

**H o w  
Mozilla  
t a k e s  
b a c k  
the Web**

Cyber Liberties Conference 2009, Vienna  
Eric Eggert, [yatil.de](http://yatil.de)

# Eric Eggert

Webentwickler/-designer

User Interfaces

Accessibility

Web 2.0

Webseite: [yatil.de](http://yatil.de)

Twitter: [@yatil](https://twitter.com/yatil)

# Mission Statement



**mozilla**  
FOUNDATION

**We believe...**

**We believe: that the Internet**

**We believe:** that the Internet  
**should be**

**We believe:** that the Internet  
**should be**  
**public,**

**We believe:** that the Internet  
**should be**  
**public,**  
**open**



**We believe:** that the Internet  
**should be**  
**public, &**  
**open**

**We believe:** that the Internet  
**should be**  
public, &  
**open** **accessible**

**We believe:** that the Internet  
**should be**  
public, &  
**open** accessible

**open**

# Open Source

# Open Standards

# Open Source



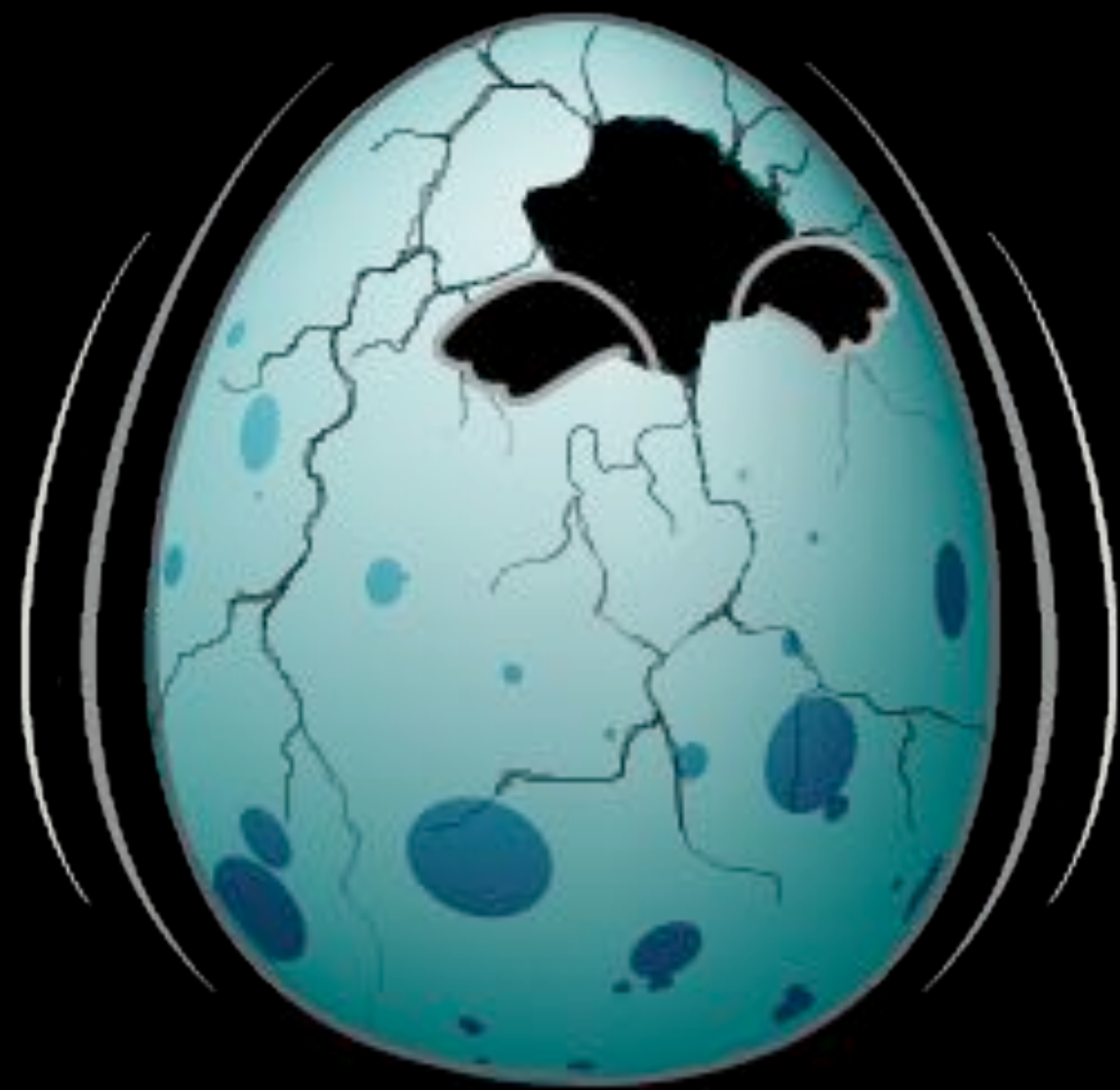




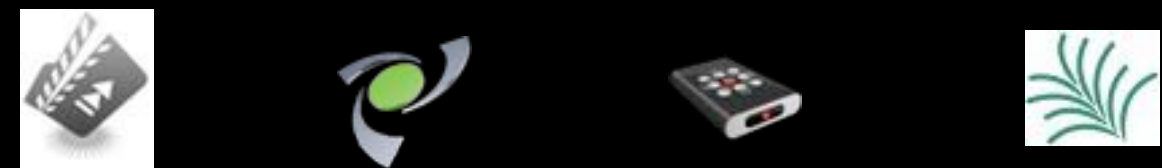
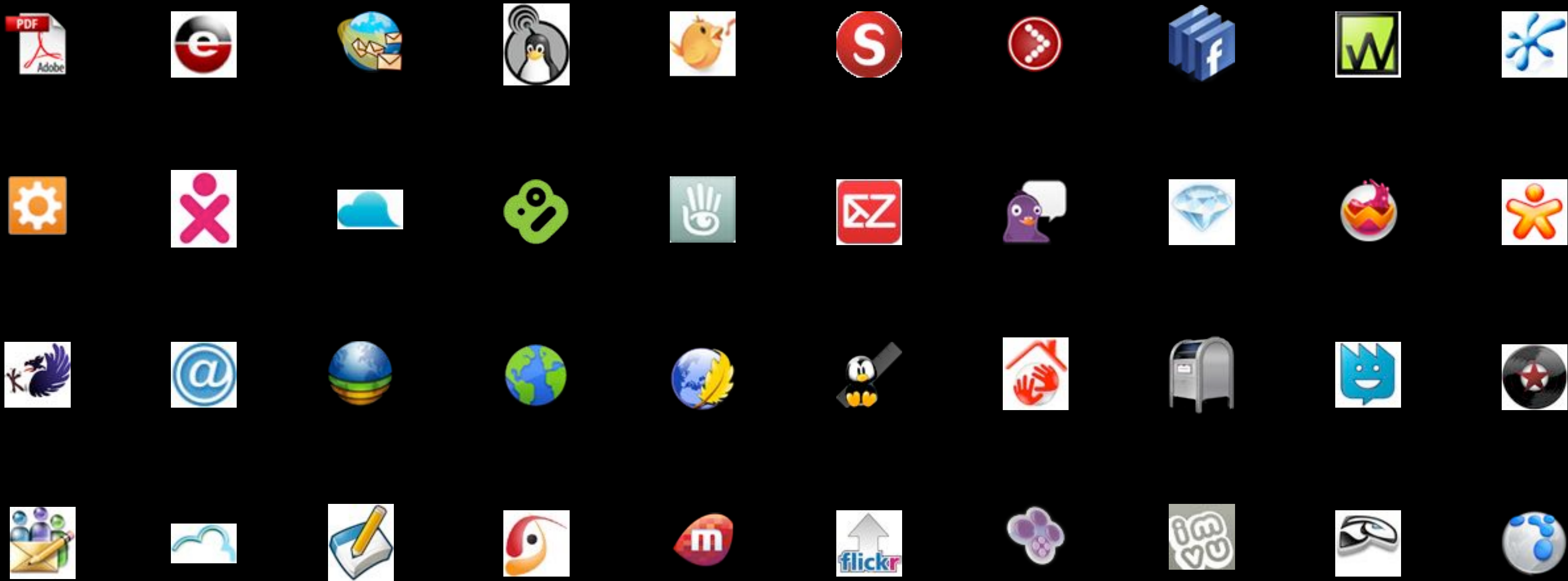












