Current work on CSS at W3C

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Web Standards Days,↑
24 November 2012,
Moscow

Agenda

This talk:

1. About W3C & me
2. About CSS
3. Examples of current work

Part I

Part I – About W3C

Where I work

W3C (World Wide Web Consortium) is a Standards Organization organized as a Consortium

Its standards are called W3C Recommendations

They are made by Working Groups

HTML, CSS, SVG, RDF, PNG, MathML, XML, WCAG, EXI…

Founded 1994

W3C STRUCTURE

- Team ← me

  Director: Tim Berners-Lee

- Offices
- Members
- Public

W3C TEAM

- 73
- Hosts
  - France – Sophia-Antipolis (ERCIM)

  - USA – Cambridge, MA (MIT)
  - Japan – Tokyo (Keio Univ.)
- … and colleagues all over the world
- Technical, administrative/management, systems support

W3C MEMBERS

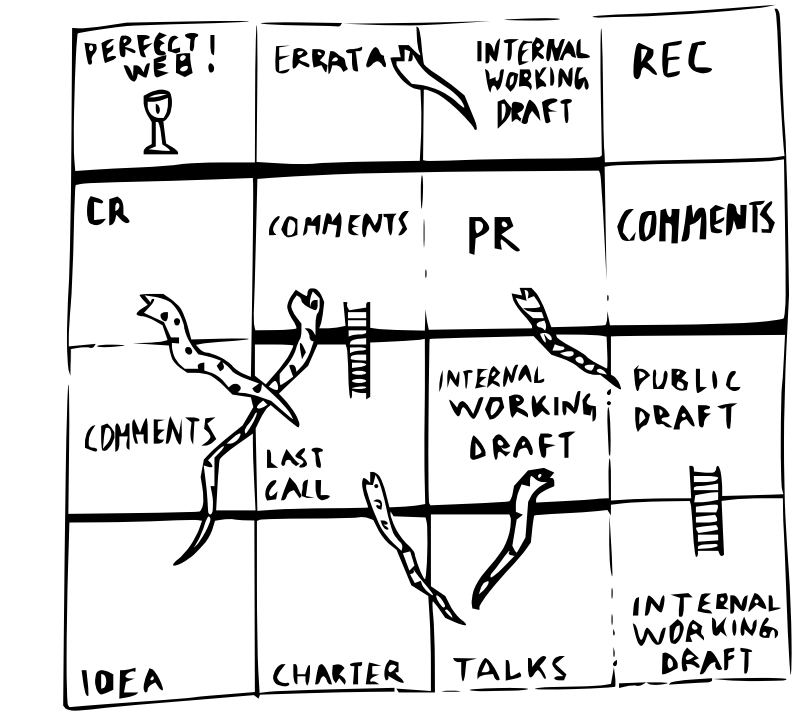
- ± 380
- Companies
  - computer, telecom, documents, finance, healthcare…
- Universities
- Research laboratories
- Government departments
- …

PUBLIC

W3C is a **forum** for users and implementers, as well as a **source of information**

- Mailing lists
  - one or more for each WG
- Workshops, seminars, tutorials…
- Community & Business Groups↑
- Main Web site↑
- WebPlatform.org↑

Standardization process



Working Groups, etc.

- Working Groups
  - HTML WG
  - CSS WG ← me
  - XML Core WG
  - … ±40 more
- Interest Groups
- Coordination Groups

Communications:

mailing lists, teleconferences, face-to-face

Technical Plenary

Liaisons

IETF, ISO, Open Mobile Alliance, ICTSB/ICTSR (Europe), ETSI, ITU, IDPF, etc.

