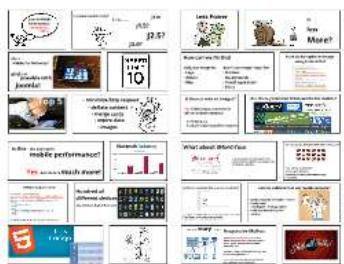


Joomla Mobile Performance: The Mythes Responsive

2013



2014

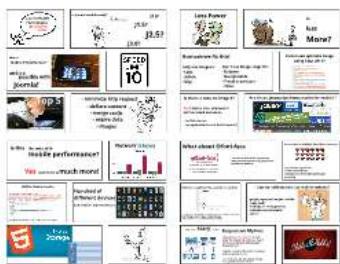


2015



Joomla Mobile Performance: The Mythes Responsive

2013



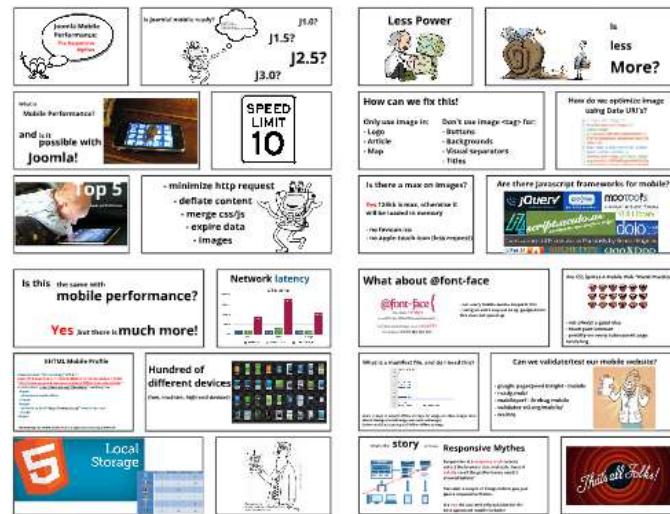
2014



2015



2013

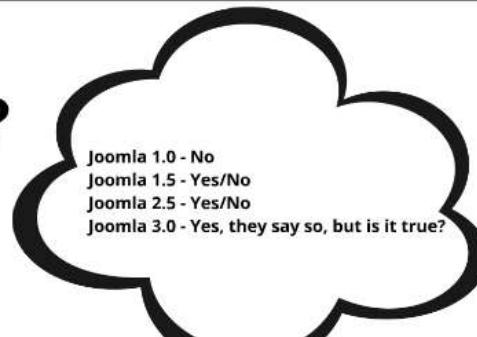


2015

Joomla Mobile Performance: **The Responsive Mythes**



Is Joomla! mobile ready?



J1.0?

J1.5?

J2.5?

J3.0?

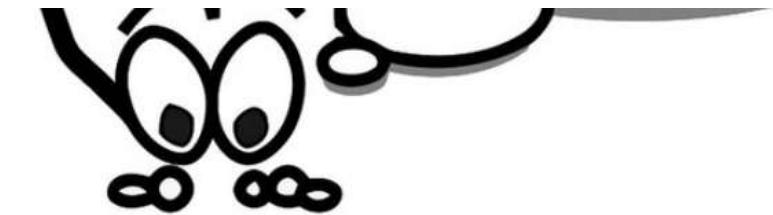


Joomla 1.0 - No

Joomla 1.5 - Yes/No

Joomla 2.5 - Yes/No

Joomla 3.0 - Yes, they say so, but is it true?



What is
Mobile Performance?

and is it
possible with
Joomla!



- minim
defi -

Top 5

basic performance



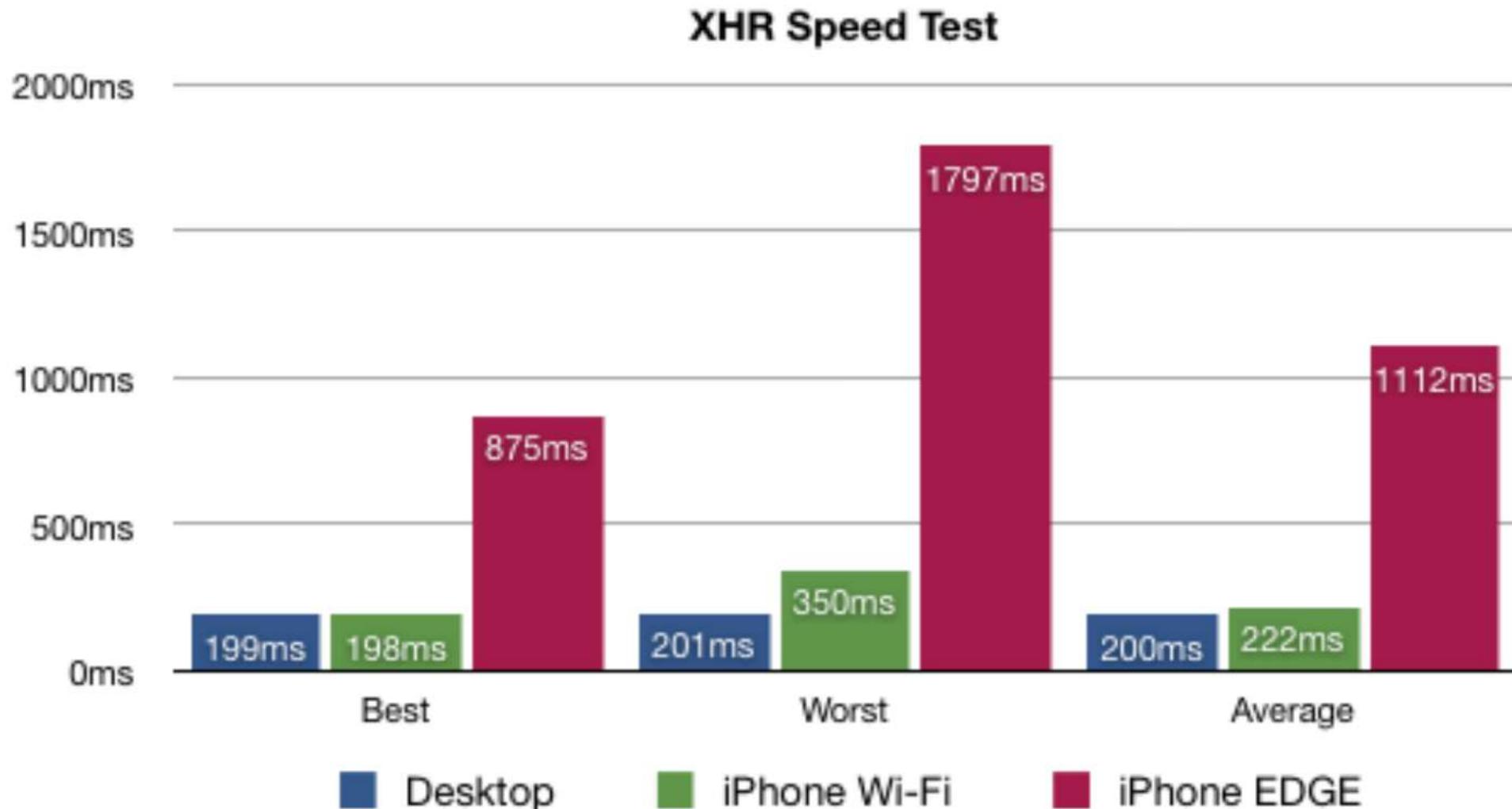


- minimize http request
 - deflate content
 - merge css/js
 - expire data
 - images



Network latency

Network latency



How do we optimize image using Data URI's?

```
1 /* Data URI images */
2 #top{background-image:url
(data:image/
gif;base64,R0lGODlhAQACAAIAAP///
01NTSH5BAAAAAAALAAAAAABAAIAAAICDA
oA0w==)}
3 #nav-home a,#nav-services a,#nav-
about a,#nav-contact a
{background-image:url(data:image/
png;base64,iVBORw0KGgoAAAANSUhEUg
AAAIIYAAAALCAYAAAD1n1MVAACYDFEWHD
```

```
1 /* Data URI images */
2 #top{background-image:url
3 (data:image/
4 gif;base64,R0lGODlhAQACAAIAAAAP///
5 01NTSH5BAAAAAAAALAAAAAAABAAIAAAICDA
6 oA0w==)}
7 #nav-home a,#nav-services a,#nav-
8 about a,#nav-contact a
9 {background-image:url(data:image/
10 png;base64,iVBORw0KGgoAAAANSUhEUg
11 AAAIIVAAAALCAYAAAAD1n7M/AAAACYDFEWHD
```

What about @font-face

```
@font-face{
```

```
    font-family: Fertigo;
```

```
    src: url("Fertigo_PRO.otf") format("opentype"); }
```

```
h1 { font-family: Fertigo; color: #204A87;
```

```
    text-shadow: #AAA 2px 2px 0px}
```

- not every mobile device supports this
- Using an extra request to eg. google-fonts: this does not speed up

What is a manifest file, and do I need this?

```
1 CACHE MANIFEST  
2 #version 1  
3  
4 CACHE:
```

Can we va

- not always a good idea
- know your browser
- penalty on every subsequent page rendering

Can we validate/test our mobile website?

- google pagespeed insight - mobile
- ready.mobi
- mobileperf - firebug mobile
- validator.w3.org/mobile/
- weinre



Mythes

- store images in base64 offline storage for usage as inline images later
- Client Storage (localStorage and sessionStorage)
- Safari on iOS accepts up to 5 MB in offline storage

- validator.w3.org/m
- weinre

what's the **story** on these

Responsive Mythes

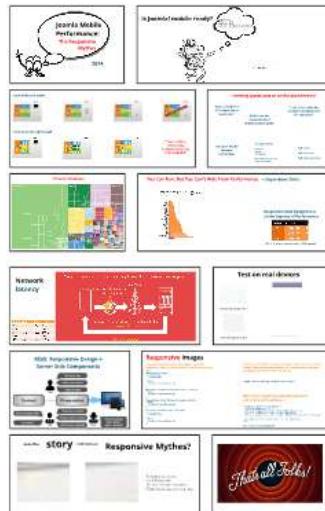


Responsive is a **very nice trick** to auto detect the browser size and scale. Does it **satisfy** on all the performance needs I showed before?

Consider a couple of things before you just pick a responsive theme.

It's **not** the one and only solution for the best optimized mobile website!

2014

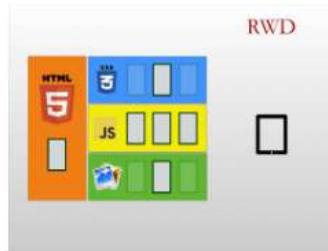
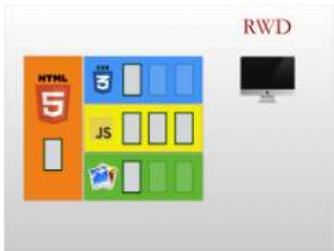


2015

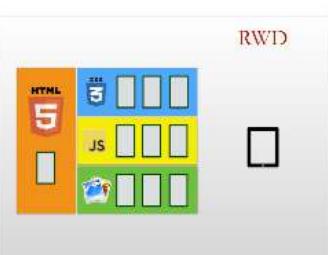
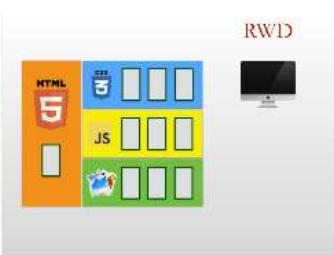


2014

How it should work:

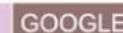
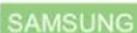


How it works right now!