**Mozilla Technologies**

# Mozilla Labs



# Mozilla Fennec





**75.000.000 US-\$**

Einnahmen lt. Wikipedia



# Freedom Scientific JAWS

Screen Reader

Closed Source

895-1095,— US-\$



# NonVisual Desktop Access (NVDA)

Screen Reader

Open Source

Frei erhältlich

Von 2 blinden Entwicklern programmiert

**It's freedom, but not Scientific.**

# Open Standards

# XML

Lingua Franca des Webs.

```
<lesbar durch="Klartext" />
```

**XML**  **XUL + XBL**

XML User Interface Language  
XML Binding Language

Fließen zurück ins W3C.

# JavaScript

industry standard called ECMAScript



# AJAX

eigentlich: XMLHttpRequest

Erfinden von Microsoft

Implementiert von Mozilla und anderen

Später standardisiert im W3C

# Markup-Standards

**W3C**

**XHTML 2.0**

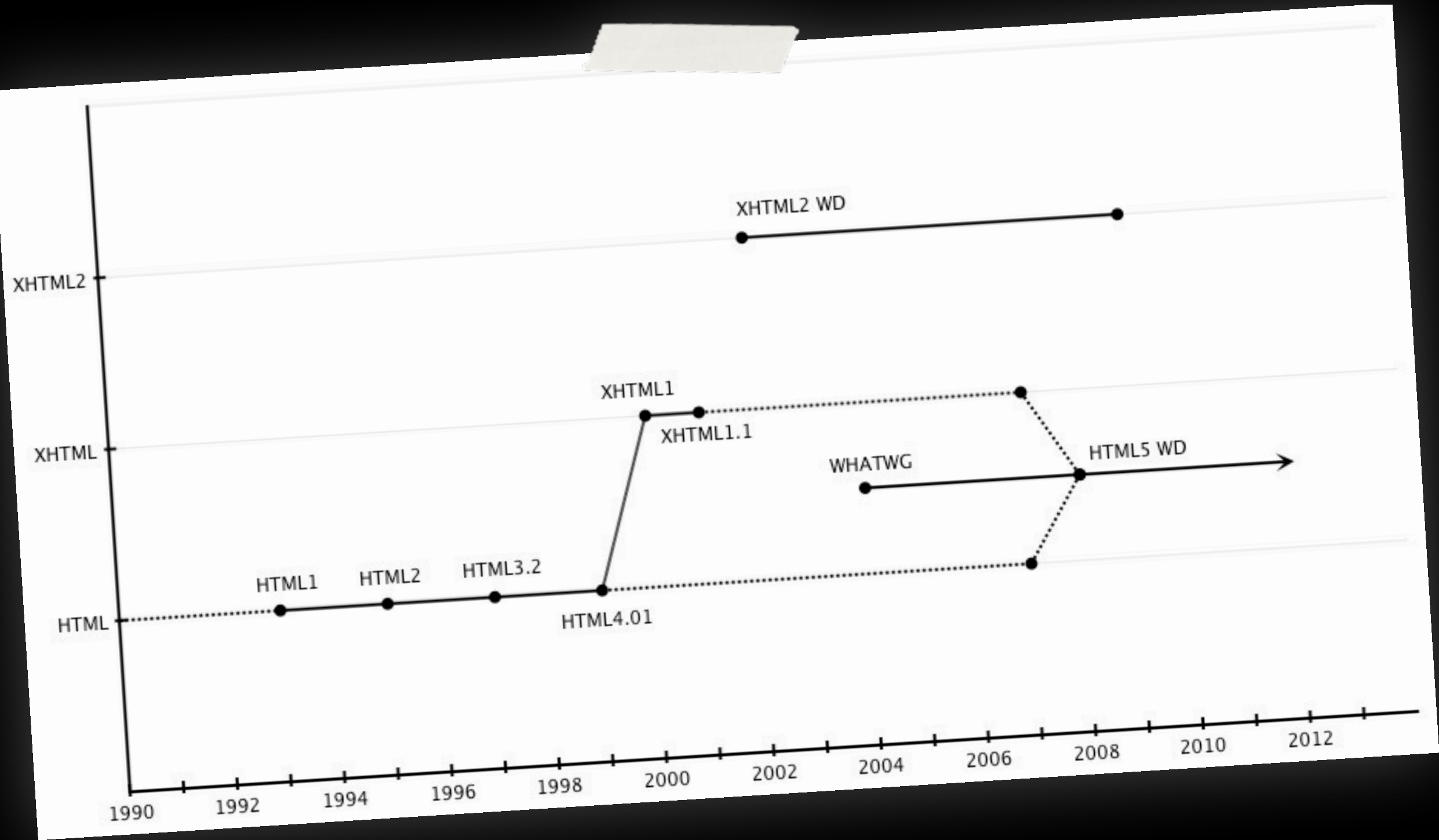
# WHAT WG

Web HyperText Application Technology Working Group

“The WHATWG was founded by individuals of Apple, the Mozilla Foundation, and Opera Software in 2004, after a W3C workshop. Apple, Mozilla and Opera were becoming increasingly concerned about the W3C’s direction with XHTML, lack of interest in HTML and apparent disregard for the needs of real-world authors. So, in response, these organisations set out with a mission to address these concerns and the Web Hypertext Application Technology Working Group was born.”

# **Web Applications 1.0**

**HTML5**





# Canvas

Kann was.

Entwickelt von Apple/Webkit  
Implementiert von Mozilla

# HTML5 Audio/Video

No Flash!

Bessere Barrierefreiheit.

**Format?**

# Apple: H.264

Hardwareunterstützung  
Effizient

Lizenzgebühren ab 2010

# Mozilla: Ogg/Theora

Frei

# Resolution:

Kein festes Format definiert. Da Flash aber H.264 kann, benötigt man lediglich 2 Formate:

Kein festes Form

```
<video width="640" height="360" poster="poster.jpg" controls="controls" autoplay="autoplay">