Copyrights & patents

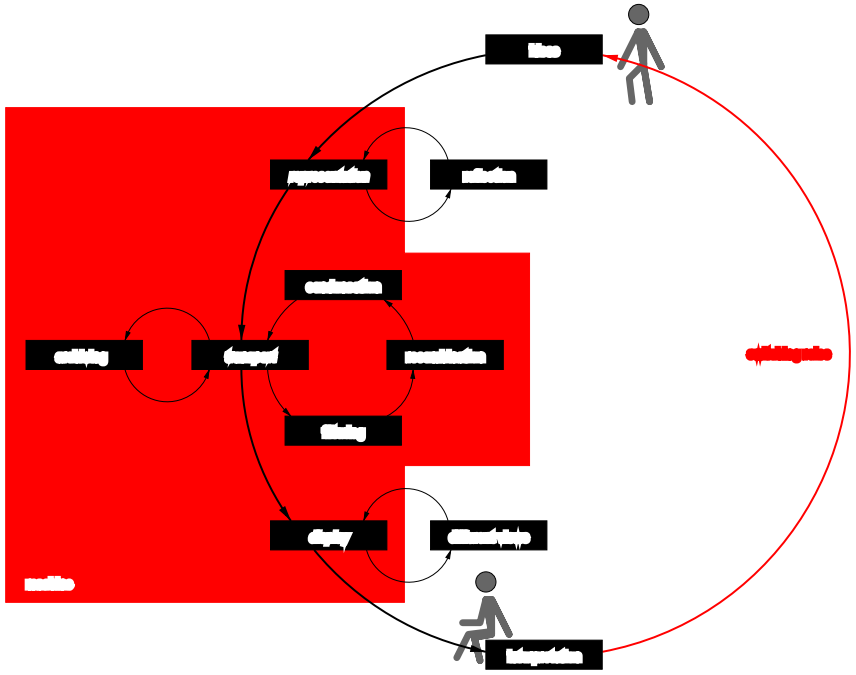
Copyright:

- Specifications – free to copy, not allowed to modify
- Software – Open Source (free to copy and modify)

Patents:

- Royalty Free…
- … as far as in our power

Goals



Vision and principles

- For **all** (a11y, i18n)
- On **everything** (devices)
- **Semantic Web** (re-usable)
- **Trust** (privacy, security)
- Symmetric (read & **write**)

- Maintainable, durable, stable
- Modular, extensible
- Easy to learn, to implement
- Efficient, robust
- Backward compatible
- …

