¿Qué es HTML5?

Sergio Luján Mora

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Vídeo de esta presentación

Puedes ver esta presentación en vídeo:

http://www.youtube.com/watch?v=1hR7EtD6Bns
W3C Invites Discussion of Open Web Platform for All at WWW 2011
18 March 2011 | Archive

W3C invites all WWW2011 participants to meet at the Hyderabad International Convention Centre (HICC) to discuss the regional and global impact of this expanding Open Web Platform for application development. Participants have several opportunities to meet with the W3C staff, including the W3C track and a keynote by W3C Director Tim Berners-Lee. This year’s W3C track consists of two sessions: people (Accessible and Multilingual Web camp) and devices (Mobile Web Applications camp). Tim Berners-Lee’s keynote titled Designing the Web for an Open Society takes place Thursday, 31 March. The W3C track was organized with the support of the W3C India Office and the MobiWebApp EU project. Read the press release for more information.

W3C to Participate in Web Summit Bilbao
18 March 2011 | Archive

XQuery and XPath Full Text 1.0; XQuery Update Facility 1.0 are W3C Recommendations
17 March 2011 | Archive

Last Call: HTML5 Web Messaging
17 March 2011 | Archive

Last Call: Media Fragments URI 1.0
17 March 2011 | Archive

13 March 2011 by Karl Dubost

Web Tracking and User Privacy: The Next Steps
10 March 2011 by Thomas Roessler

Open Web Platform Weekly Summary - 2011-02-28 - 2011-03-06
7 March 2011 by Karl Dubost
DHTML
AJAX
HTML5

A vocabulary and associated APIs for HTML and XHTML

W3C Working Draft 13 January 2011

This Version:
http://www.w3.org/TR/2011/WD-html5-20110113/

Latest Published Version:
http://www.w3.org/TR/html5/

Latest Editor’s Draft:
http://dev.w3.org/html5/spec/Overview.html

Previous Versions:
http://www.w3.org/TR/2010/WD-html5-20101019/
http://www.w3.org/TR/2010/WD-html5-20100624/
http://www.w3.org/TR/2010/WD-html5-20100304/
http://www.w3.org/TR/2009/WD-html5-20090825/
http://www.w3.org/TR/2009/WD-html5-20090423/
http://www.w3.org/TR/2009/WD-html5-20090212/
http://www.w3.org/TR/2008/WD-html5-20080610/
http://www.w3.org/TR/2008/WD-html5-20080122/

Editor:
Ian Hickson, Google, Inc.

This specification is available in the following formats: single page HTML, multipage HTML, web developer edition. This is revision 1.4626.
var drawingCanvas = document.getElementById('myDrawing');

// Comprueba si el navegador admite canvas
if(drawingCanvas.getContext) {
  // Inicializa el contexto de dibujo en 2 dimensiones
  var context = drawingCanvas.getContext('2d');

  // Dibuja un arco
  context.arc(100, 100, 50, 0, Math.PI*2, true);
}
Scalable Vector Graphics (SVG) 1.1 (Second Edition)
W3C Working Draft 22 June 2010

This version:
http://www.w3.org/TR/2010/WD-SVG11-20100822/

Latest version:
http://www.w3.org/TR/SVG11/

Previous version:
http://www.w3.org/TR/2003/REC-SVG11-20030114/

Editors:
Erik Dahlstrom, Opera Software <ed@opera.com>
Jon Ferraiolo, Adobe Systems <jon.ferraiolo@adobe.com> (Versions 1.0 and 1.1 First Edition; until 8 June 2006)
藤沢 浩 (FUJISAWA Jun), Canon Inc. <fujisawa.jun@canon.co.jp> (Version 1.1 First Edition)
Anthony Grasso, Canon Inc. <anthony.grasso@cisra.canon.com.au>
Dean Jackson, W3C <dean@w3.org> (Version 1.1 First Edition; until February 2007)
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Patrick Delsing, Microsoft Corporation <patd@microsoft.com>

Please refer to the errata for this document, which may include some normative corrections.

See also translations, noting that the English version of this specification is the only normative version.

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Abstract
This specification defines the features and syntax for Scalable Vector Graphics (SVG) Version 1.1, a modularized language for describing two-dimensional vector and mixed vector/raster graphics in XML.

