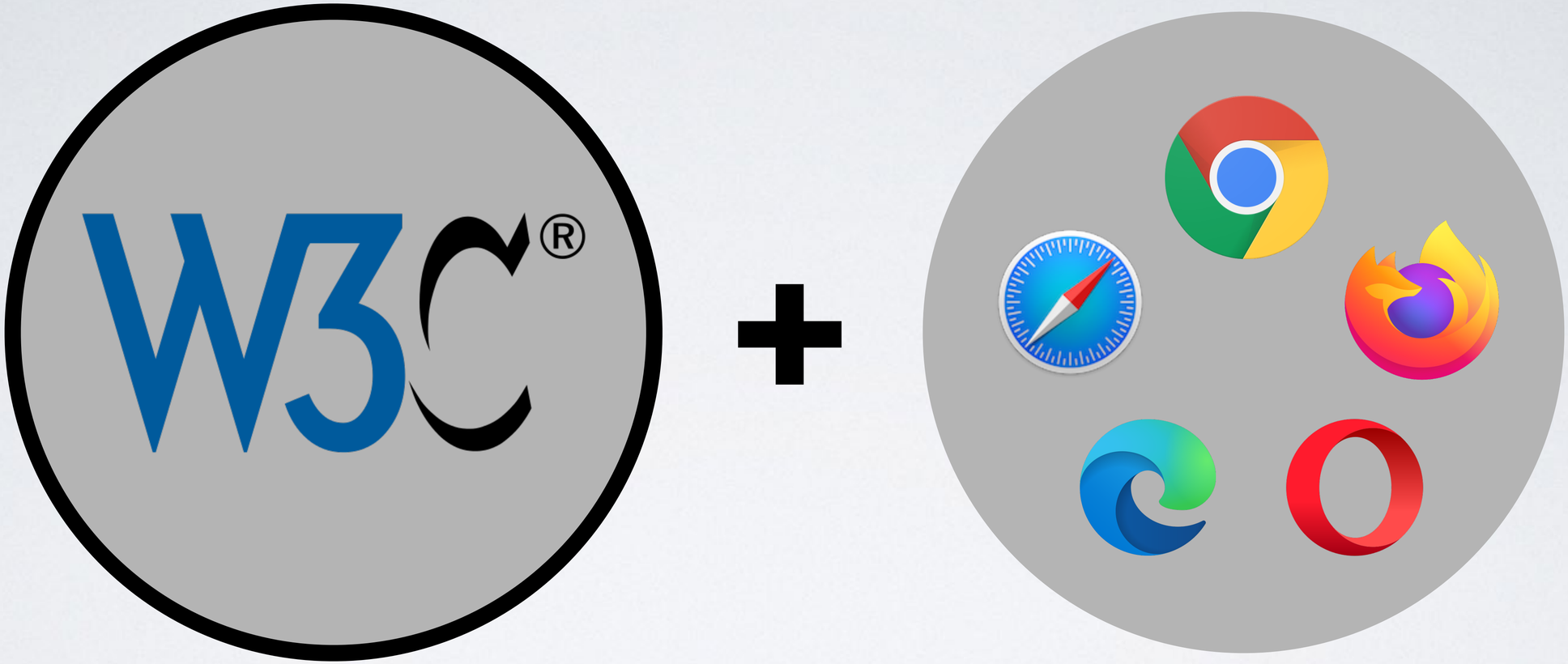
CSS

CSS FUNDAMENTALS

Context

IN A ROCKET
Learn front-end development at *rocket speed*

PAST
+
PRESENT
+
FUTURE


W3C®

MATURITY OF SPECIFICATIONS BY STATUS CODE

- Box properties
- Cascade
- Color + background
- CSS syntax
- Font properties
- Pseudo-classes
- Text properties

CSS 1 + **CSS 2** +

- Box model
- Generated content
- Media types
- Paged media
- Selectors
- Tables
- Visual effects