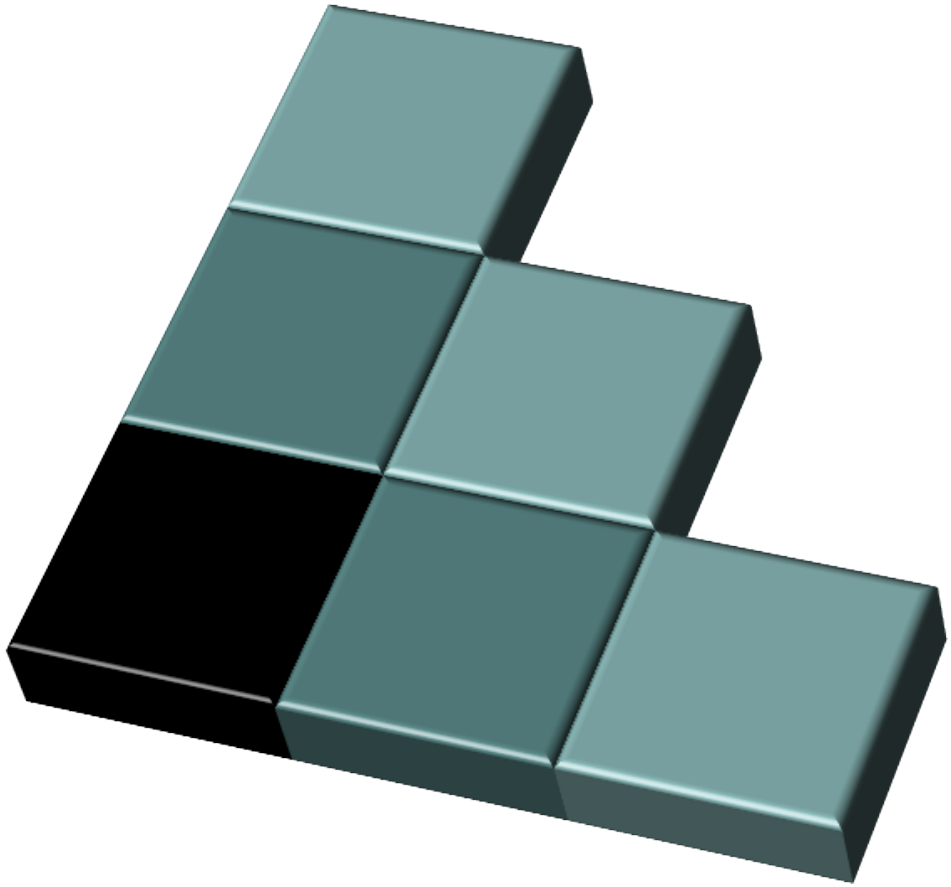
Testing vs flexibility

Many implementations
⇒ difficult to change

No implementations
⇒ not sure the specification works