Status of this document
<rect
    x="0" y="0"
    width="100" height="100"
    fill="blue" stroke="red"
    stroke-width="5px"
    rx="8" ry="8"
    id="myRect" class="chart" />

navigator.geolocation.getCurrentPosition(
  function(position) {
    var lat = position.coords.latitude;
    var lon = position.coords.longitude;
    showLocation(lat, lon);
  }
);
CACHE MANIFEST
/static/stickies.html
/media/deleteButton.png
/media/deleteButtonPressed.png
/css/stickies.css
/js/stickies.js

<body manifest="./cache.manifest">
</body>
```
var db = window.openDatabase("NoteTest", "1.0",
    "Example DB", 200000);

function saveMe(id, text, timestamp, left, top, zIndex) {
    db.transaction(
        function (tx) {
            tx.executeSql(
                "INSERT INTO WebKitStickyNotes "
                + "(id, note, timestamp, left, top, zindex) "
                + "VALUES (?, ?, ?, ?, ?, ?)",
                [id, text, timestamp, left, top, zIndex]);
        }
    );
}
```
Click "New Note" to put stickies in your local DB. (view manifest)

 Esto se guarda en mi sistema de archivos

 Puedo cerrar el navegador y cuando vuelva a esta página aparecerán otra vez las notas

Source code adapted from WebKit.org's storage demo.
<script>
    var worker = new Worker('worker.js');
    worker.onmessage = function (event) {
        console.log('Results: ' + event.data);
    }
</script>
## CSS3 Word-wrap - Working Draft

Allows lines to be broken within words if an otherwise unbreakable string is too long to fit.

### Resources:
- [MDN article](#)

### Compatibility Table

<table>
<thead>
<tr>
<th>Category</th>
<th>Web Browser</th>
<th>Time period</th>
<th>Status</th>
<th>Alternatives</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS</td>
<td>IE</td>
<td>Two versions back</td>
<td>Recommendation</td>
<td>Accept polyfills</td>
</tr>
<tr>
<td></td>
<td>Firefox</td>
<td>7.0</td>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Safari</td>
<td>3.0</td>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chrome</td>
<td>3.2</td>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opera Safar</td>
<td>8.0</td>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opera</td>
<td>10.5</td>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opera Mobi</td>
<td>3.2</td>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Android Brows</td>
<td>2.1</td>
<td>2.1</td>
<td></td>
</tr>
</tbody>
</table>

### User Stats:
- Support: 93.41%

---

## contenteditable attribute (basic support) - Working Draft

Method of making any HTML element editable

### Resources:
- Demo page
- WHATWG blog post
- Blog post on usage problems

### Compatibility Table

<table>
<thead>
<tr>
<th>Category</th>
<th>Web Browser</th>
<th>Time period</th>
<th>Status</th>
<th>Global user stats:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IE</td>
<td>Two versions back</td>
<td>Support:</td>
<td>90.98%</td>
</tr>
<tr>
<td></td>
<td>Firefox</td>
<td>7.0</td>
<td>2.1</td>
<td>1.18%</td>
</tr>
<tr>
<td></td>
<td>Safari</td>
<td>3.2</td>
<td>2.1</td>
<td>1.18%</td>
</tr>
<tr>
<td></td>
<td>Chrome</td>
<td>8.0</td>
<td>2.1</td>
<td>1.18%</td>
</tr>
<tr>
<td></td>
<td>Opera Safar</td>
<td>10.5</td>
<td>2.1</td>
<td>1.18%</td>
</tr>
<tr>
<td></td>
<td>Opera</td>
<td>3.2</td>
<td>2.1</td>
<td>1.18%</td>
</tr>
<tr>
<td></td>
<td>Opera Mobi</td>
<td>4.0-4.1</td>
<td>2.2</td>
<td>1.18%</td>
</tr>
<tr>
<td></td>
<td>Android Brows</td>
<td>2.1</td>
<td>2.1</td>
<td>1.18%</td>
</tr>
</tbody>
</table>

### User Stats:
- Partial support: 1.18%
- Total: 0.26%
# HTML5 & CSS3 Support

## CSS3 Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>WIN</th>
<th>MAC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chrome</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Opera</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Firefox</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Safari</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>IE</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Chrome</th>
<th>Opera</th>
<th>Firefox</th>
<th>Safari</th>
<th>IE</th>
<th>Chrome</th>
<th>Opera</th>
<th>Firefox</th>
<th>Safari</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RGBA</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HSLA</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Background Size</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multiple Backgrounds</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Border-Image</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Border-Radius</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Box-Shadow</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Text-Shadow</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Opacity</td>
<td>✓</td>
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<td></td>
<td>✓</td>
</tr>
<tr>
<td>CSS Animations</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>CSS Columns</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>

86%
What's my IP?