CSS 1
CSS Level 1

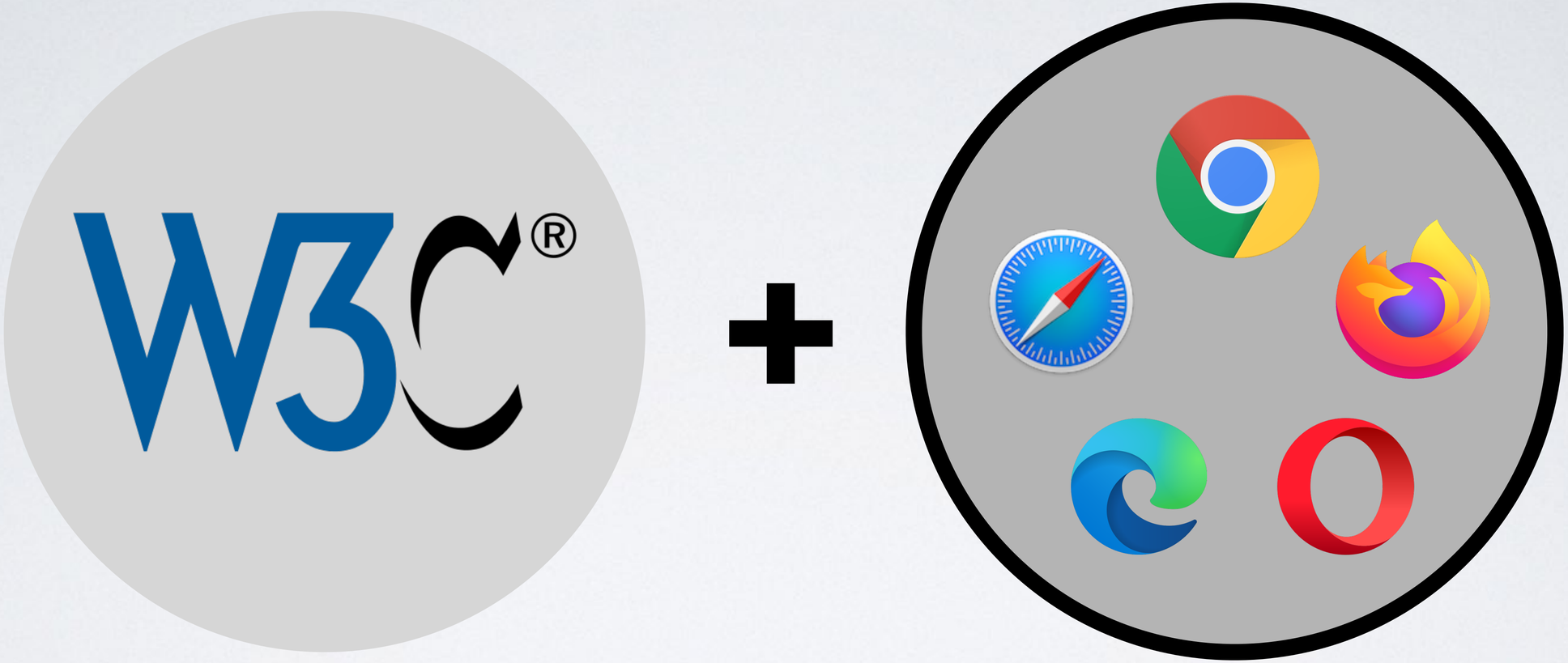
RECOMMENDATION DEC 1996

CSS 2
CSS Level 2

RECOMMENDATION MAY 1998

CSS 2.1
CSS Level 2
Revision 1

RECOMMENDATION JUN 2011

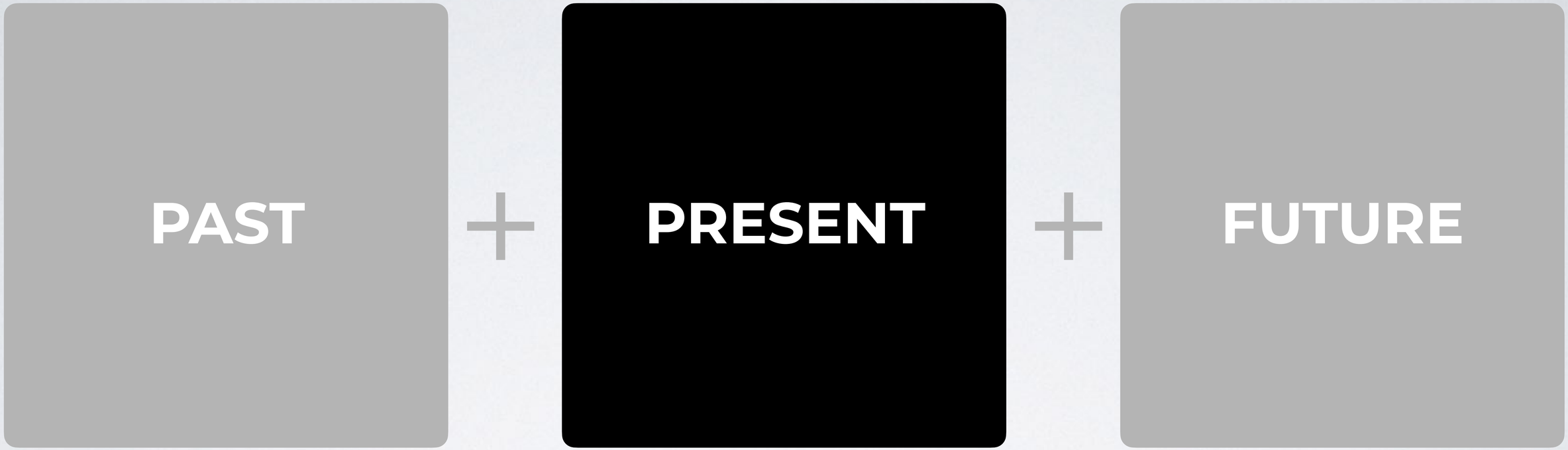

W3C®

STANDARDS WERE OFTEN IGNORED

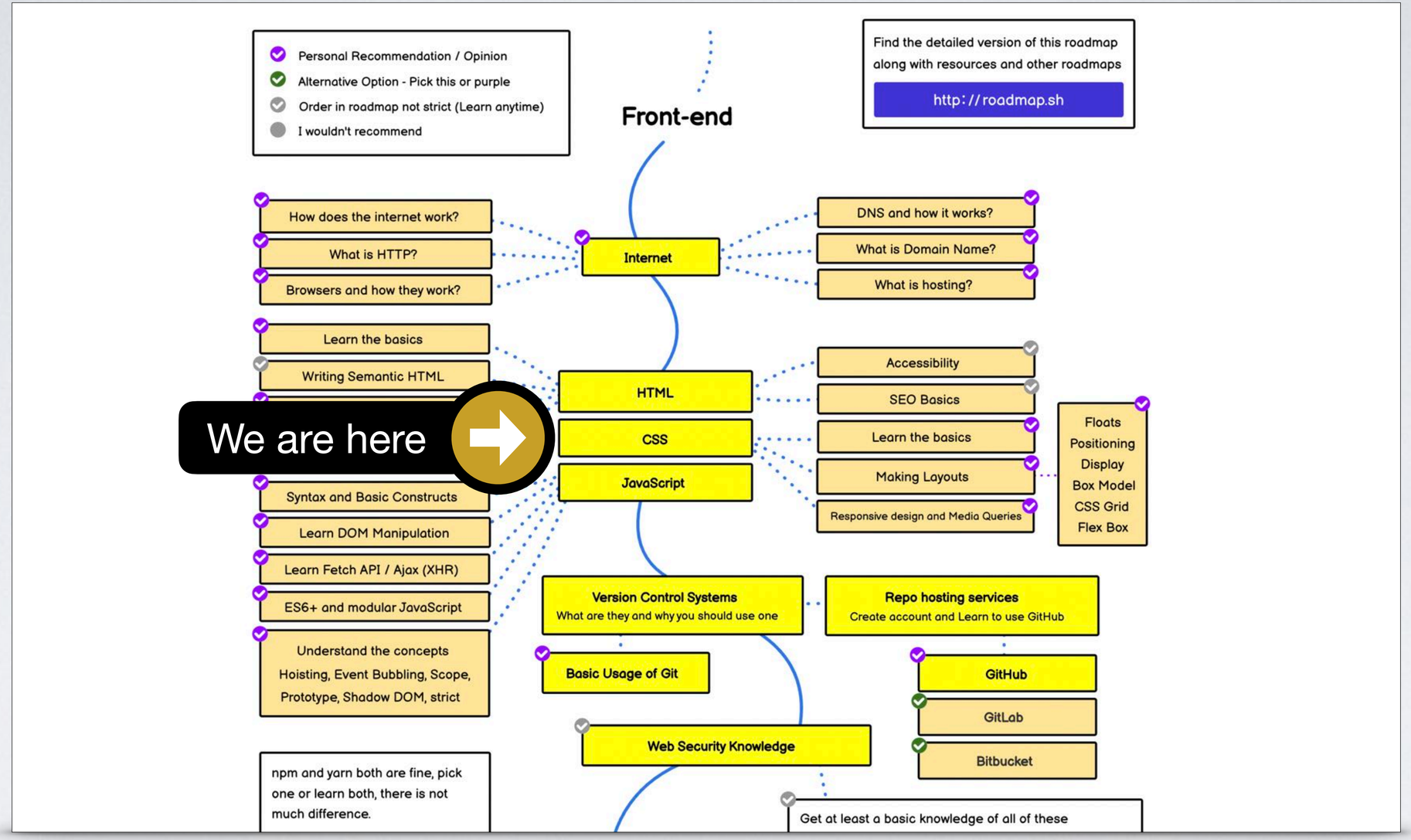
SITE OPTIMIZED FOR:

etc.