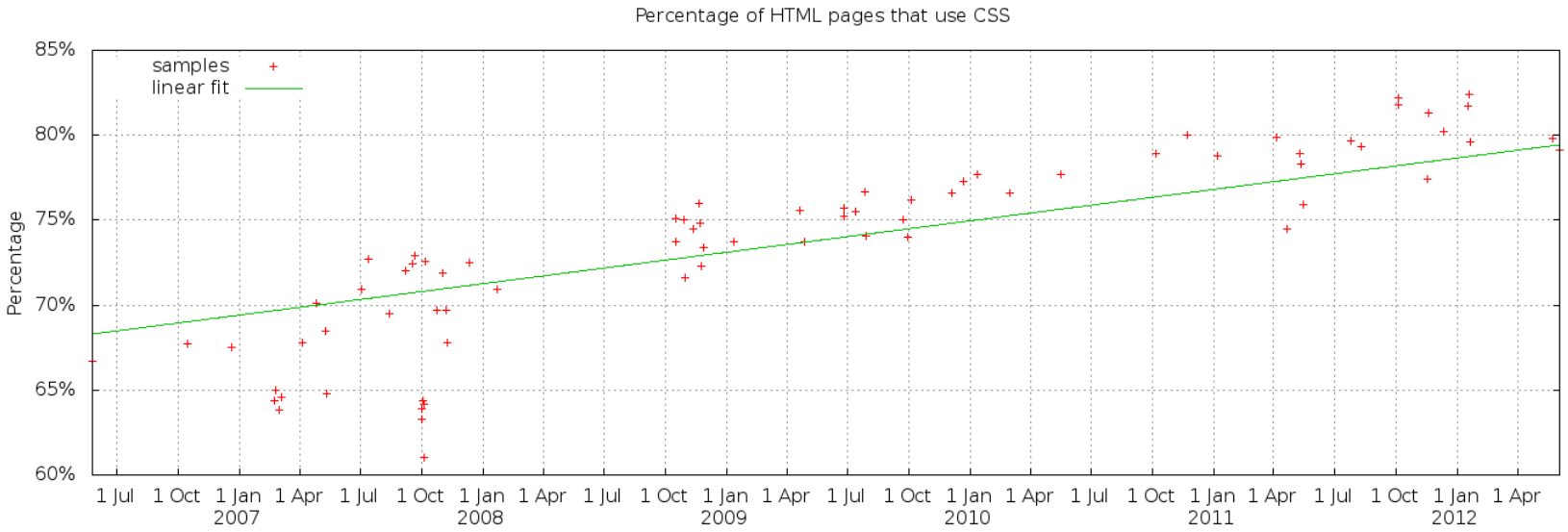
Two implementations

Part 2



Part 2 – About CSS

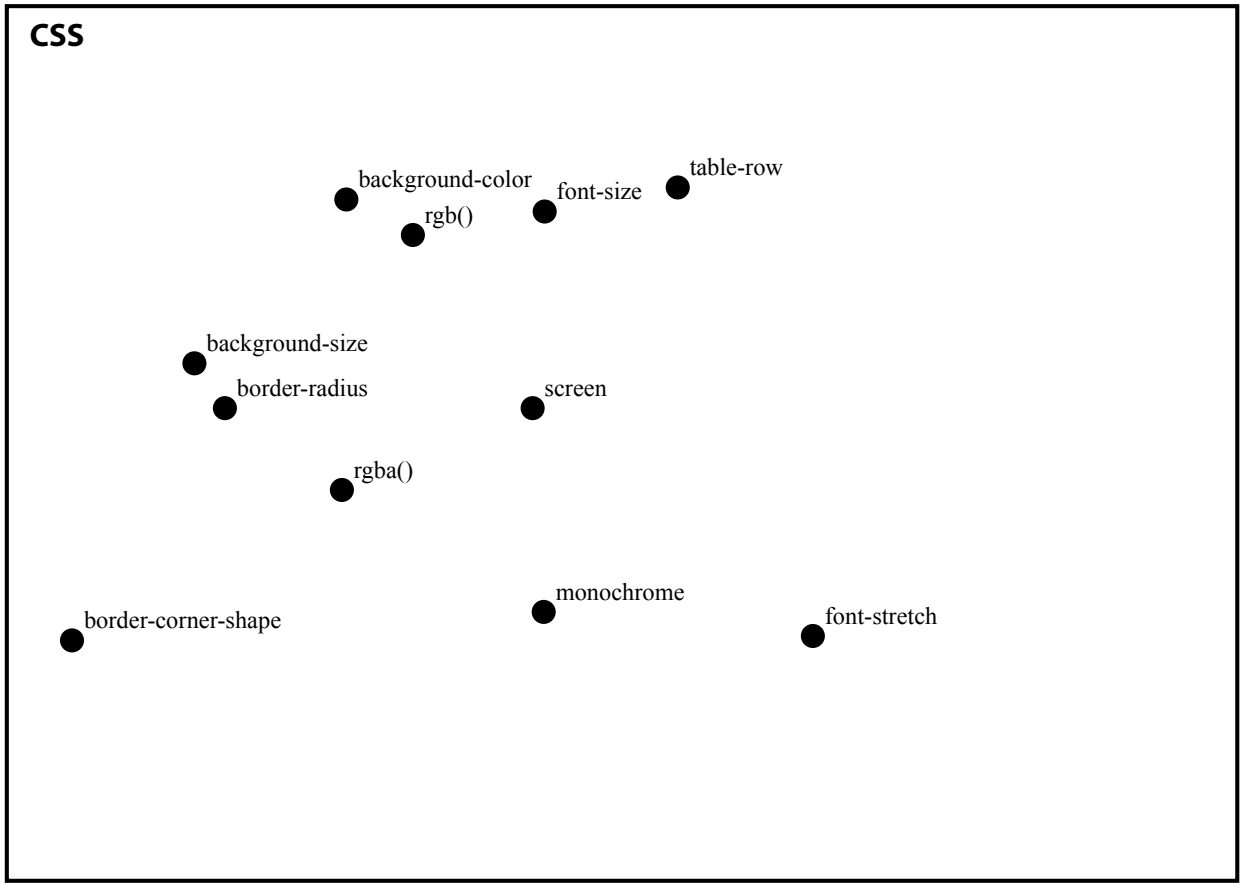
CSS USAGE GROWTH



