

Browser Compatibility Data

A Shared Resource

Justin Crawford, Mozilla

Developers
choose the
web for
reach.



copyright © 2007 Bill Frymire



6,653
questions tagged

cross-browser

Building
for multiple
browsers is
HARD.

(oh, over here, too...)

29,734
questions tagged



google-chrome

22,412
questions tagged



firefox

[about »](#)

28,845
questions tagged



internet-explorer

Cross browser compatibility is MESSY

	Desktop	Mobile			
Feature	Chrome	Firefox (Gecko)	Internet Explorer	Opera	Safari
Basic support	1.0	1.0 (1.7 or earlier)	2 or earlier	1.0	1.0
incremental	(Yes)	Not supported	Not supported	Not supported	(Yes)
inputmode	Not supported	Not supported	Not supported	Not supported	Not supported
list	20.0	4.0 (2.0)	10	9.6	Not supported
max	5.0	16.0 (16.0)	?	10.62	?
maxlength	1.0	1.0 (1.7 or earlier)	2	1.0	1.0
min	5.0	16.0 (16.0)	?	10.62	?
minlength	40.0	?	?	?	?
multiple	1.0 (supported for type=file)	3.6 (1.9.2) for type=file (Yes) for type=email	10	1.0 (10.62 support for	?

Compatibility information: An oral tradition

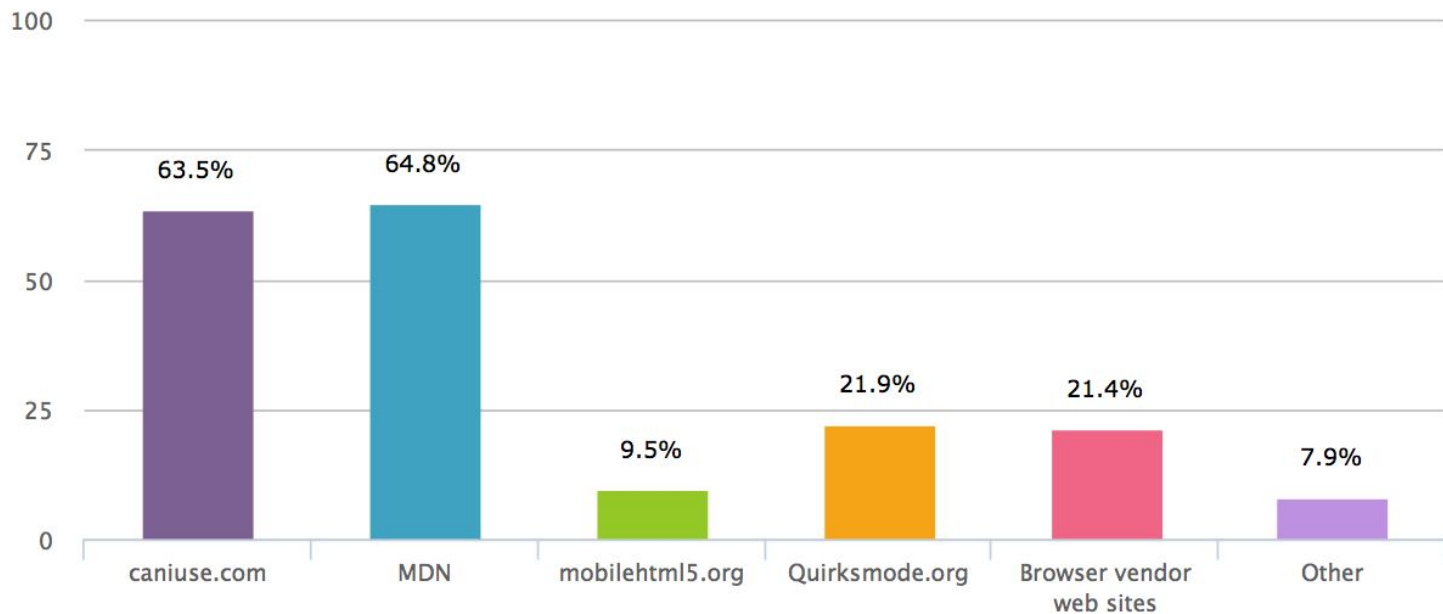


Browser vendors have this data, but...