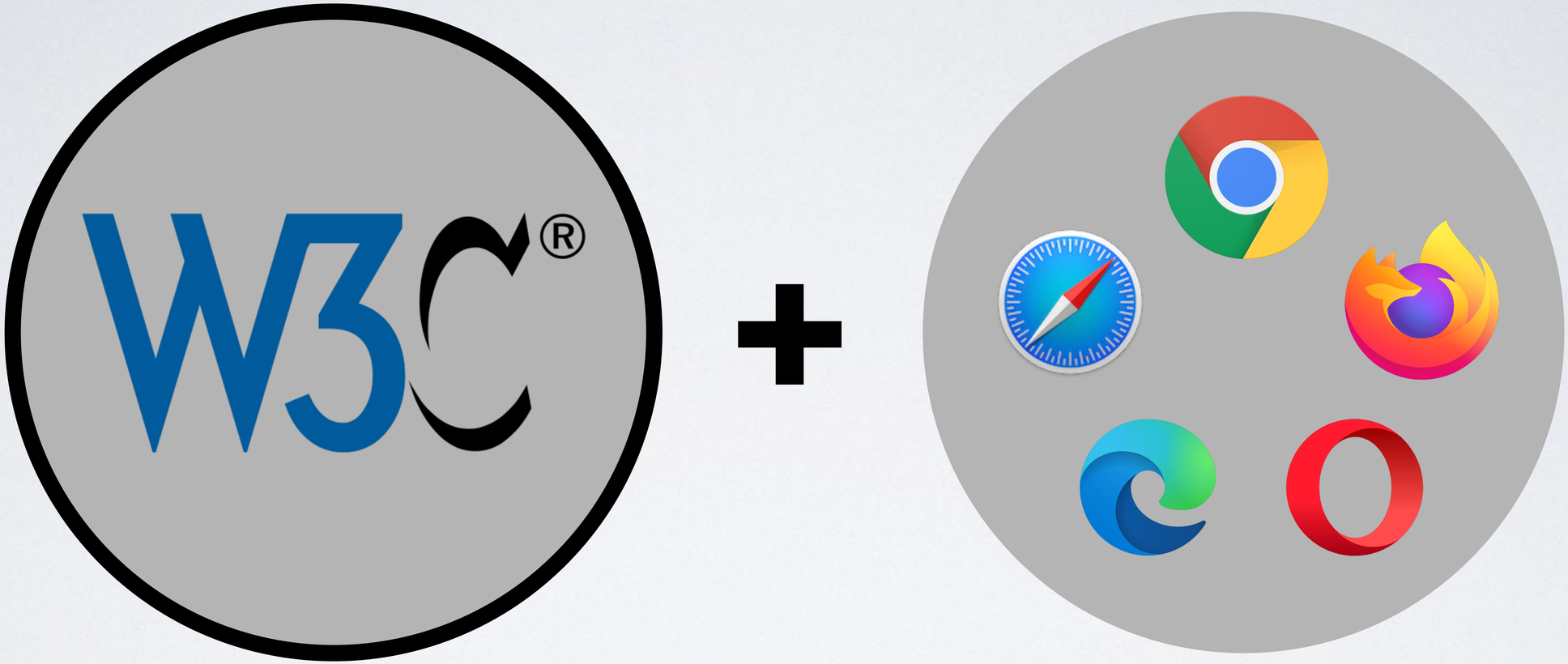
BROWSERS REQUIRED MANUAL UPDATES


PAST
+
PRESENT
+
FUTURE

FRONT-END DEVELOPER ROADMAP



SOURCE: Front-end developer roadmap by Kamran Ahmed.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WHERE ARE WE NOW?

CSS3

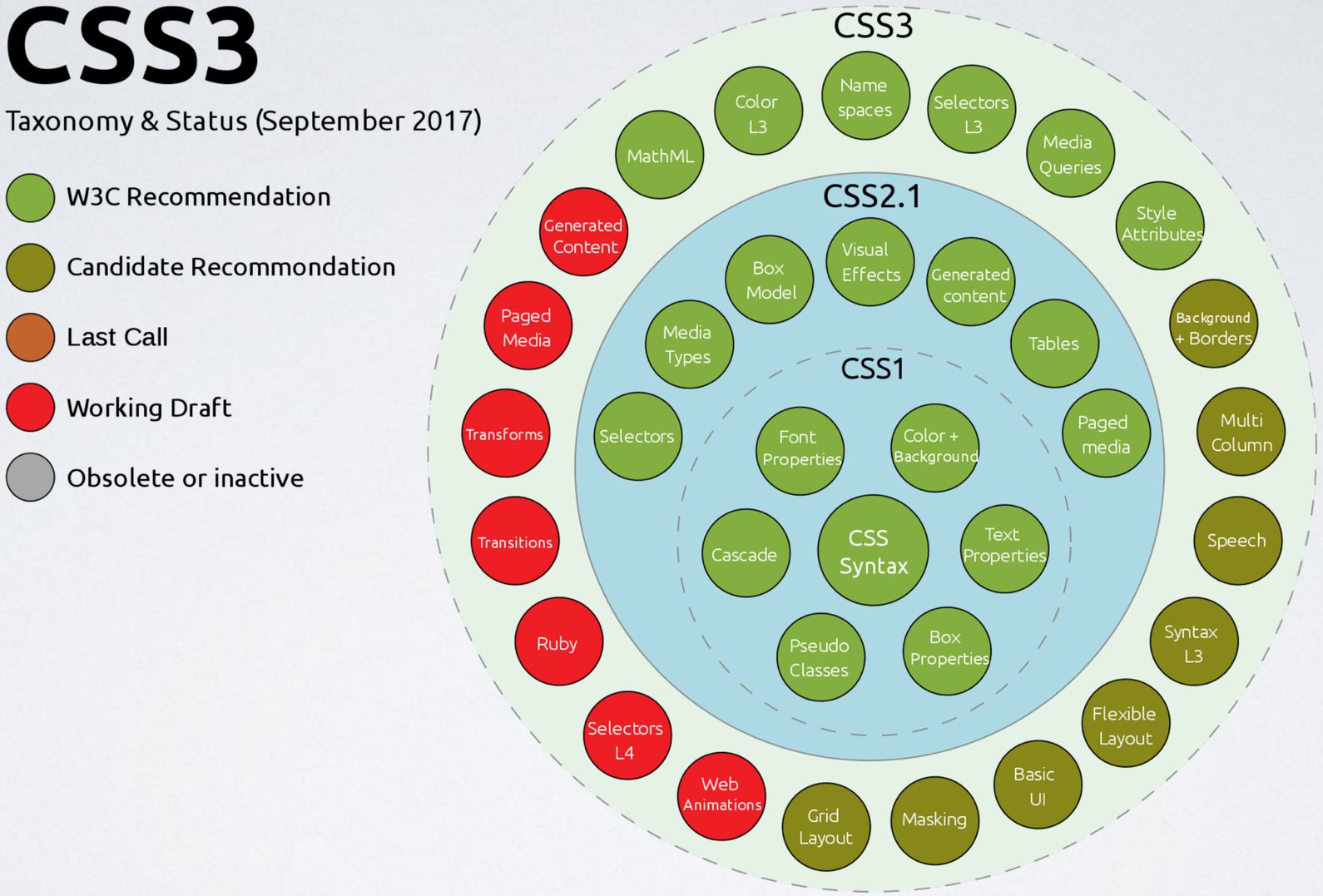
WHERE ARE WE NOW?

CSS4

WHERE ARE WE NOW?

CSS?