  <source src="http://tinyvid.tv/vfe/big_buck_bunny.ogv" type="video/ogg" />
  <source src="http://tinyvid.tv/vfe/big_buck_bunny.mp4" type="video/mp4" />
  <!--[if gt IE 6]>
  <object width="640" height="375" classid="clsid:02BF25D5-8C17-4B23-BC80-D3488ABDDC6B"><!
  [endif]--><!--[if !IE]><!-->
  <object width="640" height="375" type="video/quicktime" data="http://tinyvid.tv/vfe/big_buck_bunny.mp4">
  <!--<![endif]-->
  <param name="src" value="http://tinyvid.tv/vfe/big_buck_bunny.mp4" />
  <param name="autoplay" value="true" />
  <param name="showlogo" value="false" />
  <object width="640" height="380" type="application/x-shockwave-flash"
    data="player.swf?autostart=true&image=poster.jpg&file=http://tinyvid.tv/vfe/
big_buck_bunny.mp4">
    <param name="movie" value="player.swf?autostart=true&image=poster.jpg&file=http://
tinyvid.tv/vfe/big_buck_bunny.mp4" />
    <!-- fallback message -->
    
    <p>
      <strong>No video playback capabilities detected.</strong>
      Why not try to download the file instead?<br />
      <a href="http://tinyvid.tv/vfe/big_buck_bunny.mp4">MPEG4 / H.264 “.mp4” (Windows / Mac)</a>
      <a href="http://tinyvid.tv/vfe/big_buck_bunny.ogv">Ogg Theora & Vorbis “.ogv” (Linux)</
a>
    </p><p>
      To play the video here in the webpage, please do one of the following:
    </p><ul>
      <li>Upgrade to <a href="http://getfirefox.com">Firefox v3.5</a>,
        or <a href="http://apple.com/safari">Safari v4</a></li>
      <li>Install <a href="http://get.adobe.com/flashplayer/">Adobe Flash Player</a></li>
      <li>Install <a href="http://apple.com/quicktime/download/">Apple QuickTime</a></li>
    </ul>
  </object><!--[if gt IE 6]><!-->
  </object><!--<![endif]-->
</video>
```

glichen 2 Formate:

# Geo Location



# Style Standards

CSS FTW!