"There's still no relationship between screen size and bandwidth"

Browser landscape



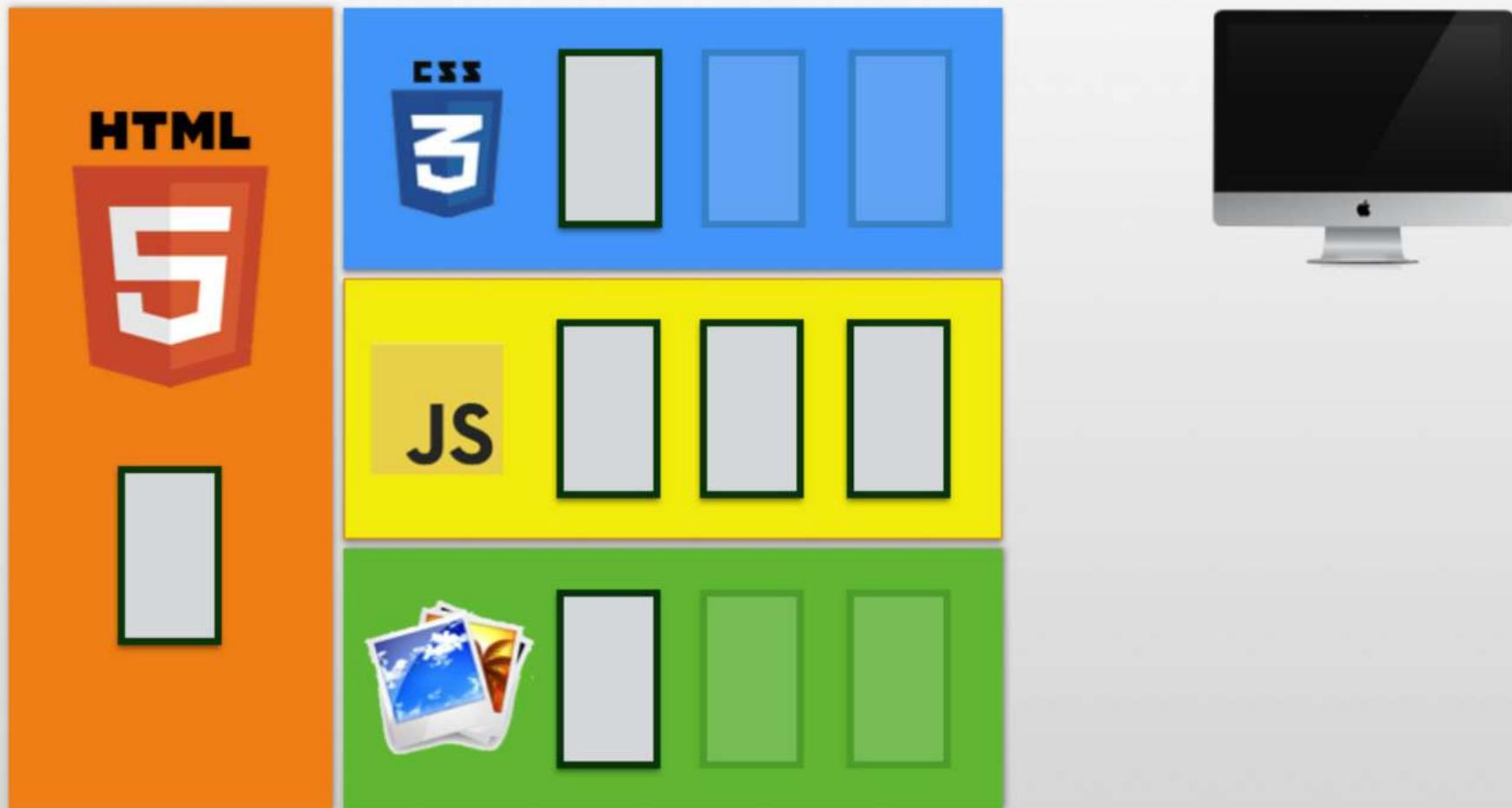
You Can Run, But You Can't Hide

Keynote 3-screen Web Performance
Super Bowl 2014 Advertisers

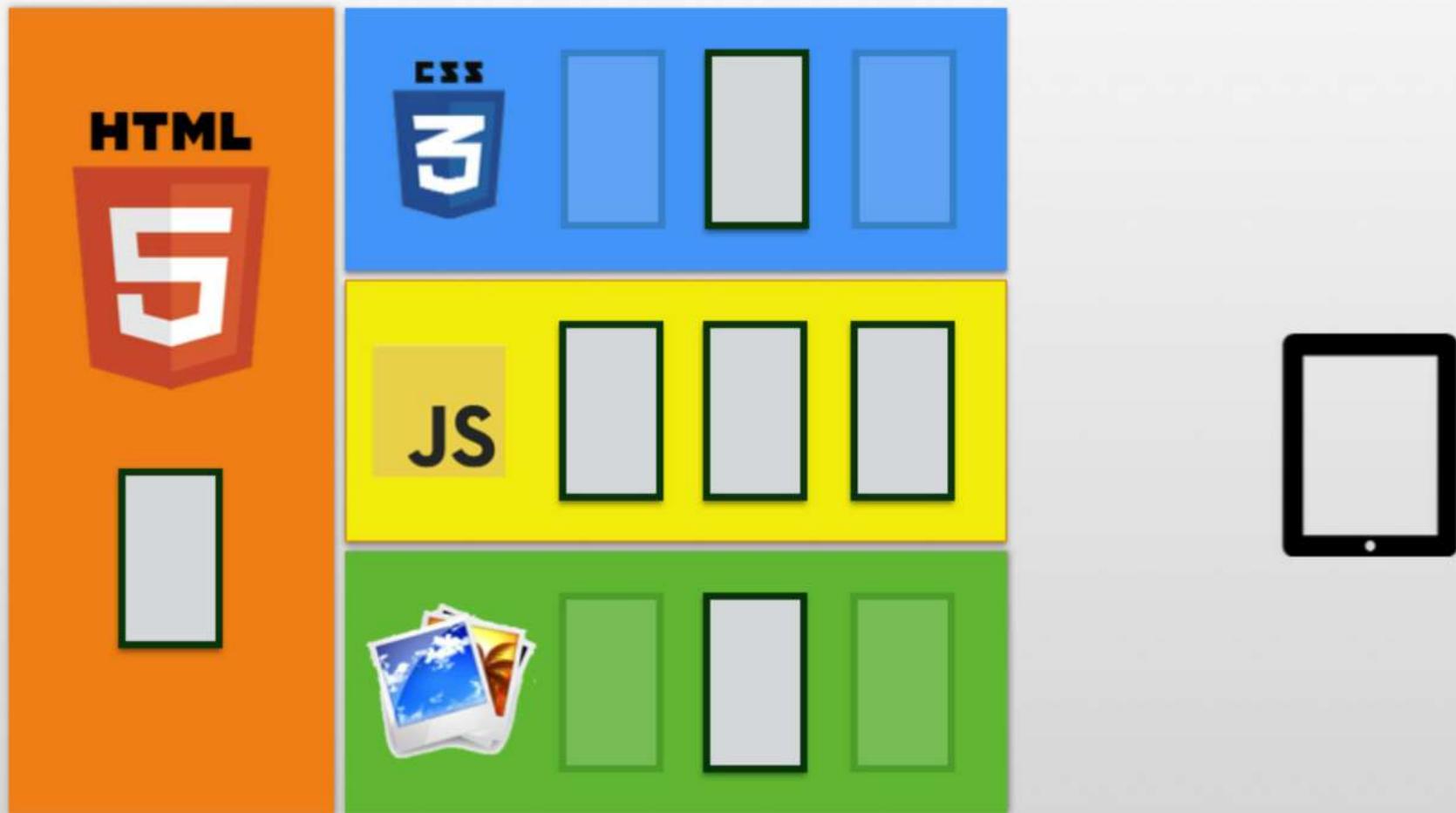
Measurement period: 12:00pm – 3pm PST, 2/1/2014
Screens: Desktop (Internet Explorer 9 browser), iPad 2 (high-speed connection), iPhone 5 (mobile connection)