CSS3: TAXONOMY AND STATUS BY SERGEY MAVRODY

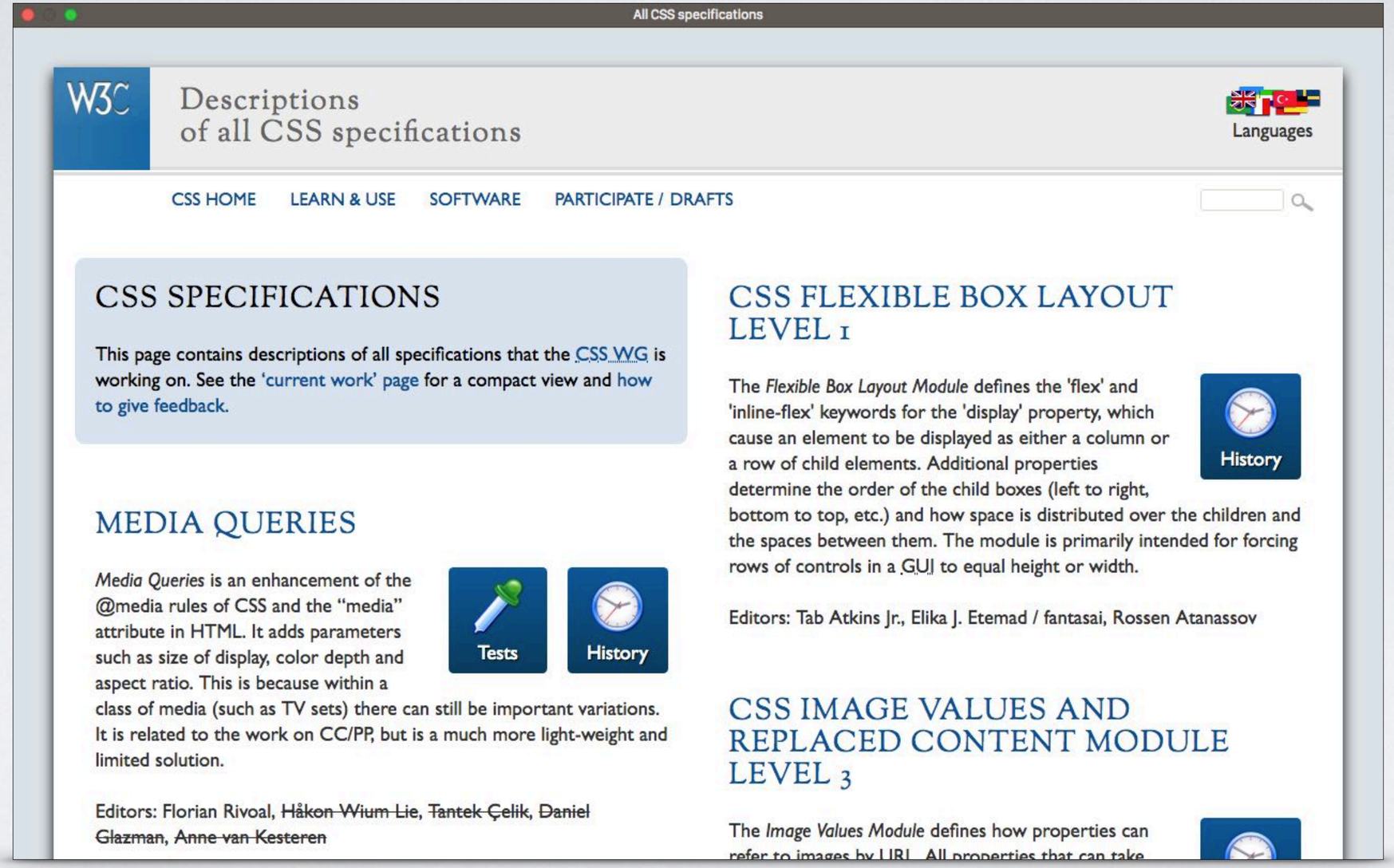


SOURCE: HTML5 & CSS3: Quick Reference by Sergey Mavrody.