**CSS2.1**

@Font-Face

# CSS3

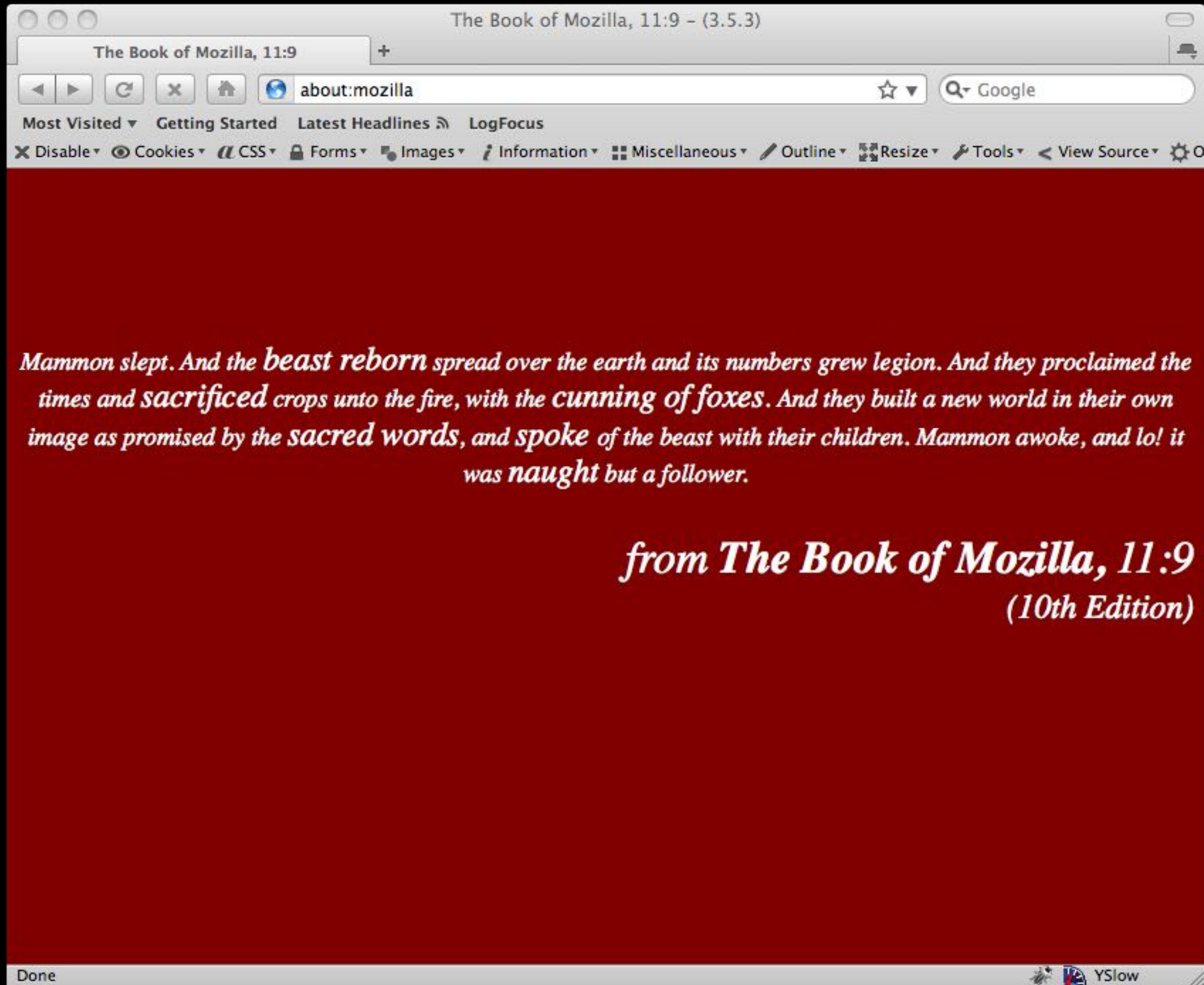
## Boxes & Borders

CSS3

Transitions

**Innovation**

**Add-Ons**



*Mammon slept. And the **beast reborn** spread over the earth and its numbers grew legion. And they proclaimed the times and **sacrificed** crops unto the fire, with the **cunning of foxes**. And they built a new world in their own image as promised by the **sacred words**, and **spoke** of the beast with their children. Mammon awoke, and lo! it was **naught** but a follower.*

*from **The Book of Mozilla, 11:9**  
(10th Edition)*

The Book of Mozilla, 11:9 - (3.5.3)