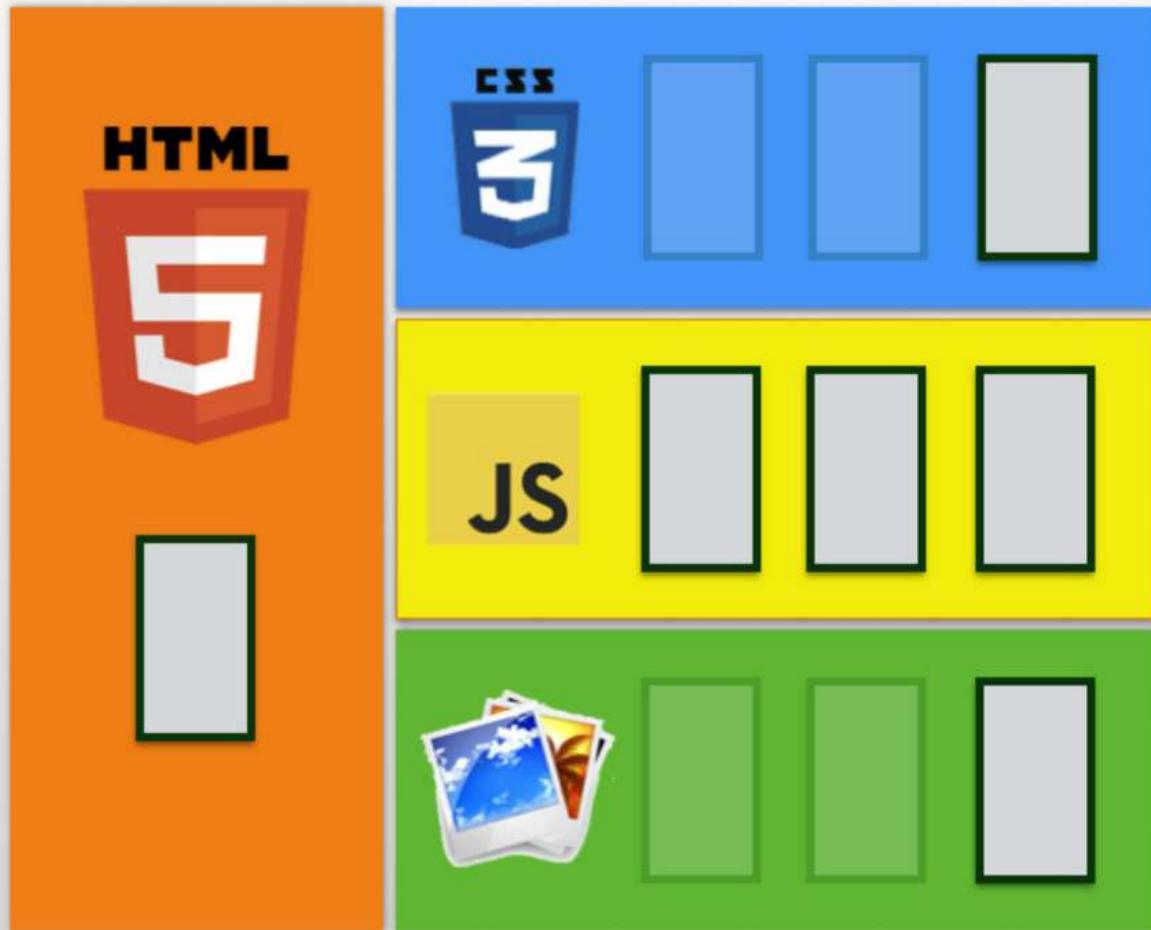
RWD



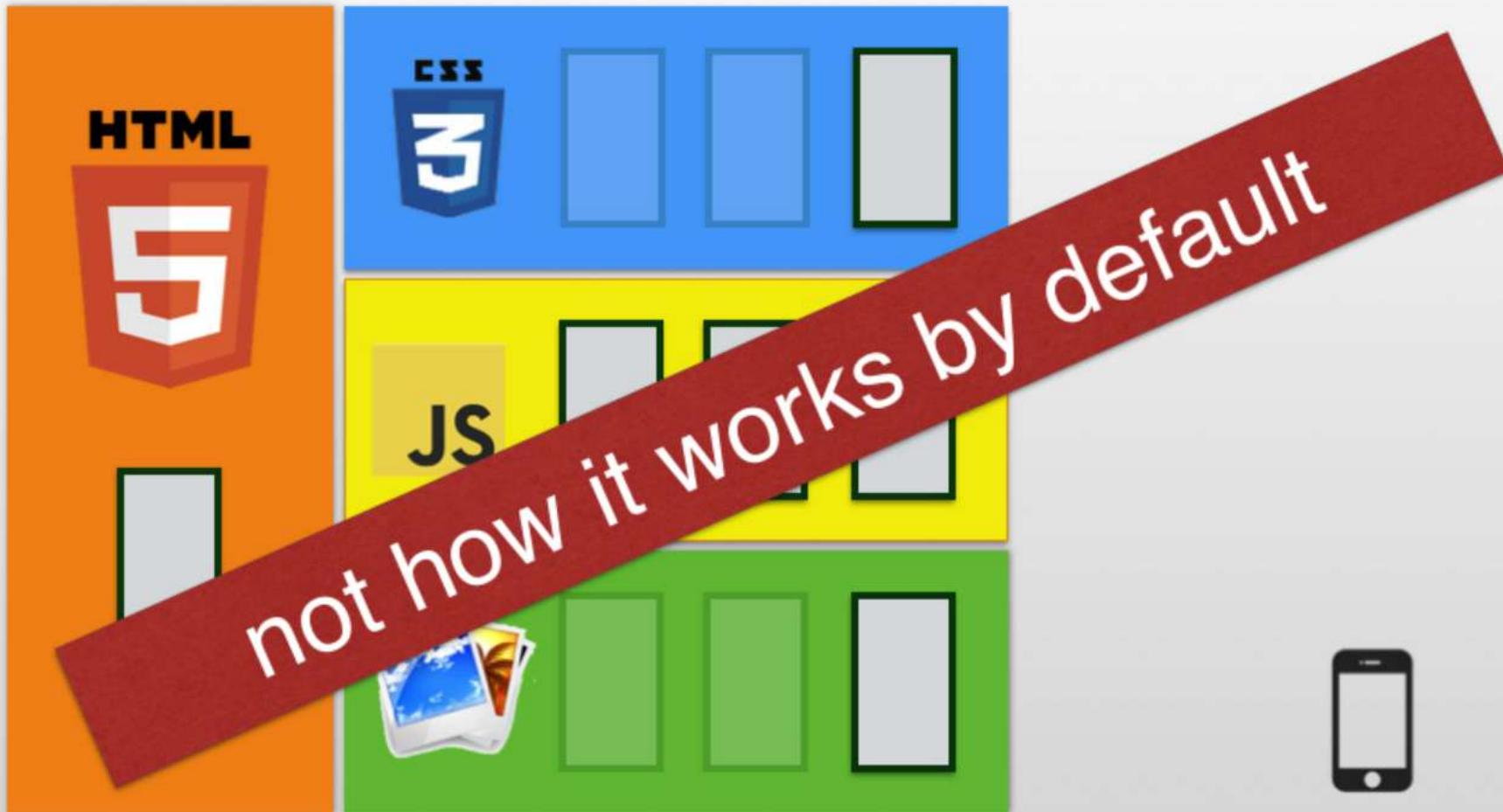
RWD



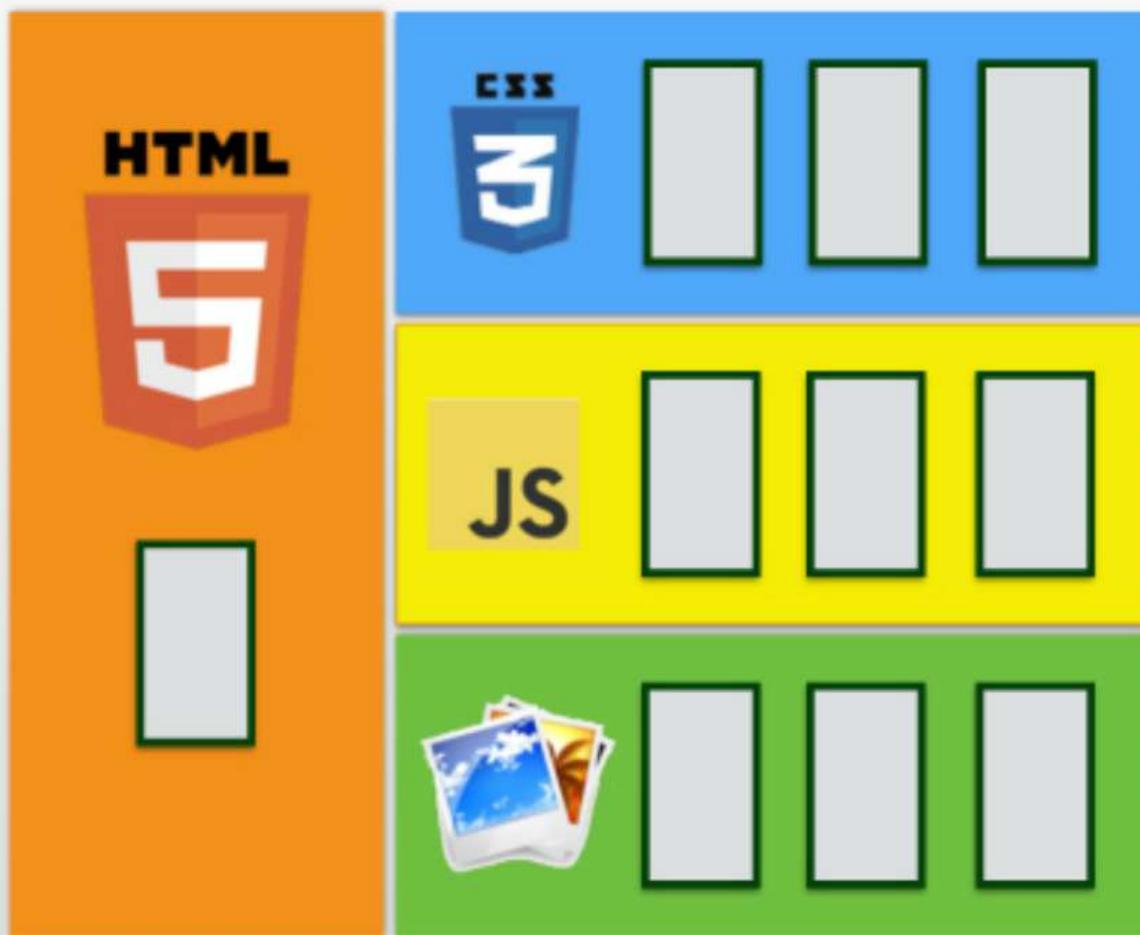
RWD



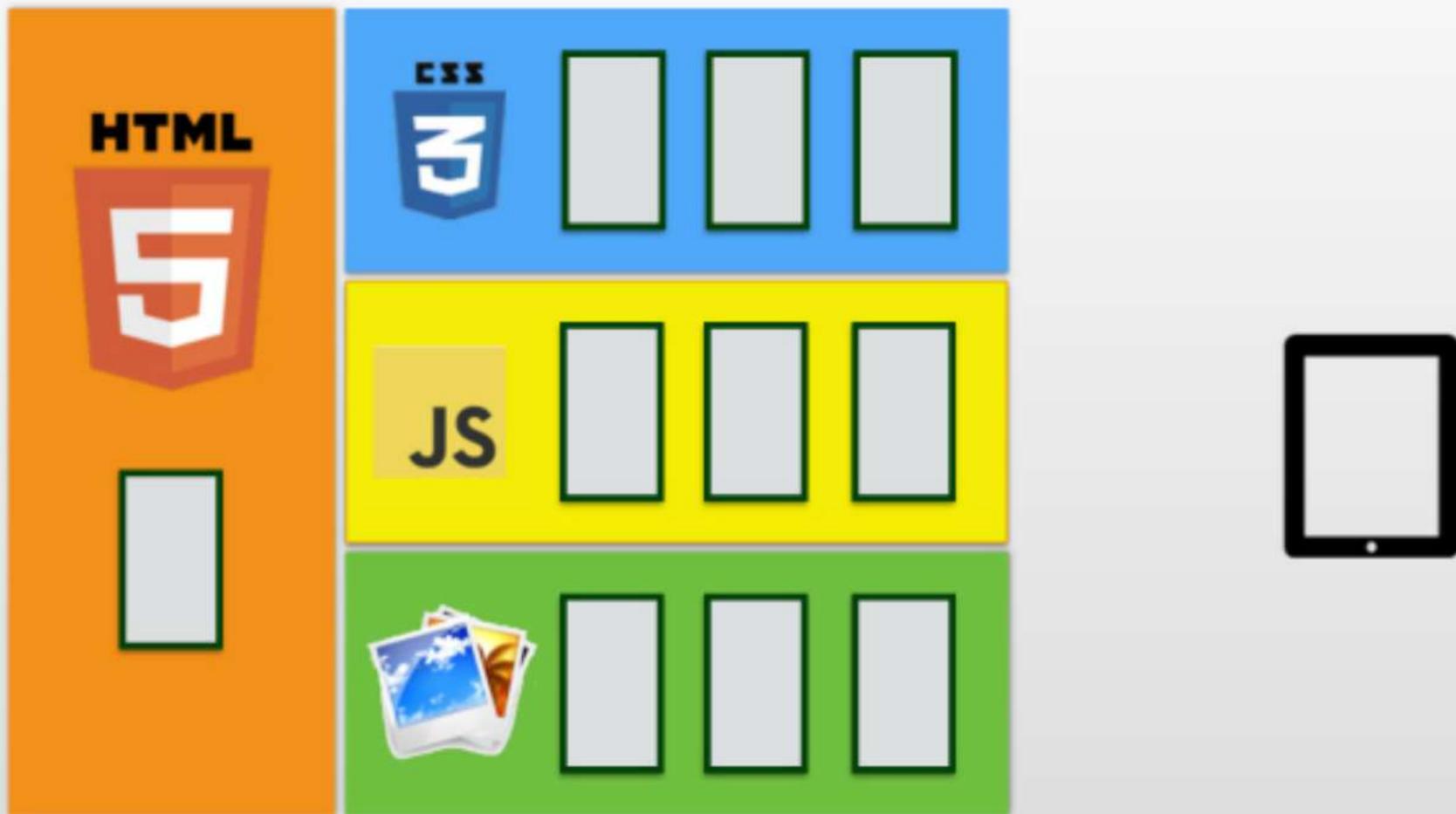
RWD



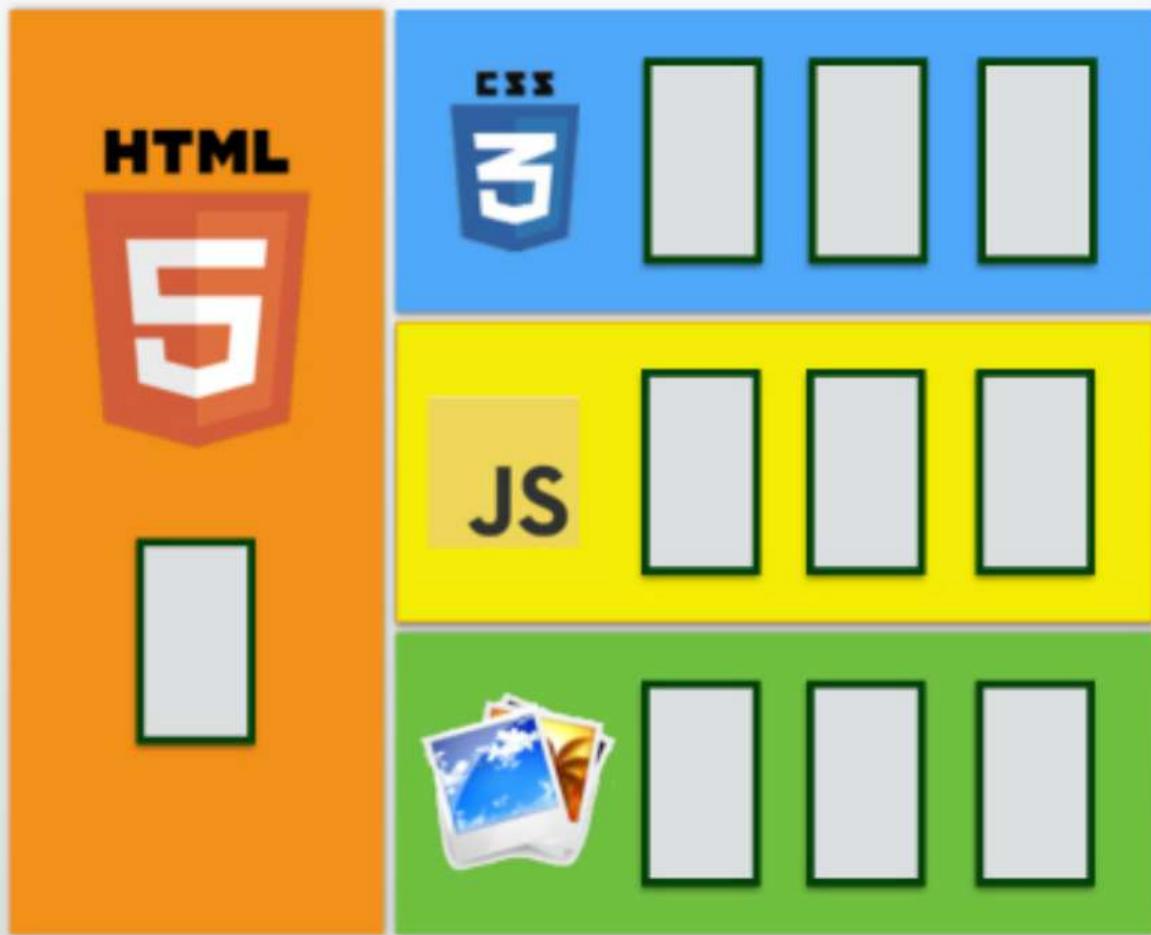
RWD



RWD

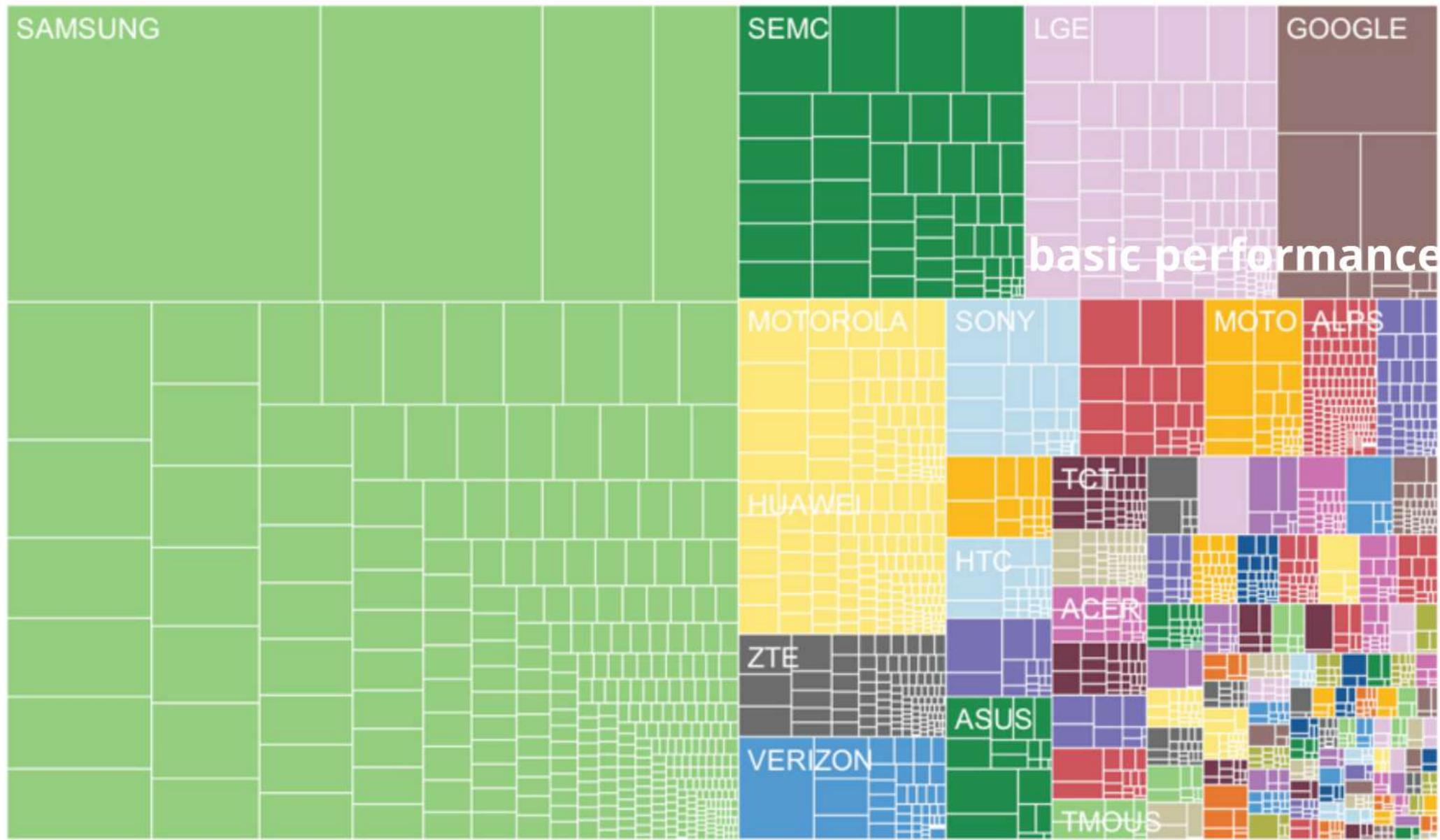


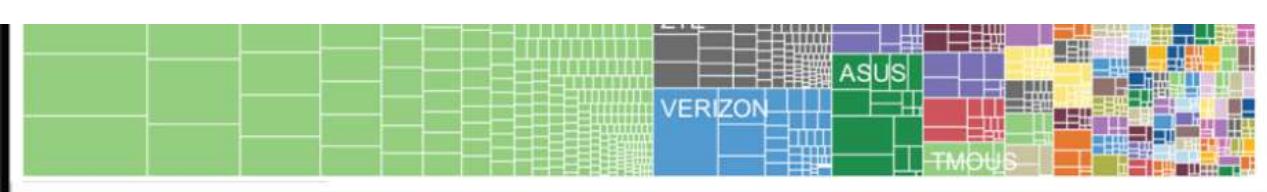
RWD



**"There's still no
relationship
between screen size
and bandwidth"**

Browser landscape

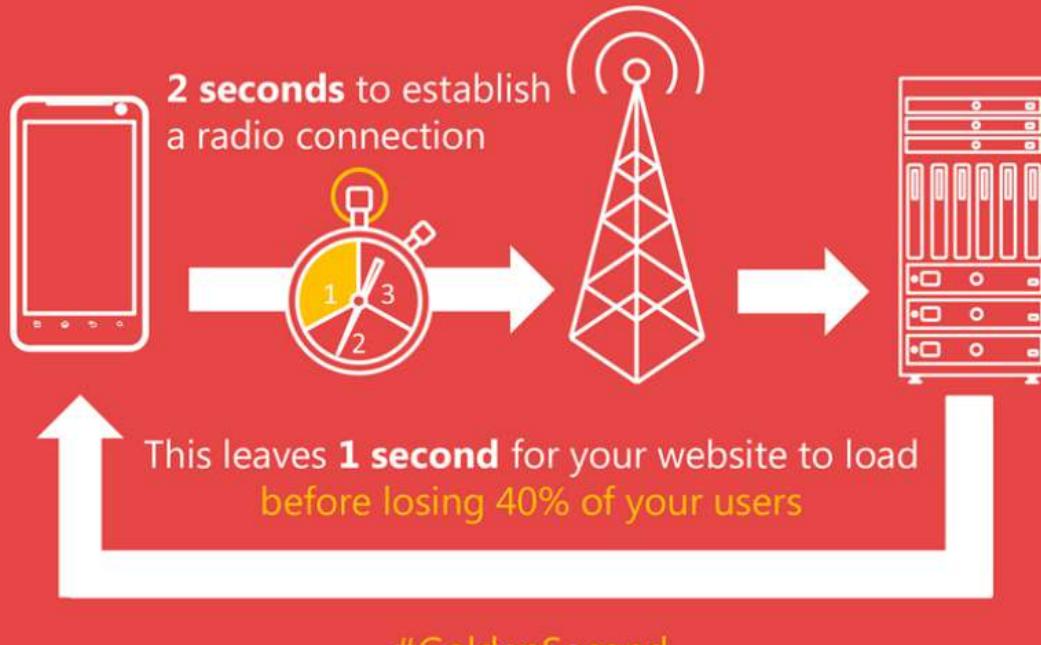




Network latency

Network	Generation	Expected Latency
LTE	4G	40 - 50ms
HSPA+	3.75G	100 - 200ms
HSPA	3.5G	150 - 200ms