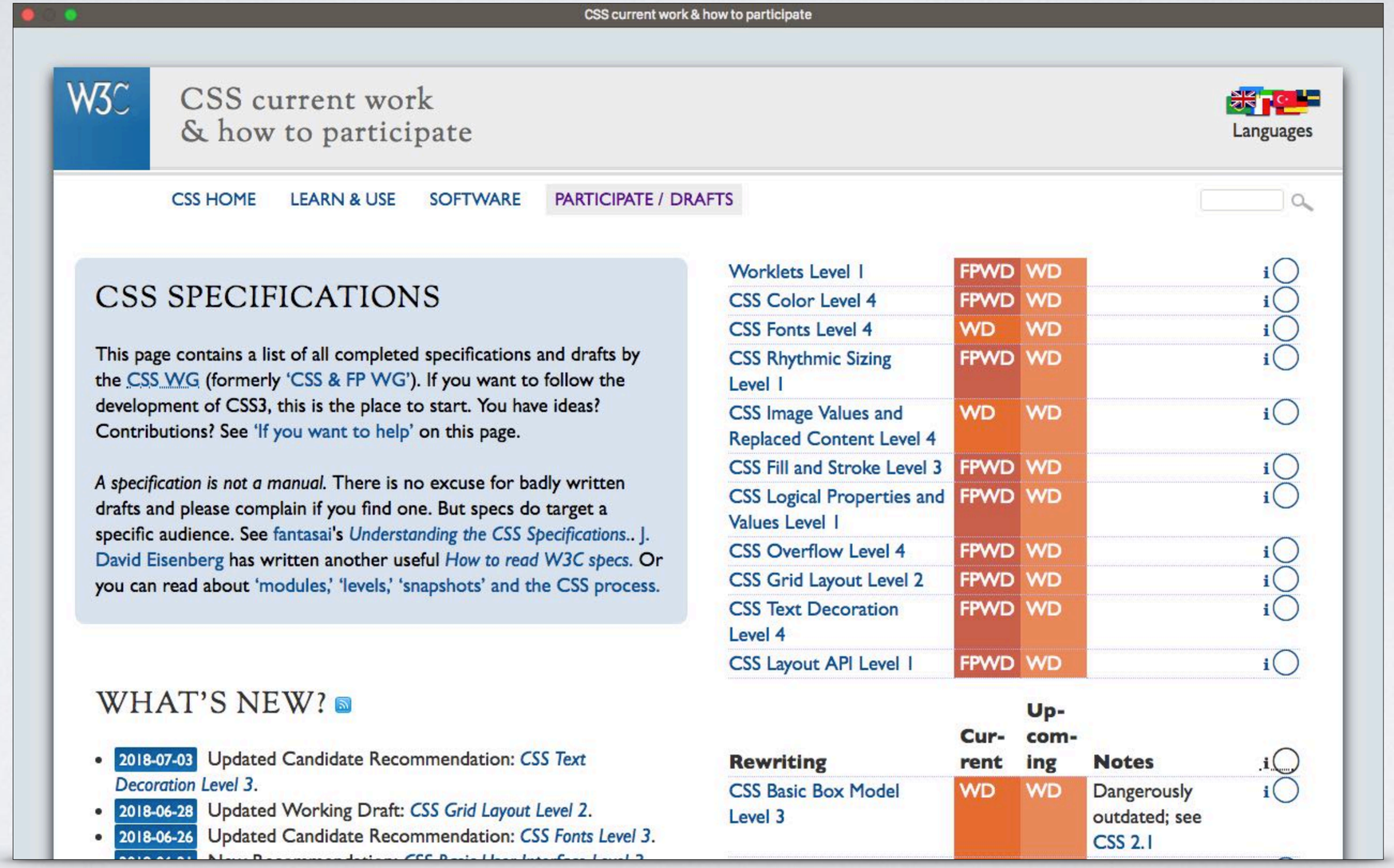
+80

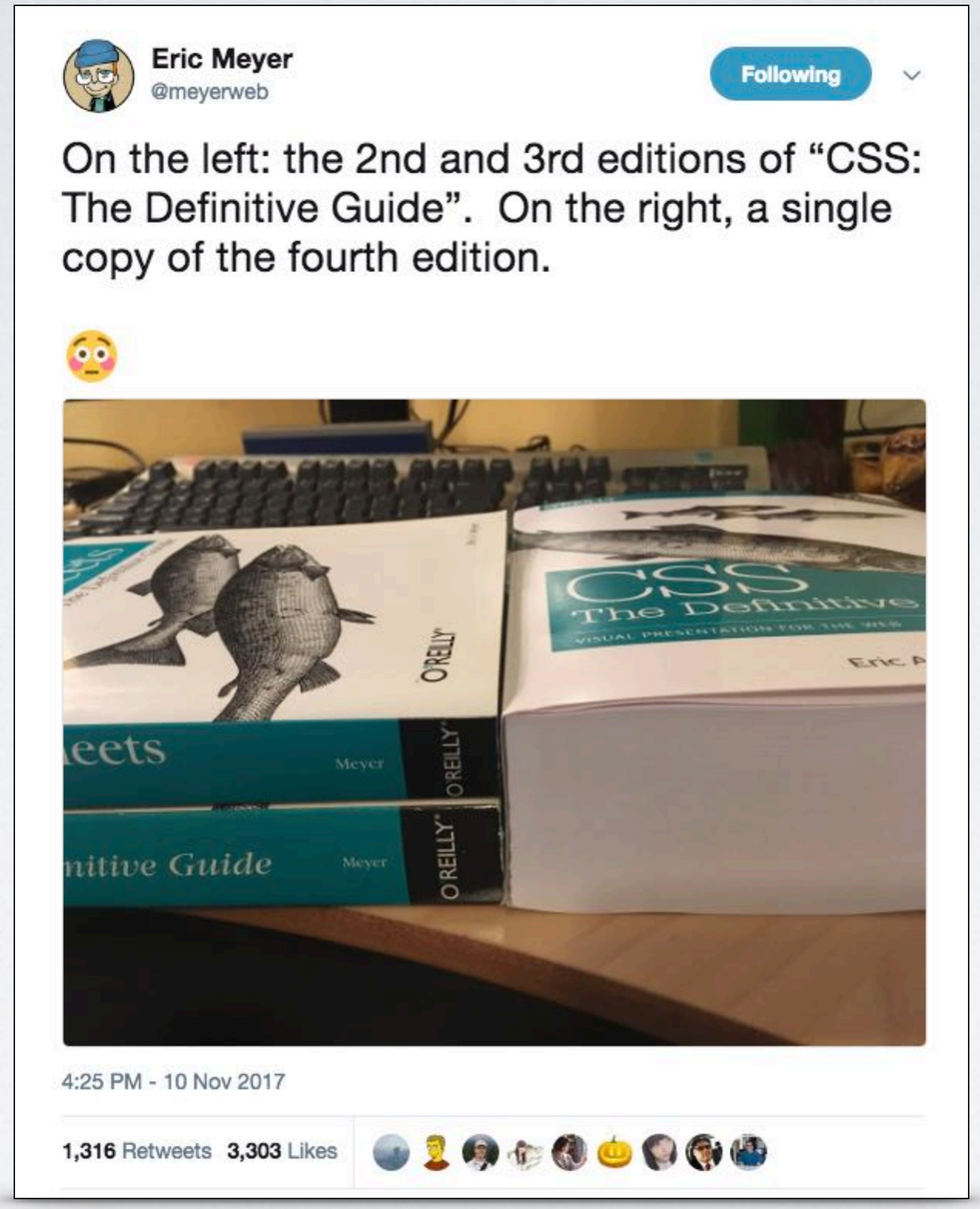
SPECIFICATIONS

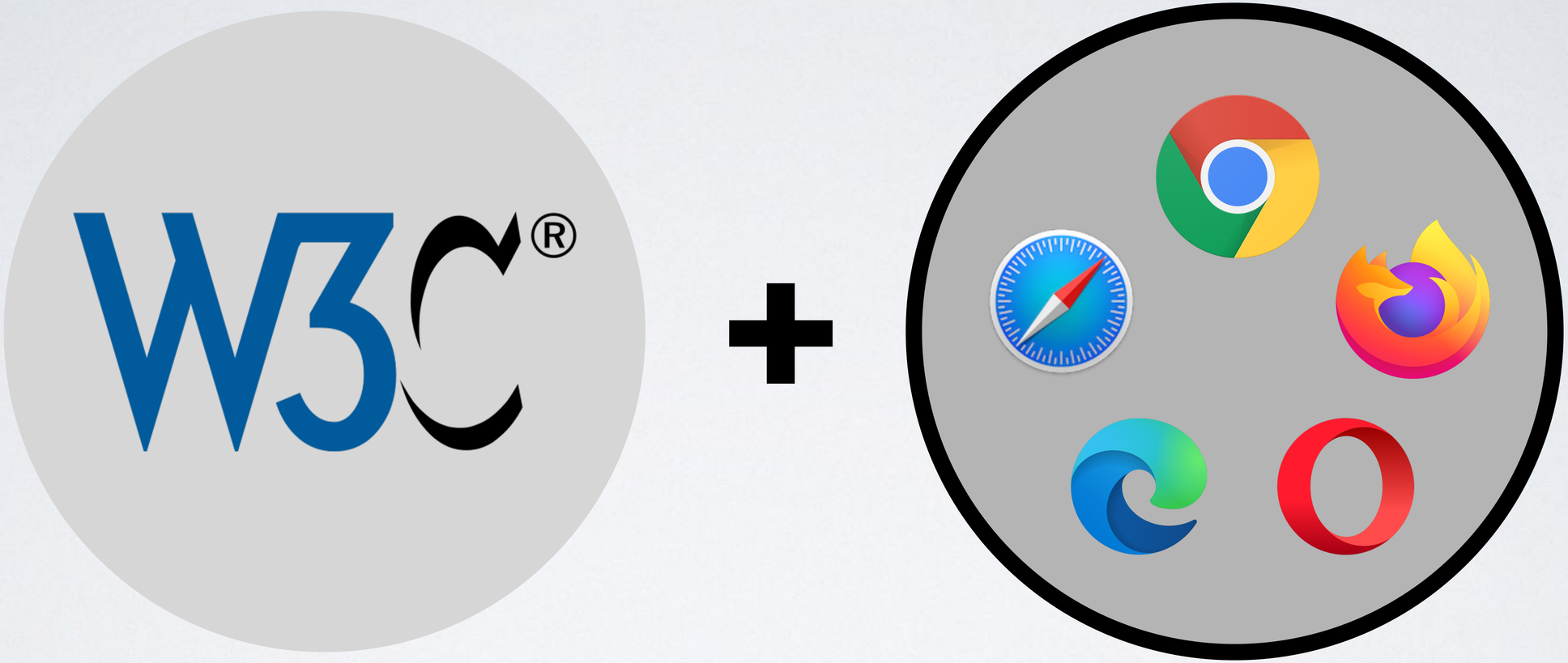
ALL CSS SPECIFICATIONS



CSS CURRENT WORK




Eric Meyer
@meyerweb
Following
On the left: the 2nd and 3rd editions of “CSS: The Definitive Guide”. On the right, a single copy of the fourth edition.
O'REILLY
eets
Meyer
O'REILLY
nitive Guide
Meyer
O'REILLY
CSS
The Definitive
4:25 PM - 10 Nov 2017
1,316 Retweets 3,303 Likes