- Microsoft
 - <http://status.modern.ie>
Very good, but only an overview of new features since IE8
- Google
 - [Chromium Feature Dashboard](#)
Very good, but only an overview of new features for Chromium
- Apple
 - <https://www.webkit.org/blog/>
Unstructured and partial information
- Mozilla
 - <https://developer.mozilla.org>
Very good, but unstructured and incomplete

Here's what developers* do now:

Which sites do you use to research cross-browser compatibility?



caniuse.com

Can I use ? [Settings](#)

3 results found

@font-face Web fonts  - CR

Global

90.55% + 3.3% = 93.86%

Method of displaying fonts downloaded from websites

Current aligned

Usage relative

Show all

IE	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
		31						
		35						
		36					4.1	
8		37					4.3	
9		38					4.4	
10	34	39	7.1	26	7.1		4.4.4	
11	35	40	8	27	8.1	8	37	40

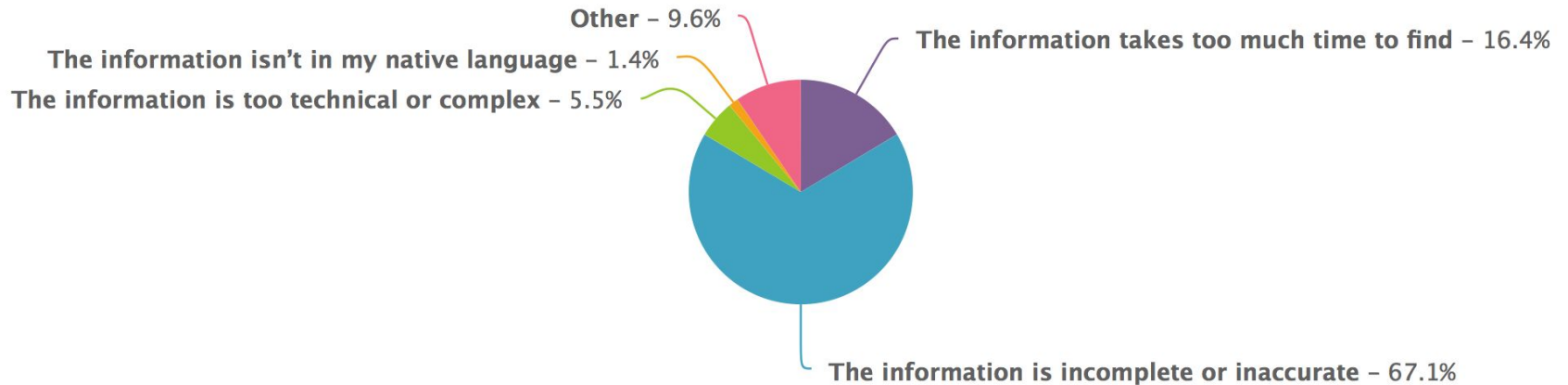
Browser compatibility

Desktop

Mobile

Feature	Firefox (Gecko)	Chrome	Internet Explorer	Opera	Safari
Basic support	3.5 (1.9.1)	4.0	4.0	10.0	3.1
WOFF	3.5 (1.9.1)	6.0	9.0	11.10	5.1
WOFF2	35 (35) behind a pref [1]	38	Not supported	24	Not supported
SVG Font	Not supported Unimplemented (see bug 119490)	(Yes)	Not supported	(Yes)	(Yes)
unicode-range	36 (36)	(Yes)	9.0	(Yes)	(Yes)

Is it good enough? No.



Almost 40% of the developers we surveyed said

**they won't use
the features**

they can't find good compatibility data for.



(sad)



browsercompat.org



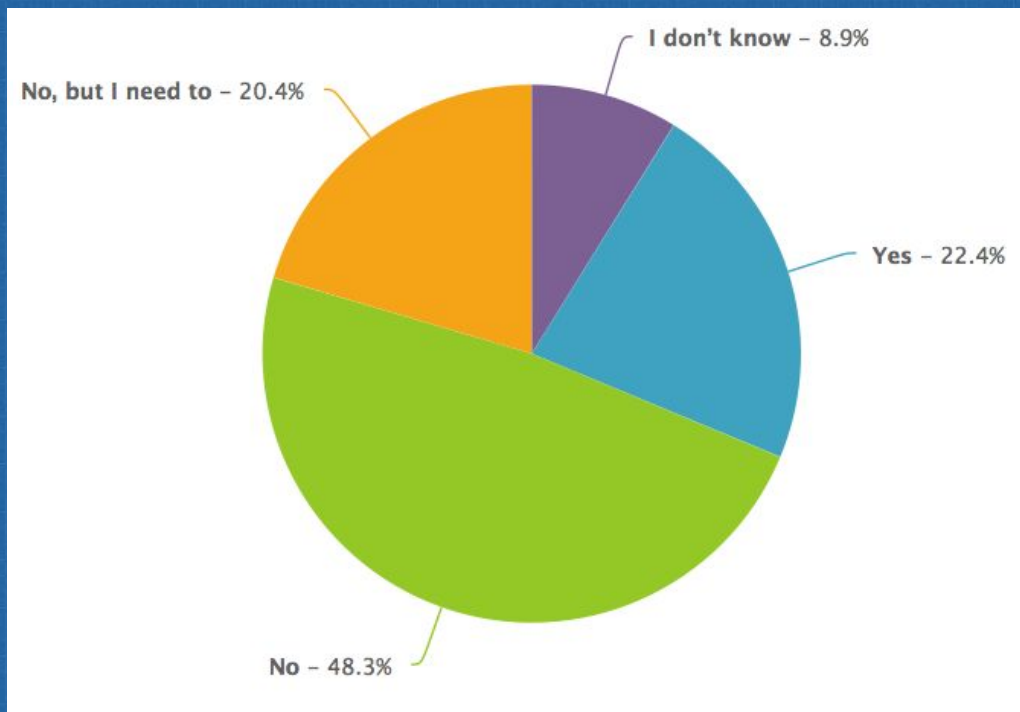
An open, CC0-licensed, read/write API of structured browser compatibility data. Serving MDN -- and serving you.