EDGE	2.75G	600 - 750ms
GPRS	2.5G	600 - 750ms

Mobile devices have little batteries. They turn off their radios to conserve power.



RESS: Responsive Design + Server Side Components

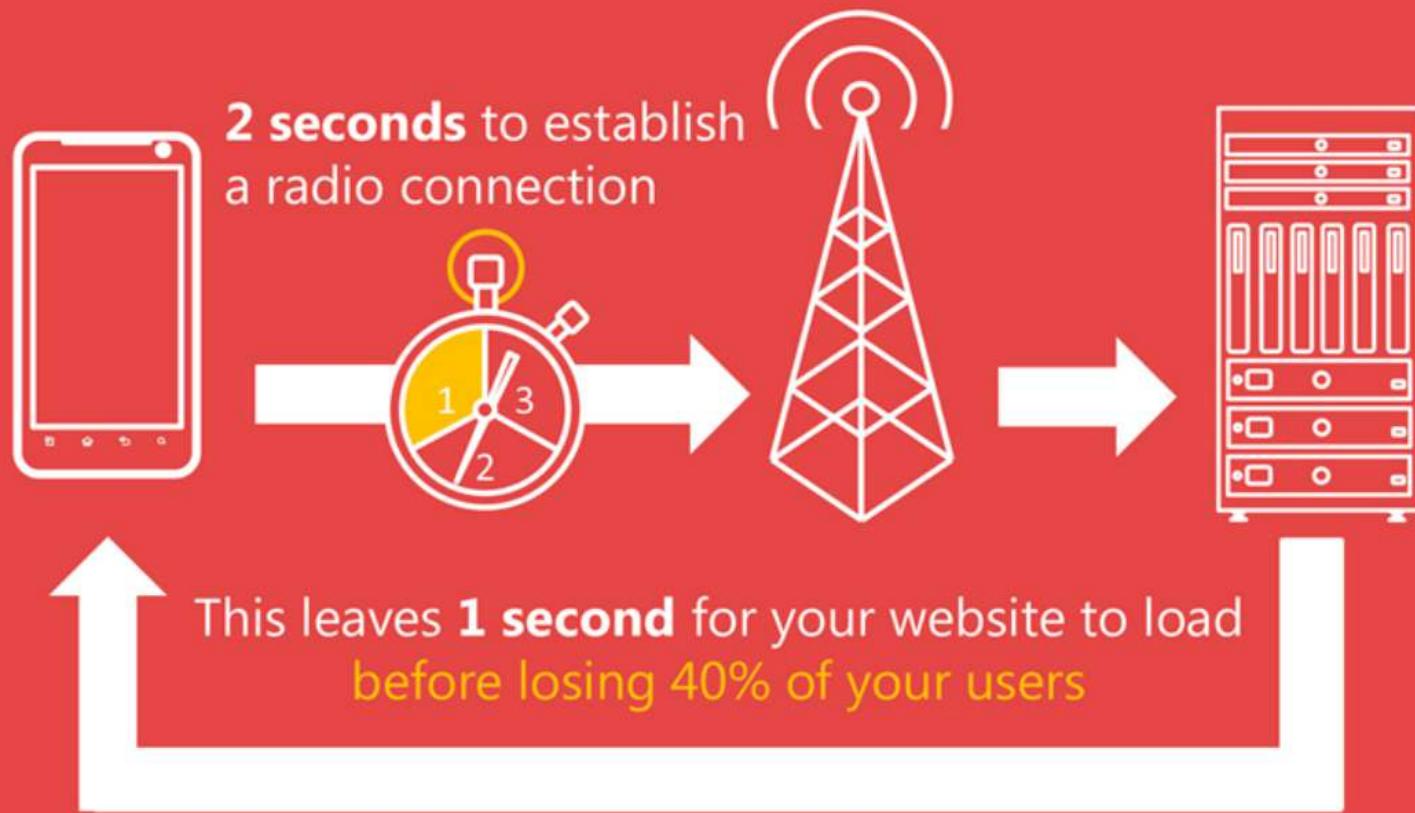
No black-box

Responsive Images

responsive-images technique that assigns a particular background image to a div according to media-queries

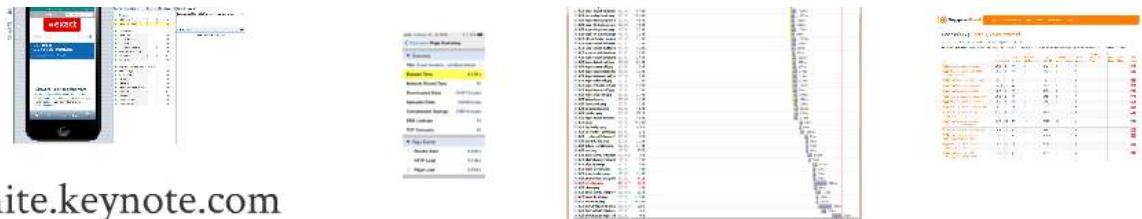
```
<style>
@media (max-width:390px) {
  #image-container {
    max-width: 109px;
```

Mobile devices have little batteries. They turn off their radios to conserve power.