W3C®

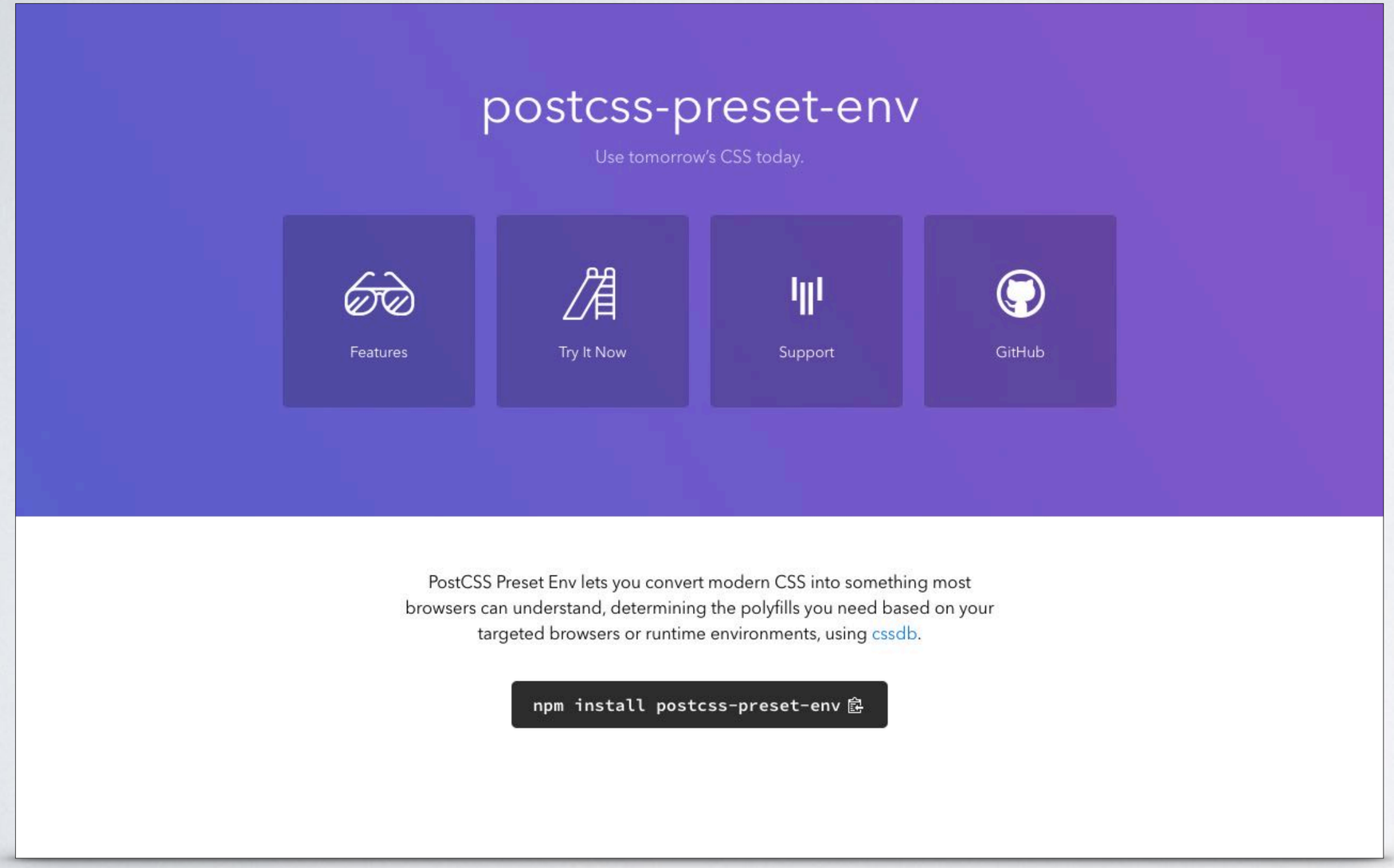
Evergreen browsers

PAST
+
PRESENT
+
FUTURE

POSTCSS
PRESET ENV

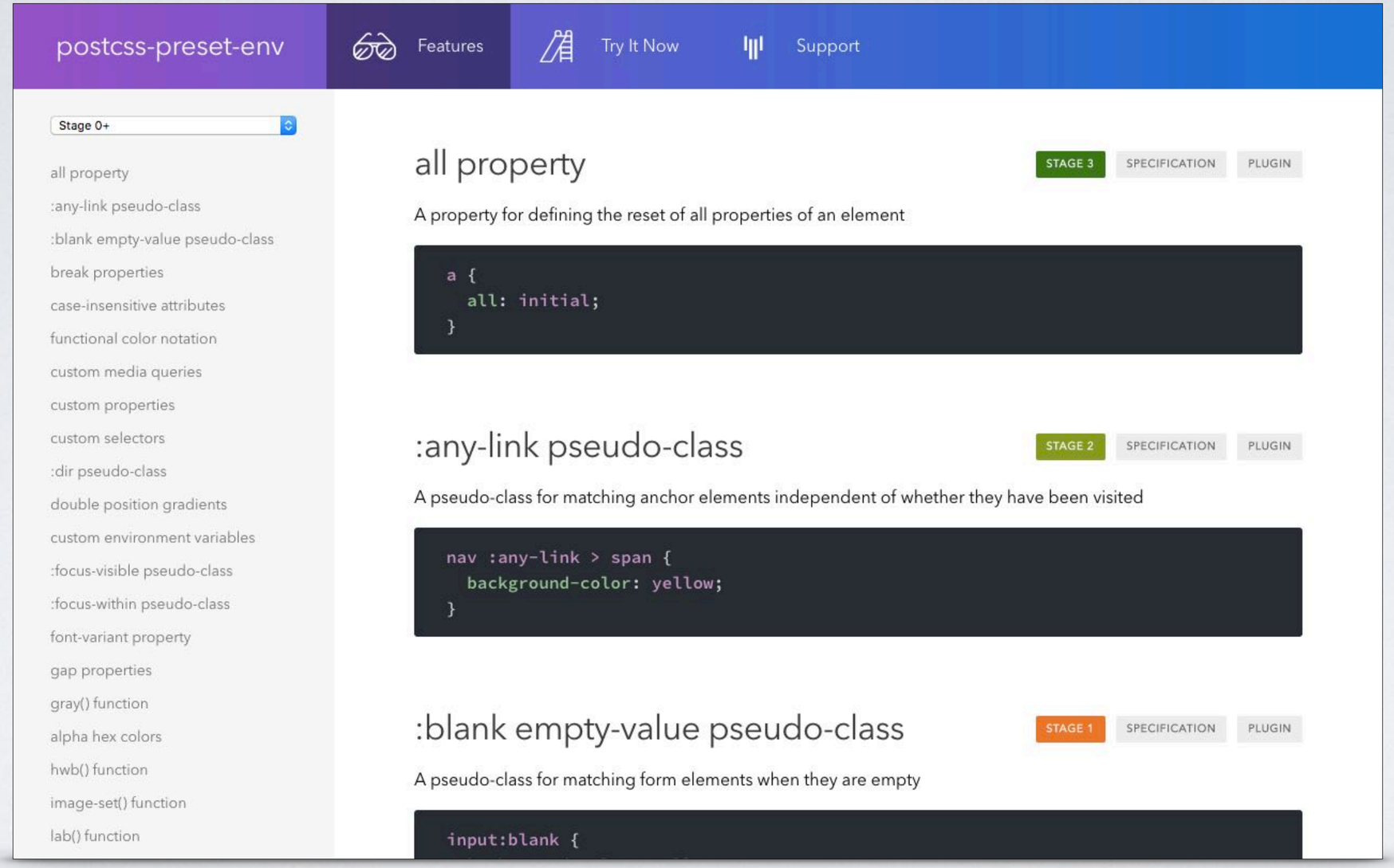
CSS
HOUDINI

POSTCSS PRESET ENV



You can write future CSS syntax, and the plugin will convert it to CSS that browsers will understand (using polyfills).