The Book of Mozilla, 11:9

about:mozilla

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Console HTML CSS Script DOM Net YSlow

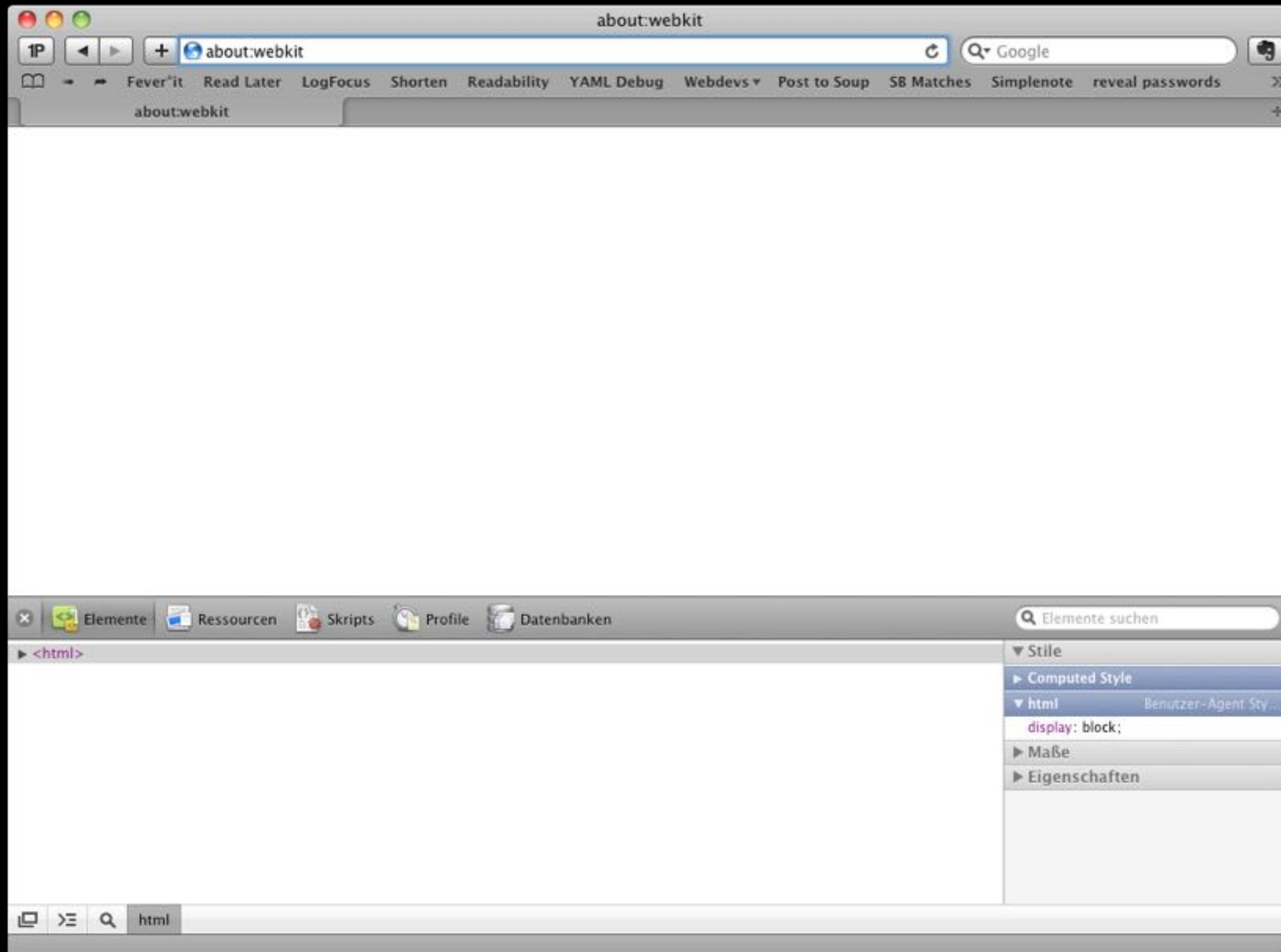
Clear All HTML CSS JS XHR Images Flash

Net panel activated. Any requests while the net panel is inactive are not shown.

0KB (0KB from cache) 0ms

Done YSlow





# Danke!

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