#GoldenSecond

bsite to load
users



mite.keynote.com

Responsive Images

responsive-images technique that assigns a particular background image to a div according to media-query matches

```
<style>
@media (max-width:390px) {
  #image-container {
    max-width: 109px;
  }
  .image {
    background-image: url(image1.jpg);
  }
}
@media (max-width:390px) and (-webkit-min-device-pixel-ratio:1.5) {
  .image {
    background-image: url(image2.jpg);
  }
}
@media (max-width:390px) and (-webkit-min-device-pixel-ratio:2) {
  .image {
    background-image: url(image3.jpg);
  }
}
@media (min-width:391px) and (max-width:500px) {
  #image-container {
    max-width: 121px;
  }
  .image {
    background-image: url(image4.jpg);
  }
}
```

A different data-fullsrc responsive-images technique is used on the Boston Globe's responsive website. It's a combination of markup, JavaScript and a server-side redirect rule:

```

```

Microsoft's responsive website uses Scott Jehl's Picturefill technique:

```
<div data-picture data-alt="Alternate text here">
<div data-src="image1.png"></div>
<div data-src="image2.png" data-media="(min-device-pixel-ratio: 2.0)"></div>
<div data-src="image3.png" data-media="(max-width: 539px)"></div>
<div data-src="image4.png" data-media="(max-width: 539px) and (min-device-pixel-ratio: 2.0)"></div>

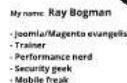
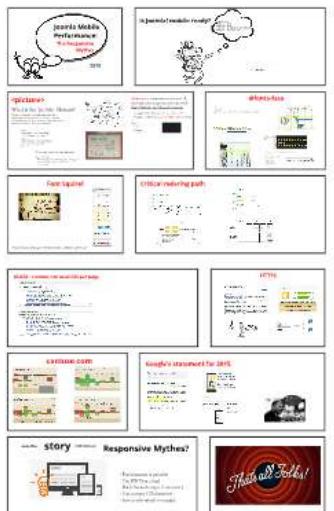
<noscript></noscript>
</div>
```

<https://github.com/scottjehl/picturefill>

ive Mythes?



2015



My name: Ray Bogman
- joomla/Magento evangelist
- Trainer
- Performance nerd
- Security geek
- Mobile freak

@SupportDisk.ru

<http://www.raybogman.com>

<http://www.raybogman.com>

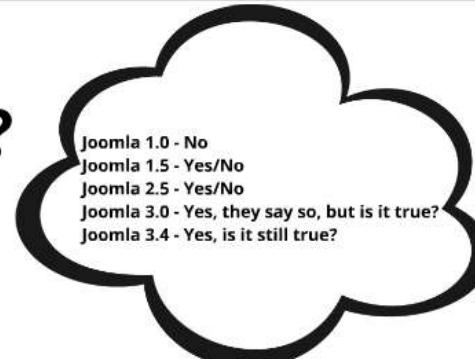


Joomla Mobile Performance: **The Responsive Mythes**



2015

Is Joomla! mobile ready?



Joomla 3.0

The following information below is from the [Joomla! 3 Introduction site](#).

Mobile Ready

Joomla! takes a big leap into the mobile space with a total overhaul of both its frontend design and administrator interface. With the adoption of the Bootstrap framework, Joomla! has become the first major CMS to be mobile ready in both the visitors and administrator areas. Now every website can have mobile friendly content for visitors and mobile friendly tools for administrators.

- Fully Responsive Site Template
- Fully Responsive Admin UI
- Fully Responsive Core Output

respimage is a responsive images polyfill,
it loads your images fast and responsibly
<https://github.com/aFarkas/respimage>

To support IE9 all source elements have to be
wrapped inside of an **audio** or **hidden video** element

```
@font-face {  
    font-family: 'Nobile';  
    font-style: normal;  
    font-weight: 400;  
    src: local('Nobile'), local('Nobile-Regular'), url(http://fonts.gstatic.com/s/mobile/v5edtA.woff) format('woff');  
}
```

@fonts-face



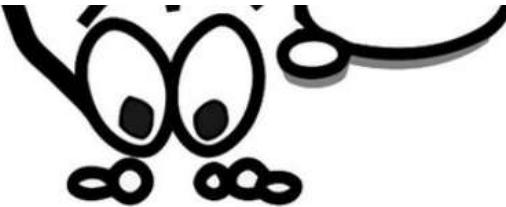
Joomla 1.0 - No

Joomla 1.5 - Yes/No

Joomla 2.5 - Yes/No

Joomla 3.0 - Yes, they say so, but is it true?

Joomla 3.4 - Yes, is it still true?



<picture>

What is the 'picture' Element?

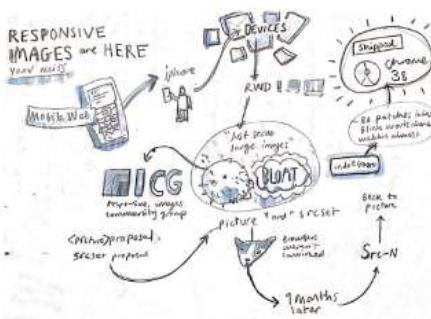
The **picture** element is a markup pattern that allows developers to declare multiple sources for an image. By using media queries, it gives developers control as to when and if those images are presented to the user.

```
<picture>
  <source media="(min-width: 40em)"
    srcset="big.jpg 1x, big-hd.jpg 2x">
  <source
    srcset="small.jpg 1x, small-hd.jpg 2x">
  
</picture>
```

What are the `srcset` and `sizes` attributes?

```

```



Respimage is a responsive images polyfill, that loads your images fast and responsibly
<https://github.com/aFarkas/respimage>

To support IE9 all source elements have to be wrapped inside of an `audio` or `hidden video` element



Font Squirrel



Critical redering p

```
library  
library  
# reads names - via import command - from package dplyr  
# defines new style function via replace_lettr  
names  
names  
# prints  
#> #> Hello <code>vlab</code> from <code>vctrs</code> student!
```

<picture>

What is the `picture` Element?

The **picture** element is a markup pattern that allows developers to declare multiple sources for an image. By using media queries, it gives developers control as to when and if those images are presented to the user.

```
<picture>
  <source media="(min-width: 40em)"
        srcset="big.jpg 1x, big-hd.jpg 2x">
  <source
```

those images are presented to the user.

```
<picture>  
  <source media="(min-width: 40em)"  
         srcset="big.jpg 1x, big-hd.jpg 2x">  
  <source  
         srcset="small.jpg 1x, small-hd.jpg 2x">  
    
</picture>
```

What are the `srcset`

```
g 1x, small-hd.jpg 2x">  

```

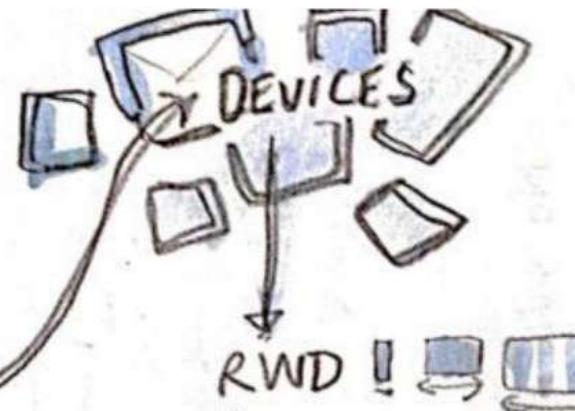
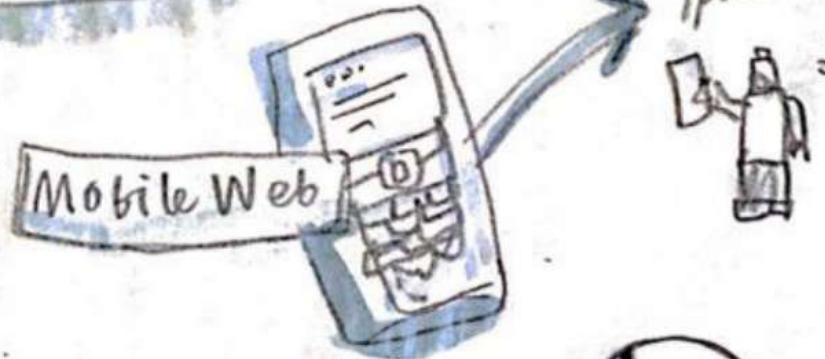
What are the `srcset` and `sizes` attributes?

```

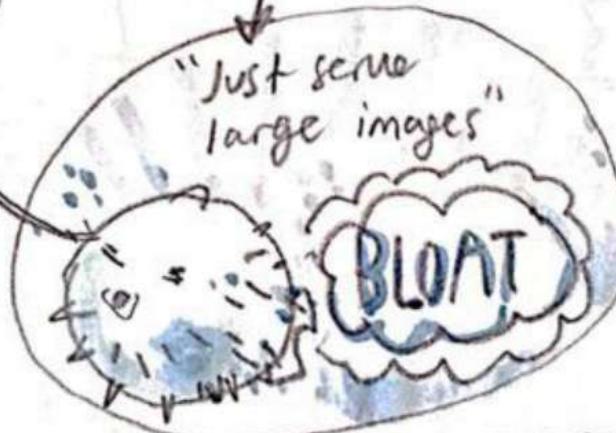
```

RESPONSIVE IMAGES are HERE

YOAV WEISS



responsive, images
community group



<picture> proposal
srcset proposal

picture + and + srcset



browsers
weren't
convinced.

9 months
later

BACK to
picture

Src-N



Respimage is a responsive images polyfill,
that loads your images fast and responsibly
<https://github.com/aFarkas/respimage>

To support IE9 all source elements have to be wrapped inside of an **audio** or **hidden video** element

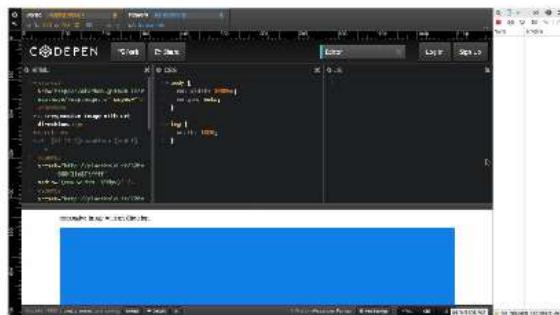
```
<picture>
  <!--[if IE 9]><audio><![endif]-->
  <source
    srcset="http://placeholder.it/300x600/11e87ff/ff"
    media="(max-width: 450px)" />
  <source
    srcset="http://placeholder.it/700x300"
    media="(max-width: 720px)" />
  <source
    srcset="http://placeholder.it/1400x600/c8117ff/ff"
```



Respimage is a responsive images polyfill,
that loads your images fast and responsibly
<https://github.com/aFarkas/respimage>

To support IE9 all source elements have to be wrapped inside of an **audio** or **hidden video** element

```
<picture>
  <!--[if IE 9]><audio><![endif]-->
  <source
    srcset="http://placehold.it/500x600/11e87f/f0"
    media="(max-width: 450px)" />
  <source
    srcset="http://placehold.it/700x300"
    media="(max-width: 720px)" />
  <source
    srcset="http://placehold.it/1400x600/e8117f/f0"
    media="(max-width: 1100px)" />
  <source
    srcset="http://placehold.it/1800x900/117fe8/f0" />
  <!--[if IE 9]></audio><![endif]-->
  
</picture>
```



Very simple usage of art direction

```
<picture>
  <!--[if IE 9]><audio><![endif]-->
  <source
    srcset="http://placeholder.it/500x600/11e87f/fff"
    media="(max-width: 450px)" />
  <source
    srcset="http://placeholder.it/700x300"
    media="(max-width: 720px)" />
  <source
    srcset="http://placeholder.it/1400x600/e8117f/fff"
    media="(max-width: 1100px)" />
  <source
    srcset="http://placeholder.it/1800x900/117fe8/fff" />
  <!--[if IE 9]></audio><![endif]-->
  
</picture>
```

Device <Select model> Network No throttling UA No override

679 x 736 Fit 0 100 200 300 400 500 600 700 800 900 1000 1100 ...

