

CSS vendor prefixes

Analysis highlights of CSS on the top 30,000 sites
on the web

December 2011

Mozilla Market Insights



Market Insights

Background

- Top 30K domains on the web, using November 2011 list compiled by httparchive.org
 - 88K CSS files individually downloaded
 - Each file parsed, using Python `cssutils` library
 - 14.1m individual CSS rules
 - 51.6m CSS properties
 - Loaded into MySQL Infobright database for analysis
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- Average CSS file had 160 rules
 - Average domain had 468 rules



Vendor prefixes

Most domains use them, but only on about 1.5% of rules

- Each property reviewed to see if it had a -moz-, -webkit-, -o-, -ms-, or -khtml- prefix
- 52% of domains had at least one CSS file that used a vendor prefix
- 86% of files had at least one rule that used a vendor prefix
- Of the 14.1m rules, 208K (1.47%) used at least one vendor prefix



Top twenty properties w/ prefixes

- Table below summarizes the top twenty CSS properties that have vendor prefixes
- Columns show the % of rules with the property that use each prefix
- Eg, 30.4% of all rules that used *border-radius* had a *-moz-* version of that property

CSS property	NONE	-moz-	-webkit-	-o-	-ms-	-khtml-
border-radius	37.0%	30.4%	26.4%	1.7%	1.3%	3.2%
box-shadow	39.1%	27.7%	27.2%	2.7%	1.7%	1.6%
border-top-right-radius	30.1%	32.6%	32.7%	1.0%	0.8%	2.8%
border-radius-bottomright	1.1%	49.0%	43.4%	1.4%	1.3%	3.8%
border-top-left-radius	31.8%	30.2%	33.5%	0.9%	0.8%	2.7%
border-bottom-left-radius	30.7%	30.6%	34.2%	1.0%	0.8%	2.8%
border-radius-topright	1.2%	53.5%	39.6%	1.4%	1.2%	3.2%
border-bottom-right-radius	33.2%	25.0%	36.5%	1.2%	1.1%	3.1%
opacity	79.5%	15.5%	0.4%	0.0%	0.5%	4.0%
border-radius-topleft	1.9%	81.0%	13.2%	0.7%	0.6%	2.7%
border-radius-bottomleft	1.9%	81.4%	12.3%	0.8%	0.7%	2.9%
transition	26.3%	25.4%	28.9%	14.8%	4.1%	0.5%
filter	85.4%	1.5%	0.7%	0.1%	11.8%	0.6%
transform	20.1%	27.4%	30.8%	13.4%	7.8%	0.5%
background-clip	26.7%	50.5%	18.3%	1.6%	1.8%	1.1%
user-select	17.0%	38.0%	18.7%	6.1%	1.5%	18.7%
box-sizing	46.6%	25.1%	18.6%	1.1%	7.3%	1.2%
background-origin	16.8%	76.5%	3.8%	1.0%	0.8%	1.1%
background-inline-policy	0.0%	97.7%	2.2%	0.0%	0.0%	0.1%
transition-duration	29.1%	21.6%	29.0%	14.4%	3.6%	2.3%