POSTCSS PRESET ENV



POSTCSS
PRESET ENV

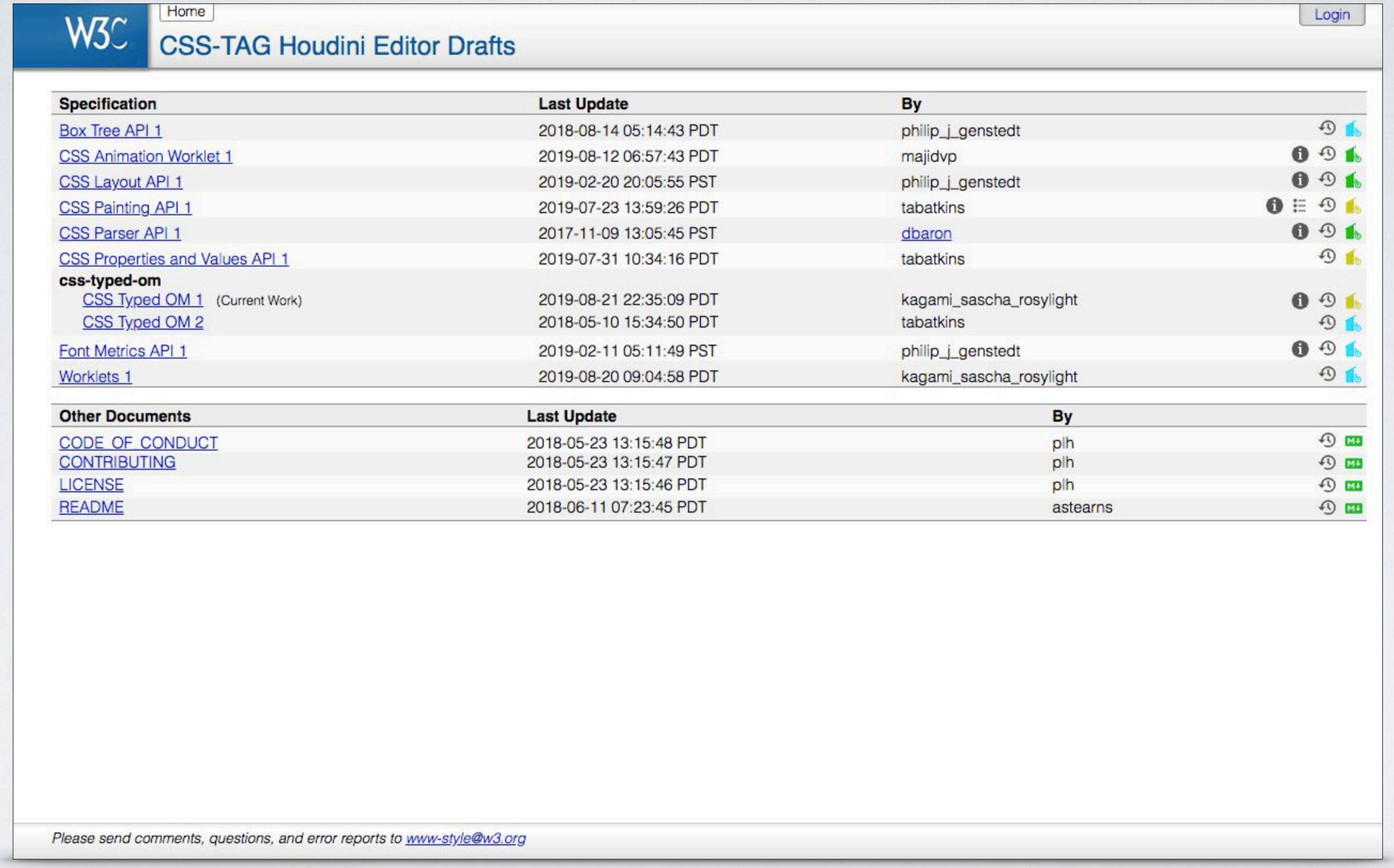
CSS
HOUDINI

CSS HOUDINI

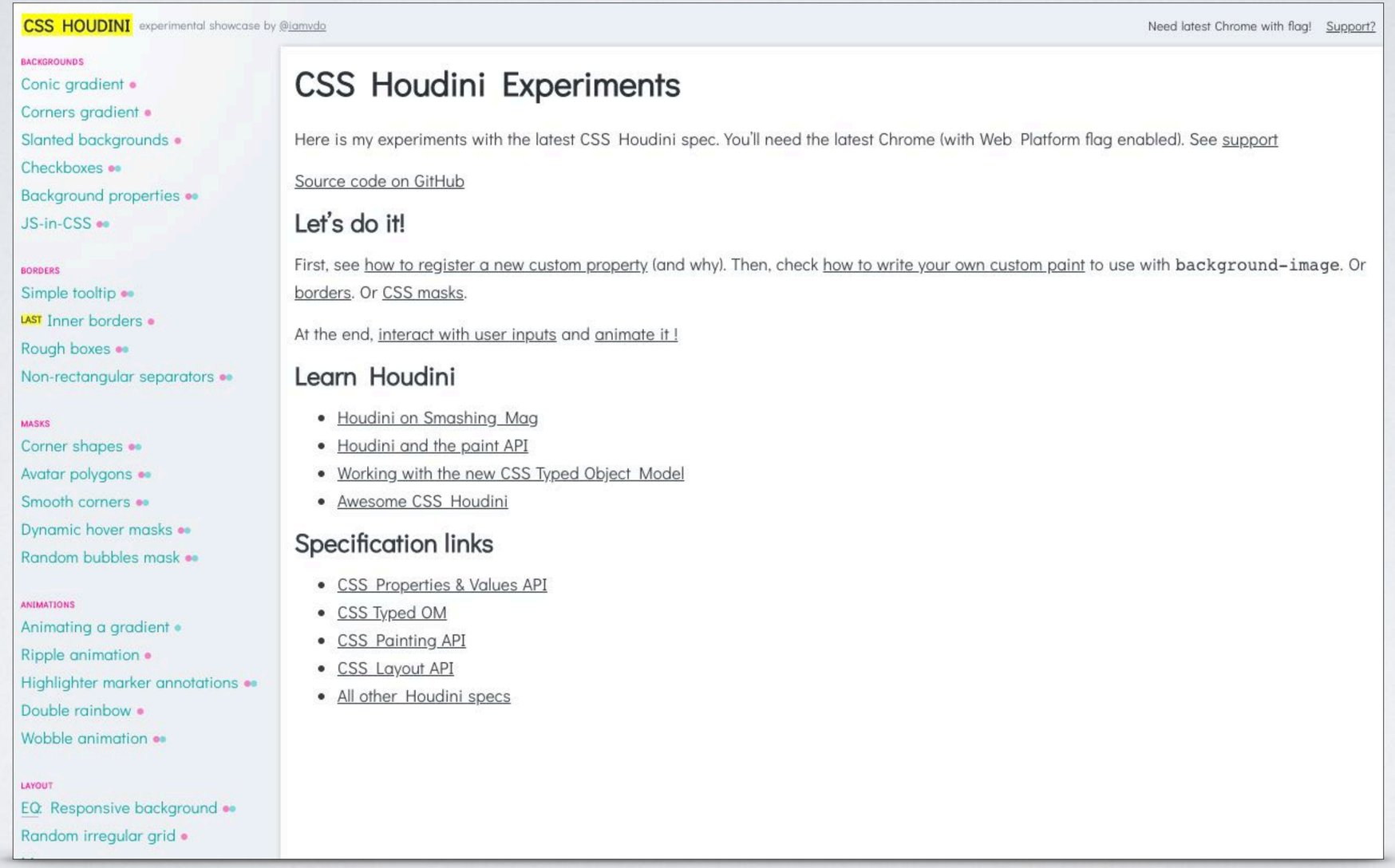
Group of APIs for direct access to the CSS Object Model

Box Tree API	Layout API	Painting API
Parser API	Properties & values API	Font metrics API
Typed OM	Worklets	Animation worklet

CSS HOUDINI: W3C EDITOR DRAFTS



CSS HOUDINI: EXPERIMENTS



CSS HOUDINI: BROWSER SUPPORT

July 2019

Is Houdini ready yet?