CODEPEN Fork Share Editor Log In Sign Up

HTML

```
1<script src="https://afarkas.github.io/respimage/respimage.js" async="">
2<p>responsive image with art direction.</p>
3<picture>
4<!--[if IE 9]><audio><![endif]-->
5<source
6srcset="http://placehold.it/500x600/11e87f/fff"
7media="(max-width: 450px)" />
8<source
9srcset="http://placehold.it/700x100/11e87f/fff"
10media="(max-width: 700px)" />
```

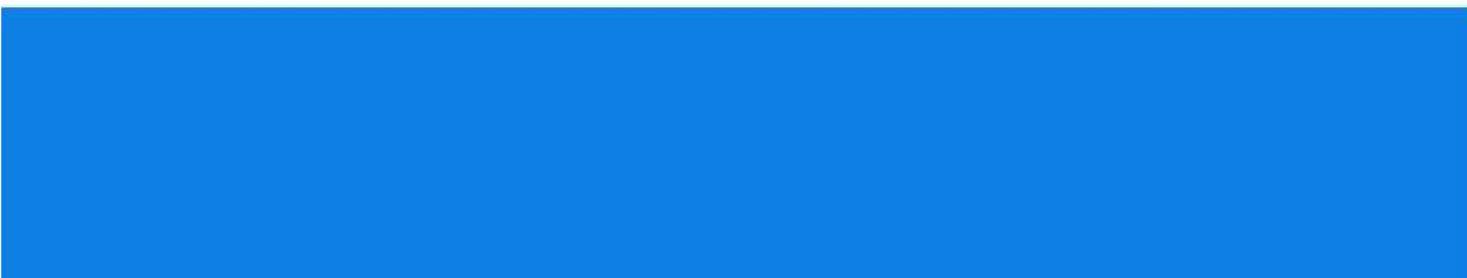
CSS

```
1body {
2  max-width: 1000px;
3  margin: auto;
4}
5
6img {
7  width: 100%;}
```

JS

```
1
```

responsive image with art direction.



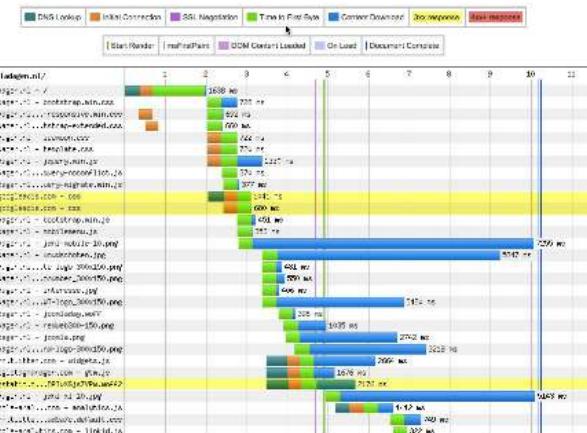
CodePen PRO is pretty sweet. Just saying. Embed Details Pen Settings HTML CSS JS 54.148.254.243 No requests captured. Reload ...

@fonts-face

```
@font-face {  
    font-family: 'Nobile';  
    font-style: normal;  
    font-weight: 400;  
    src: local('Nobile'), local('Nobile-Regular'), url(http://fonts.gstatic.com/s/nobile/v5c0A.woff) format('woff')  
}
```

```
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1">
<link href="https://fonts.googleapis.com/css?family=Nobile:400" rel="stylesheet" type="text/css">
<link href="https://fonts.googleapis.com/css?family=Nobile:700" rel="stylesheet" type="text/css">

<link rel="shortcut icon" href="/templates/jcomladagen/images/favicon.ico" type="image/x-icon">
<link rel="apple-touch-icon" href="/templates/jcomladagen/images/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="172x120" href="/templates/jcomladagen/images/apple-touch-icon-172x120.png">
<link rel="apple-touch-icon" sizes="114x114" href="/templates/jcomladagen/images/apple-touch-icon-114x114.png">
```



```
    webfonts
      datacss
        myfonts.css
          eot
          svg
          woff
        todo
274 |
275 @font-face {
276   font-family: 'GreatEscapeBk-Regular';
277   src: url("data:font/opentype;base64,AEAAAAAOAIAAAwB");
278 }
279 @font-face {
280   font-family: 'GreatEscapeRg-Regular';
281   src: url("data:font/opentype;base64,AEAAAAAOAIAAAwB");
282 }
283
```

The deferred font loading logic for Smashing Magazine.

```

<script type="text/javascript">
  function () {
    // use strict!
    // since cached, the css file is stored on the client forever
  unless
    // The URL below is changed. Any change will invalidate the
  cache.
    var cur = href = '/index_file/web-fonts.css';
    // a simple event handler wrapper
    function on(e, cb) {
      if (el.addEventListener) {
        el.addEventListener(e, cb, false);
      } else if (el.attachEvent) {
        el.attachEvent('on'+ e, cb);
      }
    }
  }
</script>

```

@fo

```
@font-face {  
    font-family: 'Nobile';  
    font-style: normal;  
    font-weight: 400;  
    src: local('Nobile'), local('Nobile-Regular'), url(http://fonts.gstatic.com/s/nobile/v5c0A.woff) format('woff');  
}
```

}

```

<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1">

<link href='//fonts.googleapis.com/css?family=Nobile:400' rel='stylesheet' type='text/css'>
<link href='//fonts.googleapis.com/css?family=Nobile:700' rel='stylesheet' type='text/css'>

<link rel="shortcut icon" href="/templates/joomladagen/images/favicon.ico">
<link rel="apple-touch-icon" href="/templates/joomladagen/images/apple-touch-icon.png">
<link rel="apple-touch-icon" sizes="72x72" href="/templates/joomladagen/images/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="114x114" href="/templates/joomladagen/images/apple-touch-icon-114x114.png">

```

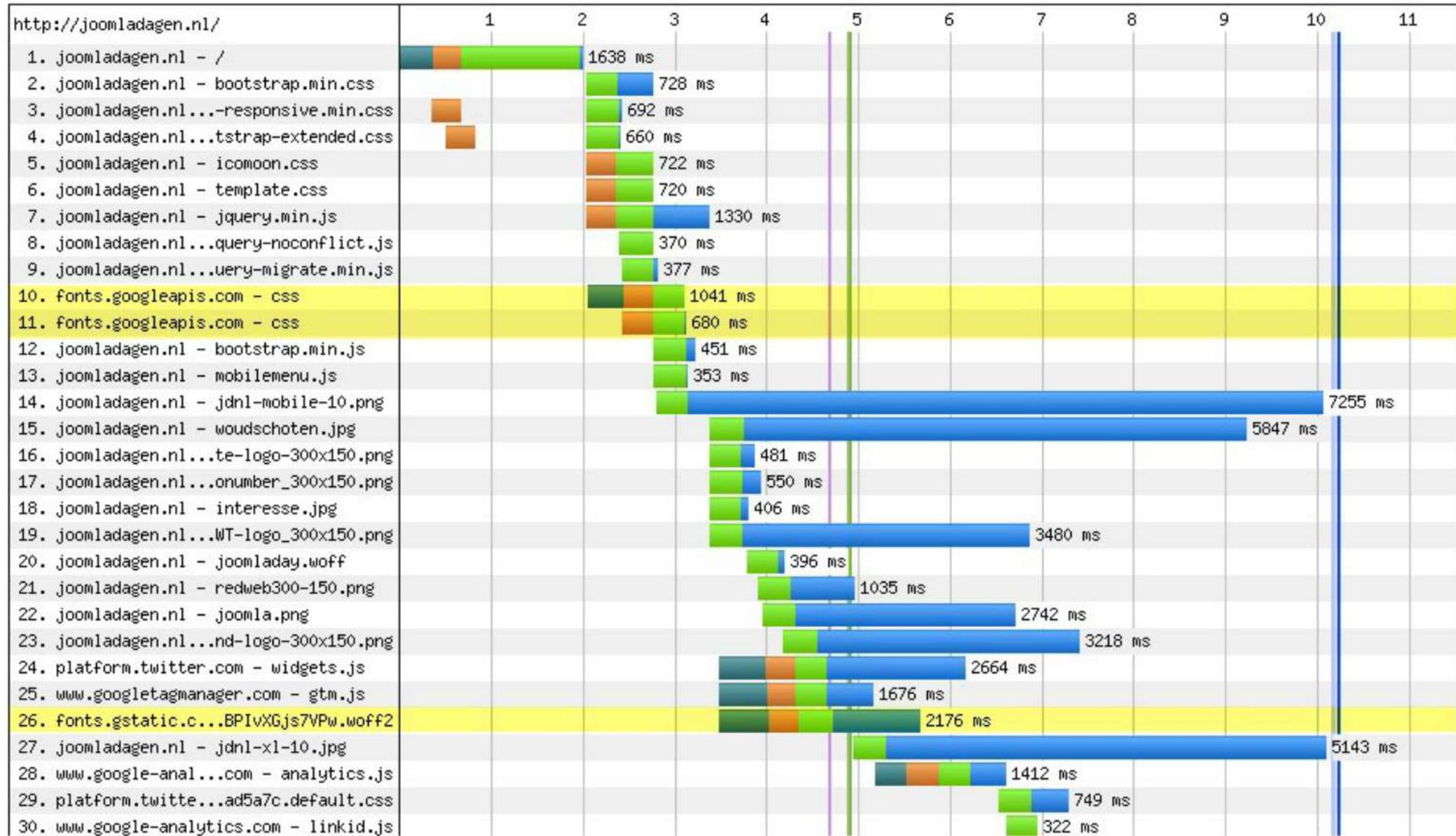
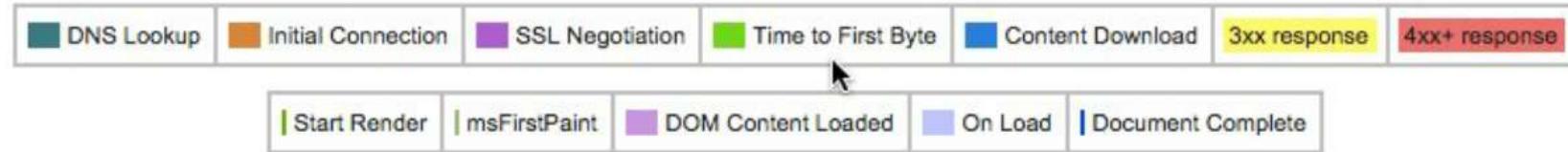
#	Resource	Content Type	Request Start	DNS Lookup	Initial Connection	SSL Negotiation	Time to First Byte	Content Download	Bytes Downloaded	Error/Status Code	IP
1	http://joomladagen.nl/	text/html	0.654 s	347 ms	306 ms	-	1304 ms	28 ms	6.8 KB	200	82.94.181.247
2	http://joomladagen.nl/_ss/bootstrap.min.css	text/css	2.03 s	-	-	-	329 ms	309 ms	17.1 KB	200	82.94.181.247
3	http://joomladagen.nl/_p-responsive.min.css	text/css	2.032 s	-	307 ms	-	350 ms	35 ms	4.2 KB	200	82.94.181.247
4	http://joomladagen.nl/_otstrap-extended.css	text/css	2.033 s	-	306 ms	-	334 ms	20 ms	2.5 KB	200	82.94.181.247
5	http://joomladagen.nl/_ui/css/icomoon.css	text/css	2.342 s	-	307 ms	-	415 ms	-	2.6 KB	200	82.94.181.247