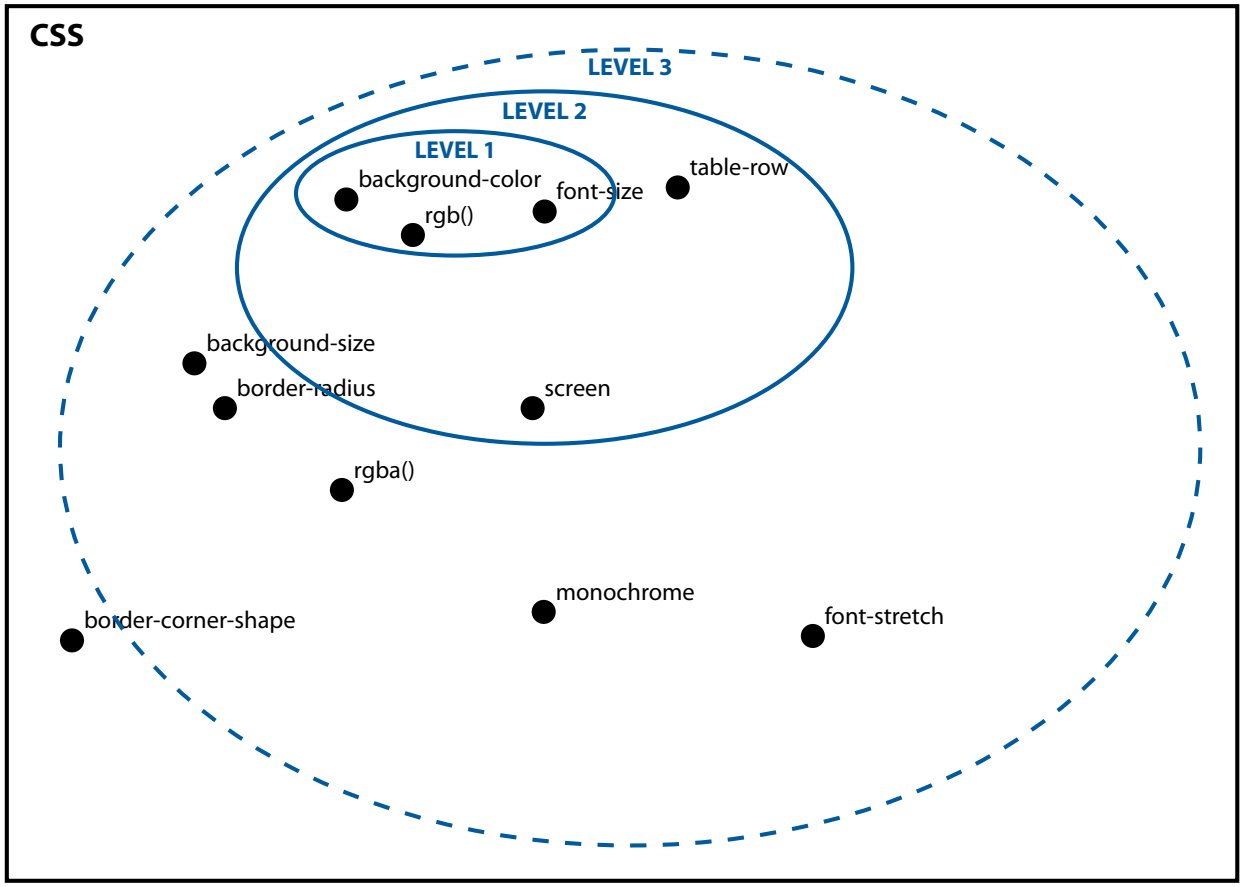
CSS usage has grown from 68% of all Web pages in 2006 to 80% now.

(Error margin unknown. Based on sampling HTML only, no SVG or XML.)