What would make it awesome?

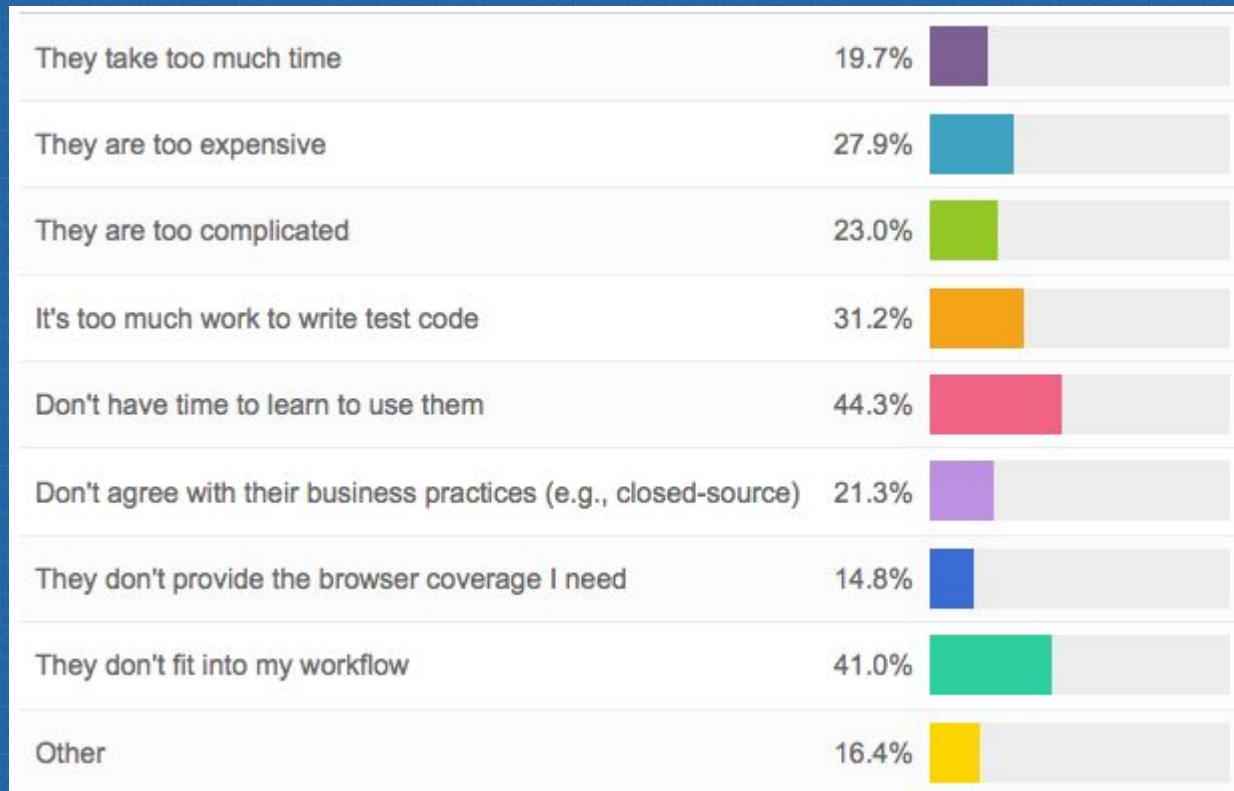
1. Contributors
2. Users
3. Automation

One example: compatibility linting

Q: Do you use a service to test your code across browsers?



Q: Why don't you use existing tools to test across browsers?



How can you help?

- Watch for public release of read/write API
- Use the public write API or the public contribution UI to add compatibility data
- Build your own tools taking advantage of this public API
- Talk about it; help make it authoritative and great

**Reach out to tell us what you're doing in this space
and be included in future meetings/conversations:
mozilla.mdn.services@lists.mozilla.org**

Questions?



Justin Crawford

hoosteenomozilla.com

@hoosteenom