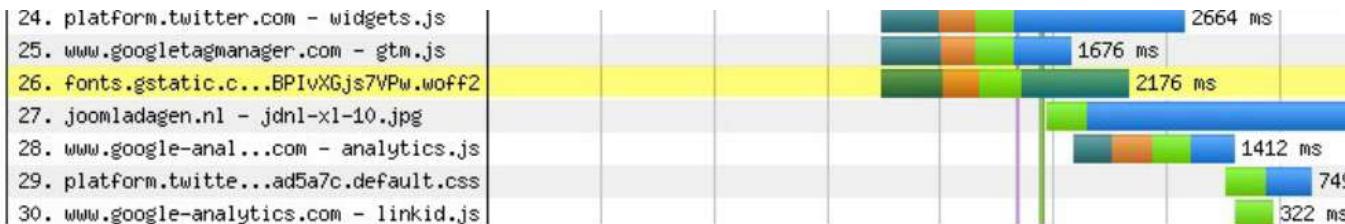
#	Resource	Content Type	Request Start	DNS Lookup	Initial Connection	SSL Negotiation	Time to First Byte	Content Download	Bytes Downloaded	Error/Status Code	IP
1	http://joomladagen.nl/	text/html	0.654 s	347 ms	306 ms	-	1304 ms	28 ms	6.8 KB	200	82.94.181.247
2	http://joomladagen.nl/_ss/bootstrap.min.css	text/css	2.03 s	-	-	-	329 ms	399 ms	17.1 KB	200	82.94.181.247
3	http://joomladagen.nl/_p-responsive.min.css	text/css	2.032 s	-	307 ms	-	350 ms	35 ms	4.2 KB	200	82.94.181.247
4	http://joomladagen.nl/_otstrap-extended.css	text/css	2.033 s	-	306 ms	-	334 ms	20 ms	2.5 KB	200	82.94.181.247
5	http://joomladagen.nl/_ui/css/icomoon.css	text/css	2.342 s	-	307 ms	-	415 ms	-	2.6 KB	200	82.94.181.247
6	http://joomladagen.nl/_template.css?v=2004	text/css	2.344 s	-	307 ms	-	413 ms	-	3.9 KB	200	82.94.181.247
7	http://joomladagen.nl/_ui/s/jquery.min.js	application/javascript	2.349 s	-	310 ms	-	409 ms	611 ms	32.9 KB	200	82.94.181.247
8	http://joomladagen.nl/_jquery-noconflict.js	application/javascript	2.388 s	-	-	-	370 ms	-	0.4 KB	200	82.94.181.247
9	http://joomladagen.nl/_query-migrate.min.js	application/javascript	2.418 s	-	-	-	340 ms	37 ms	3.4 KB	200	82.94.181.247
10	http://fonts.googleapis.com/css?family=Nobile:400	text/css	2.759 s	373 ms	339 ms	-	327 ms	2 ms	0.8 KB	200	74.125.136.95
11	http://fonts.googleapis.com/css?family=Nobile:700	text/css	2.759 s	-	339 ms	-	334 ms	7 ms	0.8 KB	200	74.125.136.95
12	http://joomladagen.nl/_s/bootstrap.min.js	application/javascript	2.76 s	-	-	-	339 ms	112 ms	7.9 KB	200	82.94.181.247
13	http://joomladagen.nl/_script/mobilemenu.js	application/javascript	2.772 s	-	-	-	336 ms	17 ms	1.7 KB	200	82.94.181.247
14	http://joomladagen.nl/_s/dnl-mobile-10.png	image/png	2.796 s	-	-	-	336 ms	6919 ms	309.0 KB	200	82.94.181.247
15	http://joomladagen.nl/_atle/woudschoten.jpg	image/jpeg	3.376 s	-	-	-	358 ms	5489 ms	221.6 KB	200	82.94.181.247
16	http://joomladagen.nl/_yte-logo-300x150.png	image/png	3.377 s	-	-	-	334 ms	147 ms	6.6 KB	200	82.94.181.247
17	http://joomladagen.nl/_nonumber_300x150.png	image/png	3.377 s	-	-	-	349 ms	201 ms	9.8 KB	200	82.94.181.247
18	http://joomladagen.nl/_nsoren/interesse.jpg	image/jpeg	3.378 s	-	-	-	326 ms	80 ms	5.1 KB	200	82.94.181.247
19	http://joomladagen.nl/_PWT-logo_300x150.png	image/png	3.378 s	-	-	-	341 ms	3139 ms	91.3 KB	200	82.94.181.247
20	http://joomladagen.nl/_fonts/joomladay.woff	application/x-font-woff	3.785 s	-	-	-	334 ms	62 ms	4.5 KB	200	82.94.181.247
21	http://joomladagen.nl/_en/redweb300-150.png	image/png	3.904 s	-	-	-	337 ms	698 ms	22.7 KB	200	82.94.181.247
22	http://joomladagen.nl/_sponsoren/joomla.png	image/png	3.958 s	-	-	-	335 ms	2407 ms	65.2 KB	200	82.94.181.247
23	http://joomladagen.nl/_und-logo-300x150.png	image/png	4.184 s	-	-	-	357 ms	2861 ms	83.3 KB	200	82.94.181.247
24	http://platform.twitter.com/widgets.js	application/javascript	4.294 s	501 ms	310 ms	-	347 ms	1506 ms	37.3 KB	200	199.96.57.6
25	http://www.googletagmanager.com/gtm.js?id=GTM-NQZ8SP	text/javascript	4.302 s	505 ms	316 ms	-	346 ms	509 ms	12.3 KB	200	74.125.136.97
26	http://fonts.gstatic.com/Ubuntu/Ubuntu-Medium.woff2	font/woff2	4.332 s	531 ms	317 ms	-	369 ms	959 ms	22.5 KB	200	74.125.136.94
27	http://joomladagen.nl/_images/dnl-xl-10.jpg	image/jpeg	4.944 s	-	-	-	348 ms	4795 ms	224.5 KB	200	82.94.181.247
28	http://www.google-analytics.com/analytics.js	text/javascript	5.86 s	322 ms	353 ms	-	340 ms	397 ms	11.2 KB	200	74.125.136.101
29	http://platform.twitter.com/default.css	text/css	6.538 s	-	-	-	328 ms	421 ms	17.0 KB	200	199.96.57.6
30	http://www.google-analytics.com/plugins/ua/linkid.js	text/javascript	6.618 s	-	-	-	322 ms	-	1.2 KB	200	74.125.136.101
31	http://joomladagen.nl/_en/images/logo15.png	-	6.733 s	-	-	-	72 ms	-	-	-2	82.94.181.247
32	http://joomladagen.nl/_en/images/logo15.png	-	6.859 s	-	-	-	7 ms	-	-	-2	82.94.181.247
33	http://joomladagen.nl/_adagen/images/tl.png	image/png	7.118 s	-	310 ms	-	340 ms	-	0.5 KB	200	82.94.181.247
34	http://joomladagen.nl/_en/images/logo15.png	image/png	7.177 s	-	308 ms	-	341 ms	136 ms	7.3 KB	200	82.94.181.247

			Start	Lookup	Connection	Negotiation	Byte	Download	Downloaded	Code		
1	http://joomladagen.nl/		text/html	0.654 s	347 ms	306 ms	-	1304 ms	28 ms	6.8 KB	200	82.94.181.247
2	http://joomladagen.nl/.ss/bootstrap.min.css		text/css	2.03 s	-	-	-	329 ms	329 ms	17.1 KB	200	82.94.181.247
3	http://joomladagen.nl/.p-responsive.min.css		text/css	2.032 s	-	307 ms	-	350 ms	35 ms	4.2 KB	200	82.94.181.247
4	http://joomladagen.nl/.otstrap-extended.css		text/css	2.033 s	-	306 ms	-	334 ms	20 ms	2.5 KB	200	82.94.181.247
5	http://joomladagen.nl/.ui/css/icomoon.css		text/css	2.342 s	-	307 ms	-	415 ms	-	2.6 KB	200	82.94.181.247
6	http://joomladagen.nl/.template.css?v=2004		text/css	2.344 s	-	307 ms	-	413 ms	-	3.9 KB	200	82.94.181.247
7	http://joomladagen.nl/.ui/s/jquery.min.js		application/javascript	2.349 s	-	310 ms	-	409 ms	611 ms	32.9 KB	200	82.94.181.247
8	http://joomladagen.nl/.jquery-noconflict.js		application/javascript	2.388 s	-	-	-	370 ms	-	0.4 KB	200	82.94.181.247
9	http://joomladagen.nl/.query-migrate.min.js		application/javascript	2.418 s	-	-	-	340 ms	37 ms	3.4 KB	200	82.94.181.247
10	http://fonts.googleapis.com/css?family=Nobile:400		text/css	2.759 s	373 ms	339 ms	-	327 ms	2 ms	0.8 KB	200	74.125.136.95
11	http://fonts.googleapis.com/css?family=Nobile:700		text/css	2.759 s	-	339 ms	-	334 ms	7 ms	0.8 KB	200	74.125.136.95
12	http://joomladagen.nl/.s/bootstrap.min.js		application/javascript	2.76 s	-	-	-	339 ms	112 ms	7.9 KB	200	82.94.181.247
13	http://joomladagen.nl/.script/mobilemenu.js		application/javascript	2.772 s	-	-	-	336 ms	17 ms	1.7 KB	200	82.94.181.247
14	http://joomladagen.nl/.s/dnl-mobile-10.png		image/png	2.796 s	-	-	-	336 ms	6919 ms	309.0 KB	200	82.94.181.247
15	http://joomladagen.nl/.atie/woudschoten.jpg		image/jpeg	3.376 s	-	-	-	358 ms	5489 ms	221.6 KB	200	82.94.181.247
16	http://joomladagen.nl/.yle-logo-300x150.png		image/png	3.377 s	-	-	-	334 ms	147 ms	6.6 KB	200	82.94.181.247
17	http://joomladagen.nl/.nonumber_300x150.png		image/png	3.377 s	-	-	-	349 ms	201 ms	9.8 KB	200	82.94.181.247
18	http://joomladagen.nl/.nsoren/interesse.jpg		image/jpeg	3.378 s	-	-	-	326 ms	80 ms	5.1 KB	200	82.94.181.247
19	http://joomladagen.nl/.PWT-logo_300x150.png		image/png	3.378 s	-	-	-	341 ms	3139 ms	91.3 KB	200	82.94.181.247
20	http://joomladagen.nl/.fonts/joomladay.woff		application/x-font-woff	3.785 s	-	-	-	334 ms	62 ms	4.5 KB	200	82.94.181.247
21	http://joomladagen.nl/.en/redweb300-150.png		image/png	3.904 s	-	-	-	337 ms	698 ms	22.7 KB	200	82.94.181.247
22	http://joomladagen.nl/.sponsoren/joomla.png		image/png	3.958 s	-	-	-	335 ms	2407 ms	65.2 KB	200	82.94.181.247
23	http://joomladagen.nl/.und-logo-300x150.png		image/png	4.184 s	-	-	-	357 ms	2861 ms	83.3 KB	200	82.94.181.247
24	http://platform.twitter.com/widgets.js		application/javascript	4.294 s	501 ms	310 ms	-	347 ms	1506 ms	37.3 KB	200	199.96.57.6
25	http://www.googletagmanager.com/gtm.js?id=GTM-NQZ8SP		text/javascript	4.302 s	505 ms	316 ms	-	346 ms	509 ms	12.3 KB	200	74.125.136.97
26	http://fonts.gstatic.com/Ubuntu-Medium-400italic.woff2		font/woff2	4.332 s	531 ms	317 ms	-	369 ms	959 ms	22.5 KB	200	74.125.136.94
27	http://joomladagen.nl/.images/dnl-xl-10.jpg		image/jpeg	4.944 s	-	-	-	348 ms	4795 ms	224.5 KB	200	82.94.181.247
28	http://www.google-analytics.com/analytics.js		text/javascript	5.86 s	322 ms	353 ms	-	340 ms	397 ms	11.2 KB	200	74.125.136.101
29	http://platform.twitter.com/default.css		text/css	6.538 s	-	-	-	328 ms	421 ms	17.0 KB	200	199.96.57.6
30	http://www.google-analytics.com/plugins/ua/linkid.js		text/javascript	6.618 s	-	-	-	322 ms	-	1.2 KB	200	74.125.136.101
31	http://joomladagen.nl/.en/images/logo15.png		-	6.733 s	-	-	-	72 ms	-	-	-2	82.94.181.247
32	http://joomladagen.nl/.en/images/logo15.png		-	6.859 s	-	-	-	7 ms	-	-	-2	82.94.181.247

2.342 s	-	307 ms	-	415 ms	-	-	2.6 KB
2.344 s	-	307 ms	-	413 ms	-	-	3.9 KB
2.349 s	-	310 ms	-	409 ms	611 ms	-	32.9 KB
2.388 s	-	-	-	370 ms	-	-	0.4 KB
2.418 s	-	-	-	340 ms	37 ms	-	3.4 KB
2.759 s	373 ms	339 ms	-	327 ms	2 ms	-	0.8 KB
2.759 s	-	339 ms	-	334 ms	7 ms	-	0.8 KB
2.76 s	-	-	-	339 ms	112 ms	-	7.9 KB
2.772 s	-	-	-	336 ms	17 ms	-	1.7 KB
2.796 s	-	-	-	336 ms	6919 ms	-	309.0 KB
3.376 s	-	-	-	358 ms	5489 ms	-	221.6 KB
3.377 s	-	-	-	334 ms	147 ms	-	6.6 KB
3.377 s	-	-	-	349 ms	201 ms	-	9.8 KB

3.377 s	-	-	-	-	349 ms	201 ms	9.8 KB
3.378 s	-	-	-	-	326 ms	80 ms	5.1 KB
3.378 s	-	-	-	-	341 ms	3139 ms	91.3 KB
3.785 s	-	-	-	-	334 ms	62 ms	4.5 KB
3.904 s	-	-	-	-	337 ms	698 ms	22.7 KB
3.958 s	-	-	-	-	335 ms	2407 ms	65.2 KB
4.184 s	-	-	-	-	357 ms	2861 ms	83.3 KB
4.294 s	501 ms	310 ms	-	-	347 ms	1506 ms	37.3 KB
4.302 s	505 ms	316 ms	-	-	346 ms	509 ms	12.3 KB
4.332 s	531 ms	317 ms	-	-	369 ms	959 ms	22.5 KB
4.944 s	-	-	-	-	348 ms	4795 ms	224.5 KB
5.86 s	322 ms	353 ms	-	-	340 ms	397 ms	11.2 KB
6.538 s	-	-	-	-	328 ms	421 ms	17.0 KB





```
274 |
275 @font-face {
276   font-family: 'GreatEscapeBk-Regular';
277   src: url("data:font/opentype;base64,AAEAAAAA0AIAAAawBgT");
278 }
279 @font-face {
280   font-family: 'GreatEscapeRg-Regular';
281   src: url("data:font/opentype;base64,AAEAAAAA0AIAAAawBgT");
282 }
283
```