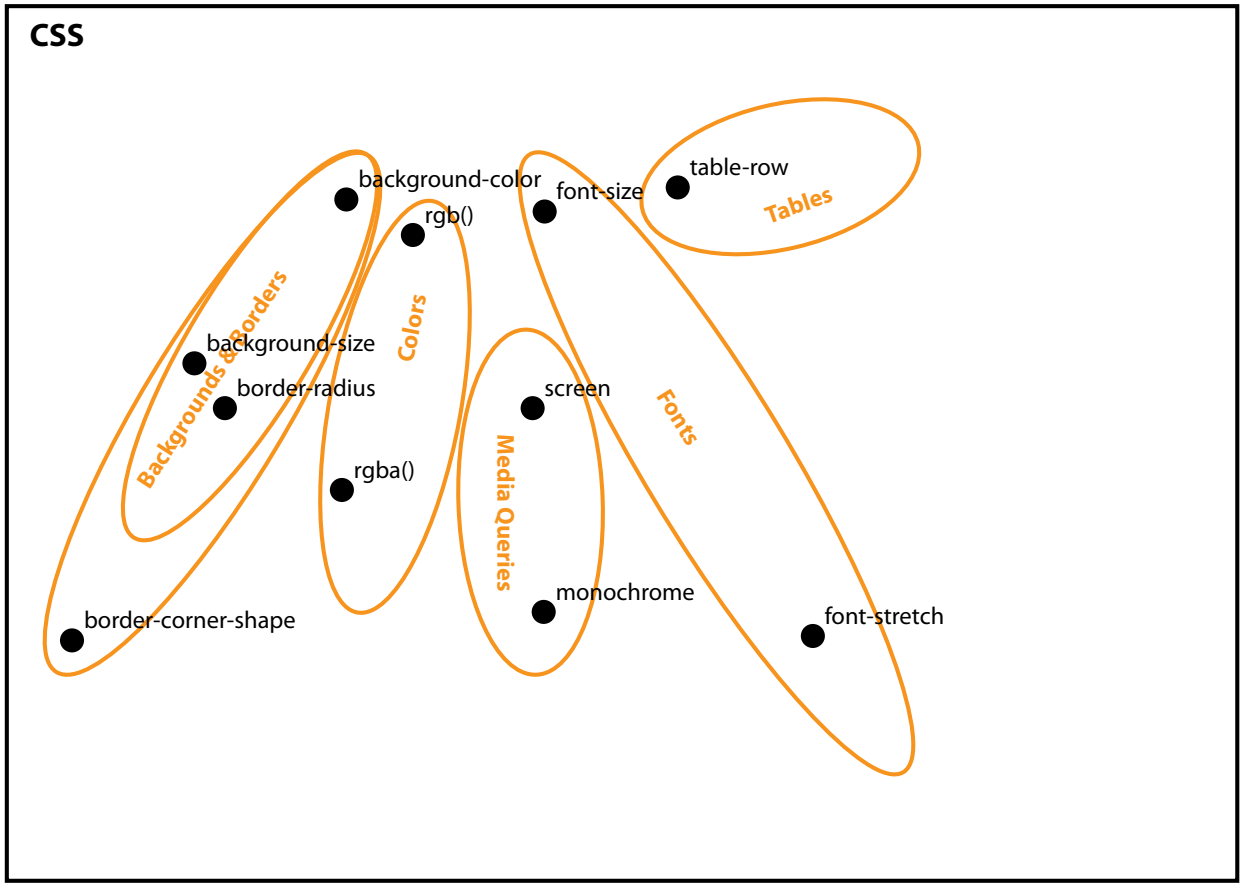
CSS STRUCTURE – FEATURES



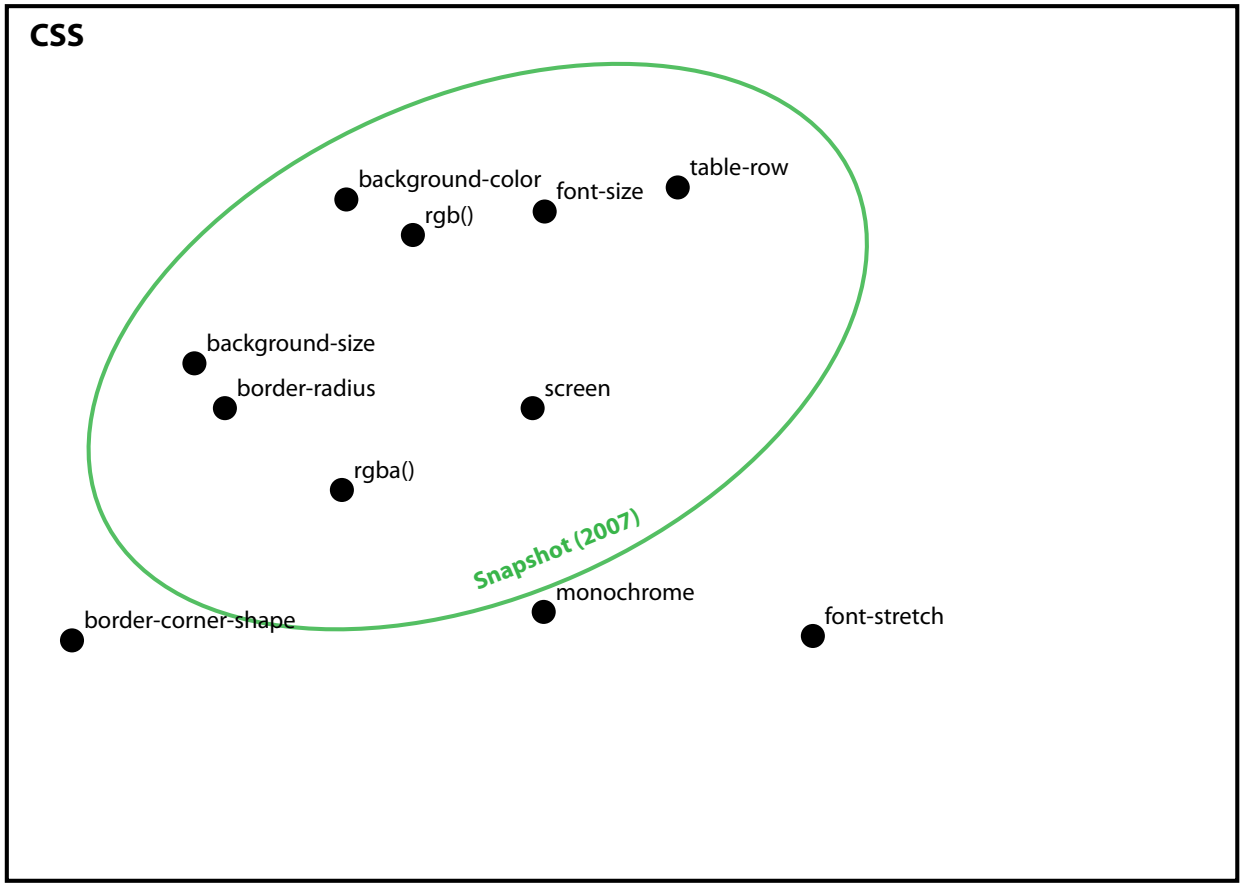
CSS STRUCTURE – LEVELS



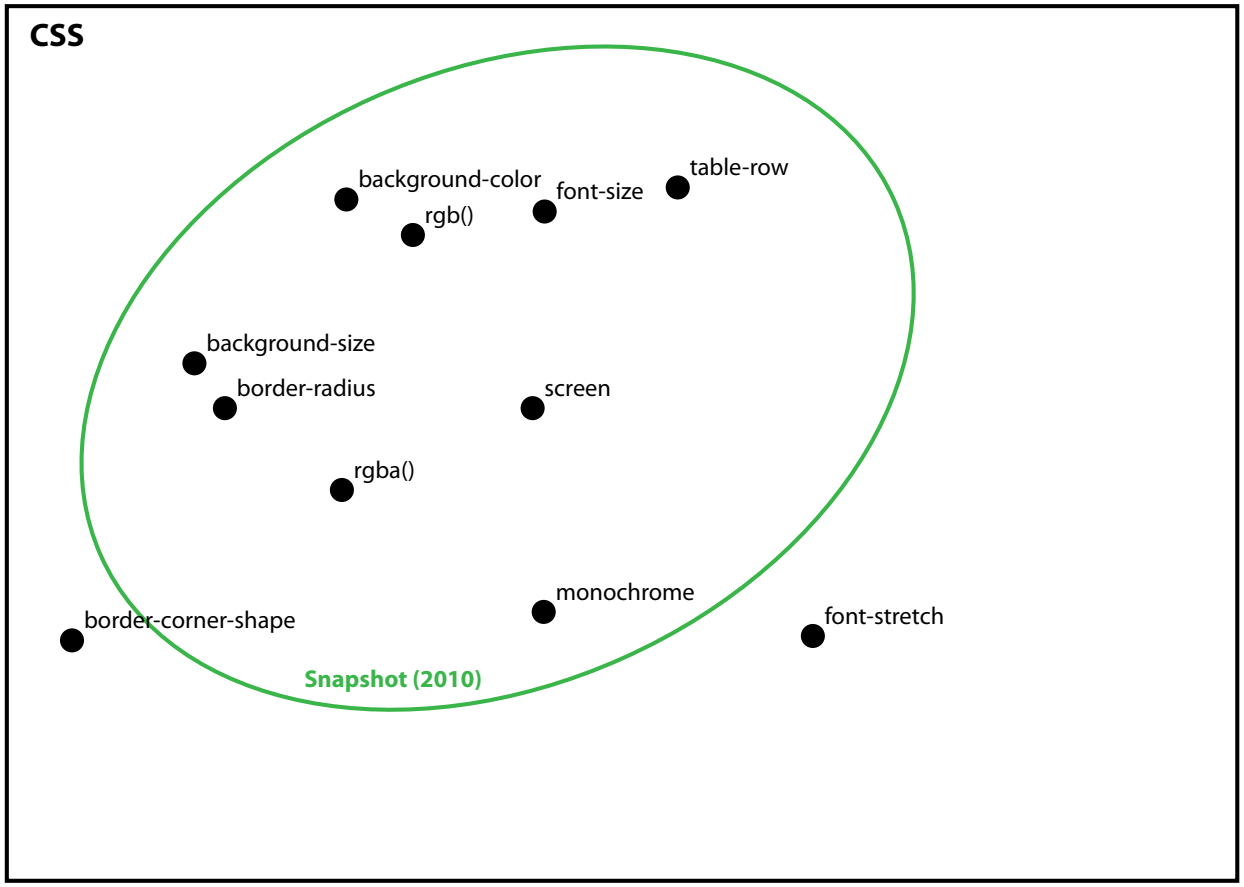
CSS STRUCTURE – MODULES



CSS STRUCTURE – SNAPSHOT I



CSS STRUCTURE – SNAPSHOT 2



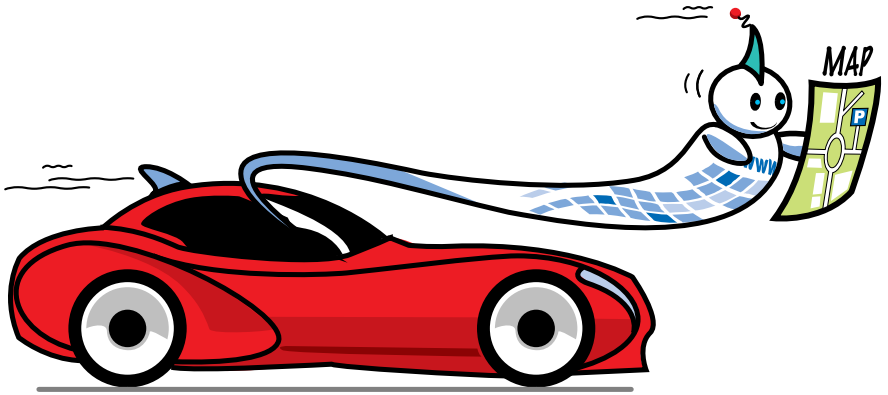
CSS STRUCTURE – SNAPSHOT 3

2013…

Now we just need a better name than “Snapshot 2013”…

More info: CSS current work page↑ and <www-style@w3.org> mailing list↑

PART 3



Part 3 – Examples of current work

Currently stable

CSS 2010 snapshot↑

CSS 2007 snapshot↑

CSS Level 2
CSS Style Attributes
CSS Namespaces
Selectors Level 3
CSS Color Level 3

Media Queries Level 3