	Google Chrome	Mozilla Firefox	Opera	Microsoft Edge	Samsung Internet	Apple Safari	Spec
Layout API (Explainer Demos)	Partial support (Canary) Details	Intent to implement Details	No signal	No signal	No signal	No signal	First Public Working Draft Spec
Paint API (Explainer Demos Article)	Shipped (Chrome 65) Details	Intent to implement (Servo) Details	Shipped (Opera 52) Details	No signal	Shipped (Internet 9.2) Details	In Development Details	Candidate Recommendation Spec
Parser API (Explainer)	No signal	No signal	No signal	No signal	No signal	No signal	No spec
Properties & Values API (Demos)	Partial support (Canary) Details	In Development Details	No signal	No signal	No signal	Partial support (Safari TP 67) Details	Working Draft Spec
AnimationWorklet (Explainer Demos Article)	Partial support (Canary) Details	No signal	No signal	No signal	No signal	No signal	First Public Working Draft Spec
Typed OM (Explainer Article)	Shipped (Chrome 66) Details	Intent to implement Details	Shipped (Opera 53) Details	No signal	Shipped (Internet 9.2) Details	In Development Details	Working Draft Spec
Font Metrics API (Explainer)	No signal	No signal	No signal	No signal	No signal	No signal	No spec

CSS HOUDINI: BROWSER SUPPORT

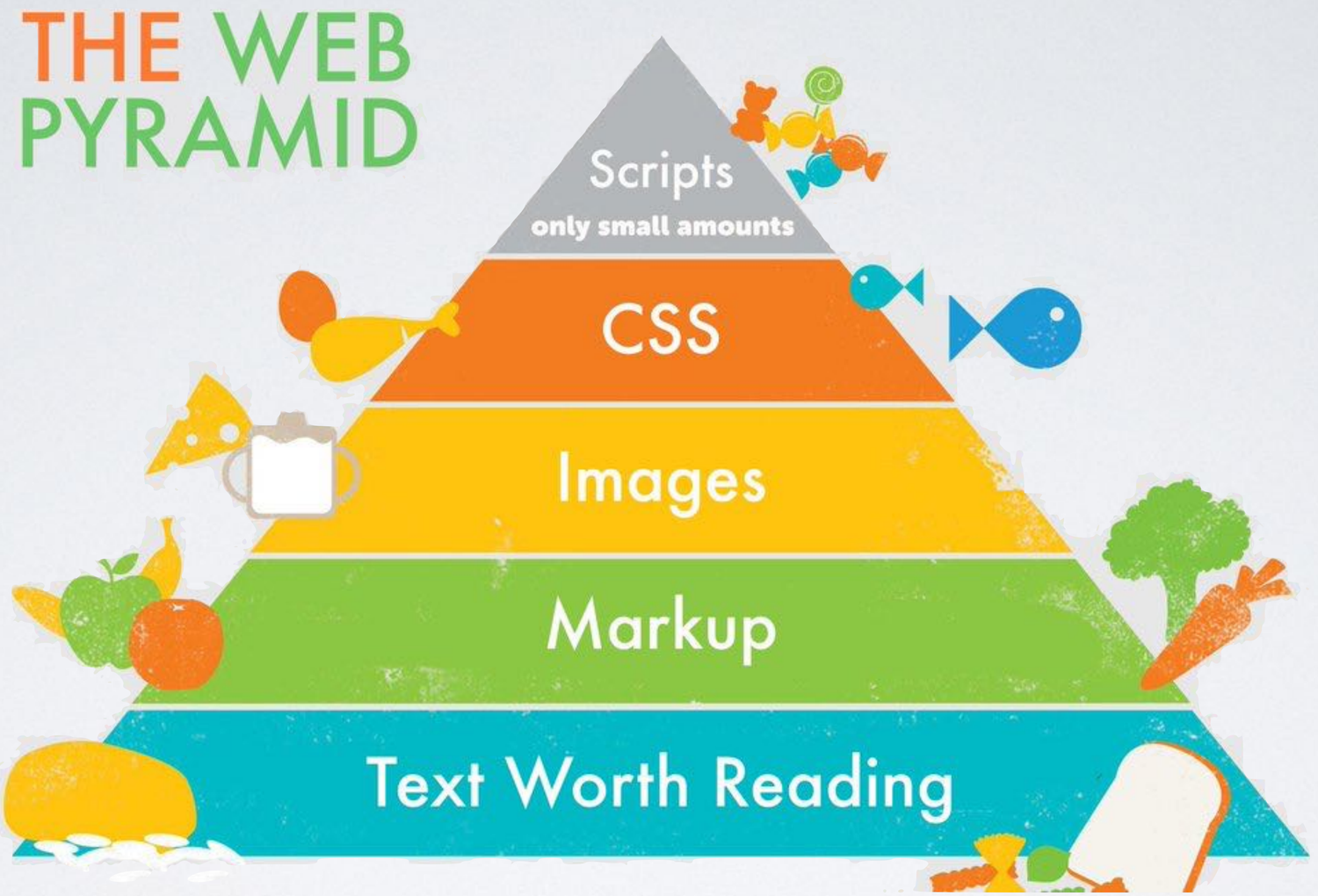
February 2022

Is Houdini ready yet?

	Google Chrome	Microsoft Edge	Opera	Samsung Internet	Mozilla Firefox	Apple Safari	Spec
Engine	Blink				Gecko	WebKit	-
Paint API (Explainer Demos Article)	Shipped (Chrome 65) Details	Shipped (Edge 79) Details	Shipped (Opera 52) Details	Shipped (Internet 9.2) Details	Under consideration Details	In Development Details	Candidate Recommendation Spec
Properties & Values API (Demos Article)	Shipped (Chrome 78) Details	Shipped (Edge 79) Details	Shipped (Opera 65) Details	Shipped (Internet 12.0) Details	Under consideration Details	Partial support (Safari TP 67) Details	Working Draft Spec
Typed OM (Explainer Article)	Shipped (Chrome 66) Details	Shipped (Edge 79) Details	Shipped (Opera 53) Details	Shipped (Internet 9.2) Details	Under consideration Details	In Development Details	Working Draft Spec
Layout API (Explainer Demos)	Partial support (Canary) Details	Partial support (Canary) Details	Partial support (Developer) Details	No signal	Under consideration Details	Under consideration Details	First Public Working Draft Spec
AnimationWorklet (Explainer Demos Article)	Partial support (Chrome 71) Details	Partial support (Edge 79)	Partial support (Opera 58)	Partial support (Internet 10.2)	No signal	Under consideration Details	First Public Working Draft Spec
Parser API	No signal	No signal	No signal	No signal	No signal	No signal	Proposal

PAST + PRESENT + FUTURE

CONTENT IS KING, NOT CSS



SOURCE: The Web Pyramid by @pinboard.

CSS

CSS FUNDAMENTALS

Context

IN A ROCKET
Learn front-end development at *rocket speed*