Your Browser

What is a Browser?

A “Browser” is a piece of software used to access & display the Internet on your computer. Examples include Internet Explorer, Mozilla Firefox, Opera, Safari and Google Chrome.

Information about your browser and the operating system it runs on can be found in the table to the right.

<table>
<thead>
<tr>
<th>Browser</th>
<th>Google Chrome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Browser Version</td>
<td>10.0</td>
</tr>
<tr>
<td>Operating System</td>
<td>Microsoft Windows 7</td>
</tr>
<tr>
<td>User Agent String</td>
<td>Mozilla/5.0 (Windows; U; Windows NT 6.1; en-US) AppleWebKit/534.16 (KHTML, like Gecko) Chrome/10.0.648.151 Safari/534.16</td>
</tr>
</tbody>
</table>

CSS3 Support
your browser scores

288

AND 13 BONUS POINTS

out of a total of 400 points

**Parsing rules**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>&lt;DOCTYPE HTML&gt;</code> triggers standards mode</td>
<td></td>
<td>2 bonus points</td>
</tr>
<tr>
<td>HTML5 tokenizer</td>
<td>Yes ✔️</td>
<td></td>
</tr>
<tr>
<td>HTML5 tree building</td>
<td>Yes ✔️</td>
<td></td>
</tr>
</tbody>
</table>

*HTML5 defines rules for embedding SVG and MathML, inside a regular HTML document. Support for SVG and MathML is not required, though, so bonus points are awarded if your browser supports embedding these two technologies.*

**Canvas**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>canvas element</td>
<td>Yes ✔️</td>
<td></td>
</tr>
<tr>
<td>2D context</td>
<td>Yes ✔️</td>
<td></td>
</tr>
<tr>
<td>Text</td>
<td>Yes ✔️</td>
<td></td>
</tr>
</tbody>
</table>

**Video**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>video element</td>
<td>Yes ✔️</td>
<td></td>
</tr>
</tbody>
</table>

**Bonus points**

*The score is calculated by testing for many new features of HTML5. Each feature is worth one or more points, apart from the main HTML5 specification and other specifications created the W3C HTML Working Group. This test also awards points for supporting related drafts and specifications. Some of these specifications were initially part of HTML5, but are now further developed by other W3C working groups. WebSQL is also part of this test (despite not being developed by the W3C) because it extends the HTML5 canvas element with a 2D context.*

*The test also awards bonus points for supporting audio and video codecs and supporting SVG in MathML, embedding, in a plain HTML document. These tests do not count towards the total score because HTML5 does not specify any required audio or video codecs. Also SVG and MathML are not required by HTML5, the specification only specifies rules for how such content should be embedded inside a plain HTML file.*

*Please be aware that the specifications that are being tested are still in development and could change before reaching an official status. In the future new tests will be added for the pieces of the specification that are currently still missing. The maximum number of points that can be scored is 400 at this moment, but this is a moving goalpost.*

**Development**

The HTML5 test is created by Niklas Lehnert. Visit my website at [nlehnert.com](http://nlehnert.com) or follow me on [Twitter](https://twitter.com/).

The HTML5 test is being developed at [GitHub](https://github.com). Please file an issue there if you find any bugs or think of any improvements to this test.

Thanks to Hendrix Deon for allowing me to reuse his HTML5 parser tests.
Hey chief,

So the idea here is:
- See cool stuff.
- Learn how it's done.
- Use it in your own work.

The HTML5 Studio has fourteen demos that show off some fanciful sides of HTML5, CSS3 and friends.

Peek around, look under the covers at the source, and feel free to reuse the code in your own applications and sites.

Many samples use experimental HTML5/CSS3 features that may only be present in nightly or beta browsers.
Más información:
http://desarrolloweb.dlsi.ua.es/
sergio.lujan@ua.es
Créditos de fotografías e imágenes:
http://www.sxc.hu/photo/1213666
http://www.w3.org/html/logo/
http://www.w3.org/Consortium/facts.html
http://dev.xguru.net/html5/src/html5timeline.png
http://www.sxc.hu/photo/1238327