GUIs and books

Priorities for next modules mainly come from two types of applications:

- GUI
  for Web Applications in JavaScript
- Document
  books/e-books, magazines, documentation…

Example 1: Backgrounds & Borders

Candidate Recommendation, seems stable, but not well tested yet

Demos:

Useful for both documents and GUIs

Multiple backgrounds & background-size↑

Border-radius & box-shadow↑

Example 2: Multi-column Layout

Candidate Recommendation, works in common cases, but still too many bugs

Mainly for books & magazines

Demo

Two ways to specify columns↑

Example 3: Flexible Box Layout

Candidate Recommendation, only in Opera so far (plus experimental implementations of old drafts)

Mainly GUIs

Demo

Vertical/horizontal, align, flex↑

Example 4: Animations, Transforms, Transitions

Working drafts, but expected CR soon

Mainly GUIs

Demo

This box has an animated background

This box has a transform (rotation) and a transition effect (on hover)

The end

www.w3.org/Talks/2012/1124-CSS-Moscow↑

To Lead the Web to its full potential

To Anticipate the Trends

To Increase your company value

Join W3C

http://www.w3.org/Consortium/join↑

or contact: Bernard Gidon <bgidon@w3.org>↑

Bert Bos <bert@w3.org>↑

GPG fingerprint: 7744 0204 52A5 14D9 147D

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