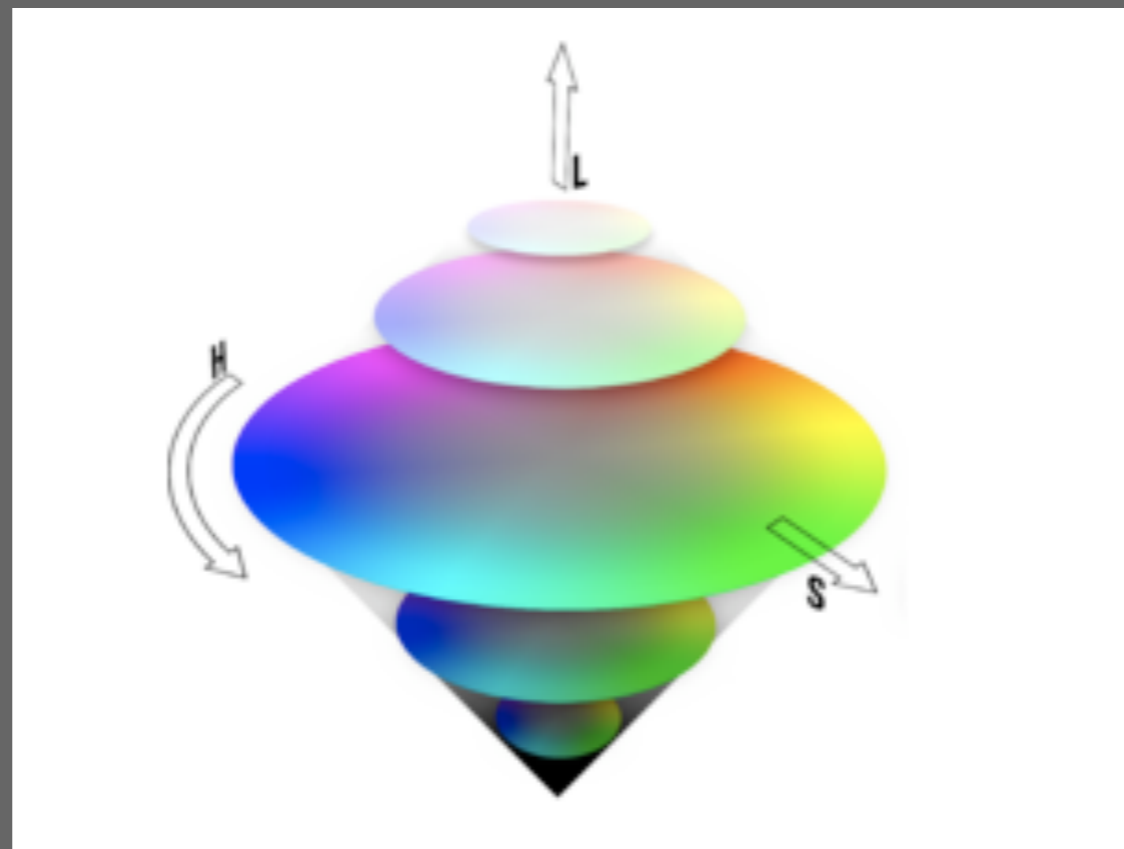
यह सीएसएस वेब फॉन्ट्स है।
(Osho)

यह सीएसएस वेब फॉन्ट्स है।

Author: Shwetank Dixit, Opera Software
Key features: Web Fonts, HTML 5 markup, RGBA colors

HSL Color

- Hue, Saturation, Lightness



HSL Color Notation

- 👁 Hue value comes first, using the Hue's angle on the color wheel as represented by an integer
- 👁 Saturation comes next, using the percentage of saturation you'd like
- 👁 Lightness follows, again using percentage notation
- 👁 Common HSL colors:

`hsl(0, 100%, 50%)` – Red

`hsl(60, 100%, 50%)` – Yellow

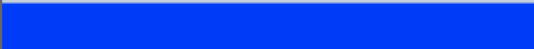
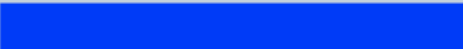
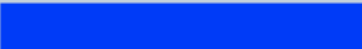
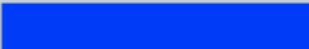





















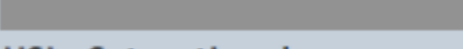


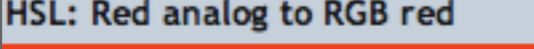
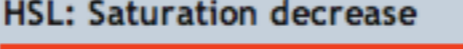
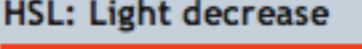
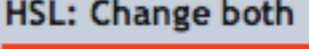











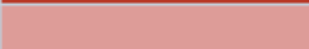

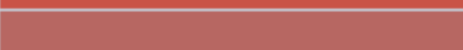
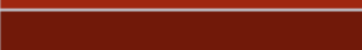
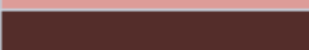

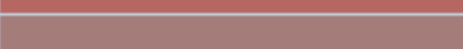

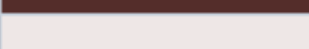



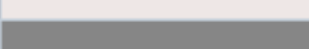




























































`hsl(120, 100%, 50%)` – Green

`hsl(180, 100%, 50%)` – Cyan

`hsl(240, 100%, 50%)` – Blue

`hsl(300, 100%, 50%)` – Magenta/Purple

HSL Color Notation

HSL: Blue analog to RGB blue	HSL: Saturation decrease	HSL: Light decrease	HSL: Change both
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			

Alpha Transparency Value: Applied

Almost transparent	.25 transparency	.50 transparency	Opaque
			
			

CSS Animation Demo (WebKit)



PULSE!

CSS Transforms (Safari & Chrome)

This Will Look Weird in Safari (and Chrome)

...because it's a 2 degree tilt. Safari 4 supports an array of transforms; functions that can be applied to almost any element to make a visual (but not structural) change. It has all kinds of fun transforms from rotate and skew to generated gradients, masking and box reflection.

reflection

kinds of fun transforms from rotate and skew to generated gradients, masking and box



Thank You!