The deferred font loading logic for Smashing Magazine.

```
<script type="text/javascript">
(function () {
  "use strict";
  // once cached, the css file is stored on the client forever
unless
```



```
277 src: url("data:font/opentype;base64,AAEAAAAAOAIAAAwbgt");
278 }
279 @font-face {
280   font-family: 'GreatEscapeRg-Regular';
281   src: url("data:font/opentype;base64,AAEAAAAAOAIAAAwbgt");
282 }
283
```

The deferred font loading logic for Smashing Magazine.

```
<script type="text/javascript">
(function () {
  "use strict";
  // once cached, the css file is stored on the client forever
unless
  // the URL below is changed. Any change will invalidate the
cache
  var css_href = './index_files/web-fonts.css';
  // a simple event handler wrapper
  function on(el, ev, callback) {
    if (el.addEventListener) {
      el.addEventListener(ev, callback, false);
    } else if (el.attachEvent) {
      el.attachEvent("on" + ev, callback);
    }
  }
}
```

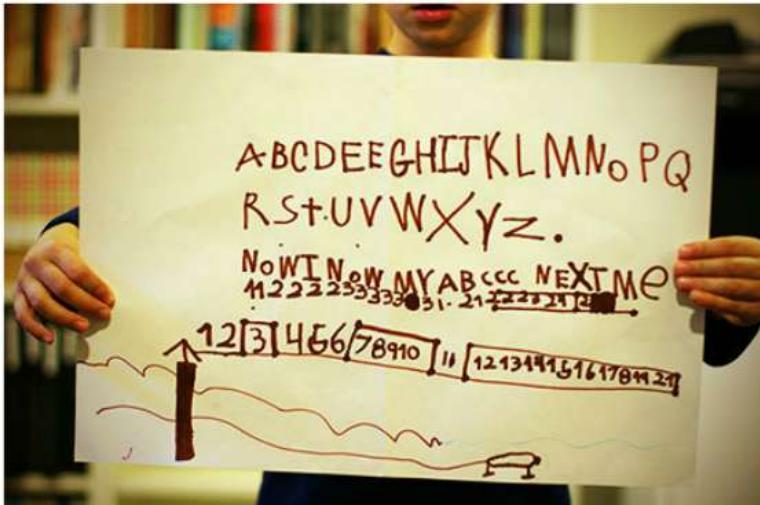
```
  @font-face{font-family:'Proxima Nova
Bold';src:url('http://f.fontdeck.com/f/1/WChfeVE2Ni0ABhjdgz37O7wYZ/RxrB8YgtCXp8or+pewYTBCVYFMMX8wBgyrranL3MPH31mVdJaq2Q.eot');
Z/RxrB8YgtCXp8or+pewYTBCVYFMMX8wBgyrranL3MPH31mVdJaq2Q.eot?') format('embedded-opentype'),url('data:application/x-font-
woff;base64,d09GRgABAAAAAQC5ABEAAAAB9SQAAAAAAAD/AAAAAWoAAAkvAAAAAAAABCrlRNAAD/DAAAAAbwAAAAXUyveEdERUYAAodAAAAAQgAAAEQZGhS6
IAAAH8AAAAMgAACBwVonBY21hcAACCUgAAQwAAAFTn+RT29jdnQgAAA=AAAADAAAABs8CuWz220AAA14AAABeQAAAmUpC+n2x52gAAGBAALn0AAFPgC
aG1eAAAAlgAAAbwAAAQiayegkNsb2NhAAAPgAAACCAAAAhGB5C18m1heHAAAHCAAAAIAAAACAGSgIDbmFtZQAA0gQAAJ7AAAF5eH6XLtb3N0ADUgAAAEx8A
f5yIDP/AIownA+a0nejp4f8uBSzvzLwMjAwdILQMDAEnxDlMAAAB42mNg2GBgFvuvx8DAnut/yP8Q1moCoAgYFECARvJBTIAAAAQAABCIAeAHAHgABgACAA
wMDewMrCDKJY2jAwvQ9geFCbAQpyc4gLGRQYFB6zNiy912NgXJ78cEmBqXE+S17xMdNsIKXAwAMA2HKSAgAaEnqV1tsVVUQhmetfRSOUasUFaqJWqSk1h
rB2Rp
qAwQtETICAQt1+M3vt4+bYlnqSP7P3Wfd/5p812+2X2gk/l2CSWyul/m4270dLpT8mf4JGS27pdZNkAlgsltNhrtMoq+da5WKs22ifh7pNo9LyV+n1T52VLmb5
```

```
<script type="text/javascript">
  (function () {
    "use strict";
    // once cached, the css file is stored on the client forever
    unless
      // the URL below is changed. Any change will invalidate the
      cache
      var css_href = './index_files/web-fonts.css';
      // a simple event handler wrapper
      function on(el, ev, callback) {
        if (el.addEventListener) {
          el.addEventListener(ev, callback, false);
        } else if (el.attachEvent) {
          el.attachEvent("on" + ev, callback);
        }
      }
  })
```

Smashing Magazine.

```
@font-face{font-family:'Proxima Nova  
Bold';src:url(http://f.fontdeck.com/f/1/WGhfeVE2Ni0ABhjdgu3707wYZ/RxrB8YgtCXp8or+pewYTBCvYFmmX8wBgyrranL3MPH3lmVdJaq2Q.eot);  
Z/RxrB8YgtCXp8or+pewYTBCvYFmmX8wBgyrranL3MPH3lmVdJaq2Q.eot?) format('embedded-opentype'),url(data:application/x-font-  
woff;base64,d09GRgABAQCSABEAAAAB9SQAAAAAAAD/KAAAAWoAAAkvAAAAAABGR1RNAAD/DAAAAABwAAAAcXUYveEdERUYAAOdAAAAAQgAAAEQZGhS6  
IAAAAH8AAAAbwVonBY21hcAACUgAAAQwAAA7n+RTZ9jdnQgAAAPwAAAADAAAAB8GuWZwZ20AAA14AAABsQAAAmUPtC+n22x5ZgAAGBAALn0AAFPgO  
aG10eAAAAlgAAAAbwAAAQiAyegkNsb2NhAAAP8AAACCAAAAhGB5C18m1heHAAAAbcAAAAIAAAACAGSgIDbmFtZQAA0gQAAAJ7AAA5eH6XLtwb3N0AADUgAAAEr8A  
f5yiDP/AIownA+a0sejP4f8u8BSzVzLwMjAwdILQMDAEnxDLMAAAB42mNgZGBgFvuvx8DAMut/yP8QlmoGoAgyYFECAHvJBTIAAAAQABCIAeAAHAHgABgACAA  
wMDEwMrGDKJYFjAwvQ9gePCbAQpyc4qLGRQYFH6zMIV912NgYJ7BcEmBgXE+SI7xMdNsIKXAwAMAZHksAgAAeNqVl1tsVVUQhmetfRS0UaSUFAqUWgSklhRrBRHp  
qAwQtETICAQt1+M3vt4+bYlnqSP7P3Wfd/5p812+2XZgk/l2CSWyu1/m4Z70dLpT8mFf4JGSZ7pdZNkAlgsLtNhrsTMoq+da5WKs22ifh7pNo9LyV+n1T52VLmb5
```

Font Squirrel



<http://www.fontsquirrel.com/tools/webfont-generator>

A B C D E E G H I J K L M N O P Q
R S T U V W X Y Z.

No WIN now MY AB CCC NEXT ME
M222233333331. 21 ~~2223242~~

12 [3] 466/78910] II [12 13 14 15 16 17 84 21

@font-face Kit Generator

 Add Fonts

Open Sans Regular

TTF

940 glyphs

111 KB

Aspect Ratio: 0.54



BASIC

Straight conversion with minimal processing.

OPTIMAL

Recommended settings for performance and speed.

EXPERT...

You decide how best to optimize your fonts.

Font Formats:

TrueType

EOT Lite

SVG

WOFF

SVGZ

Rendering:

Apply Hinting

Improve Win rendering

Fix Vertical Metrics

Normalize across browsers

Remove Kerning

Strip kerning data

Fix Missing Glyphs:

Spaces

Hyphens

X-height Matching:

Resize to match the selected font's x-height.

None

Arial

Georgia

Verdana

Times New Roman

Protection: WebOnly™

Disable desktop use

Subsetting: Basic Subsetting

Western languages

 Custom Subsetting...

Custom language support

 No Subsetting**Character Encoding:** Mac Roman**Character Type:** Lowercase Currency Lower Accents Uppercase Typographics Upper Accents Numbers Math Symbols Diacriticals Punctuation Alt Punctuation**Language:** Albanian Faroese Maltese Bosnian French Norwegian Catalan German Polish Croatian Greek Portuguese Cyrillic Hebrew Romanian Czech Hungarian Serbian Danish Icelandic Slovak Dutch Italian Slovenian English Latvian Spanish

Esperanto
 Estonian Lithuanian
 Malagasy Swedish
 Turkish**Unicode Tables:**

-
- Basic Latin
-
-
- Latin-1 Sup
-
-
- Currency Symbols

-
- Punctuation
-
-
- Latin Extended-A

-
- Latin Extended-B
-
-
- Latin Extended +

Single Characters:

* * *

Unicode Ranges:

Comma separated values. Can be single hex values and/or ranges separated with hyphens.
Example: "0021-007E,00E7,00EB,00C7,00CB"

Subset Preview:

!	"	#	\$	%	&	'	()	*	+	,	-	.	/	0	1	2	3	
4	5	6	7	8	9	:	;	<	=	>	?	@	A	B	C	D	E	F	G
H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	[
\]	^	_	'	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
p	q	r	s	t	u	v	w	x	y	z	{		}	~	'	'	"	"	"

CSS Formats: Fontspring Syntax
[More information](#) Smiley
[More Information](#) Mo' Bulletproofer
[More Information](#)

CSS Options: Style Linking
Group styles under family Base64 Encode
Embed font in CSS**OpenType Options:**

If the features are available, the generator will flatten them into the font.

-
- Small Caps
-
-
- Caps to Sm. Caps
-
-
- Old Style Numerals
-
-
- Lining Numerals
-
-
- Tabular Numerals
-
-
- Proportl. Numerals
-
-
- Slashed Zero

-
- Stylistic Alts
-
-
- Style Set 1
-
-
- Style Set 2

Advanced Options:

Font Name Suffix

latin

Em Square Value

2048

Adjust Glyph Spacing

0

In units of the em square

Font Tables: Fix GASP Table

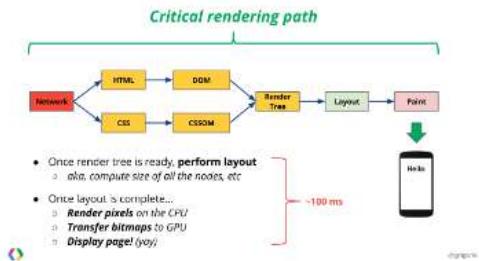
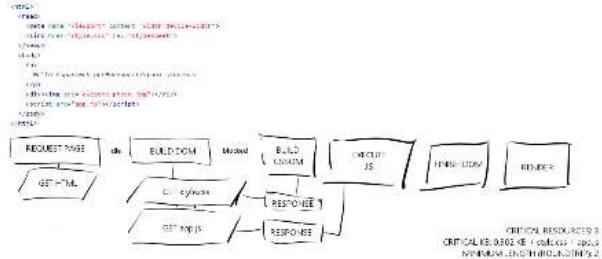
Better DirectWrite Rendering

Shortcuts: Remember my settings**Agreement:** Yes, the fonts I'm uploading are legally eligible for web embedding.

Font Squirrel offers this service in good faith. Please honor the EULAs of your fonts.

Download Your Kit 

Critical redering path



Anatomy of a web page

- DNS resolution
- TCP connection
- Send request
- Wait for response
- Download response
- Parse (DOM, CSSOM)
- Execute JS/Apply CSS
- Render

Network

Server

Client

```
280 font-family: 'GreatEscapeRg-Regular';
281 src: url('data:font/opentype;base64,MEAAQAOIAAAA8gB
282 ');
283 }
```

The deferred font loading logic for Smashing Magazine.

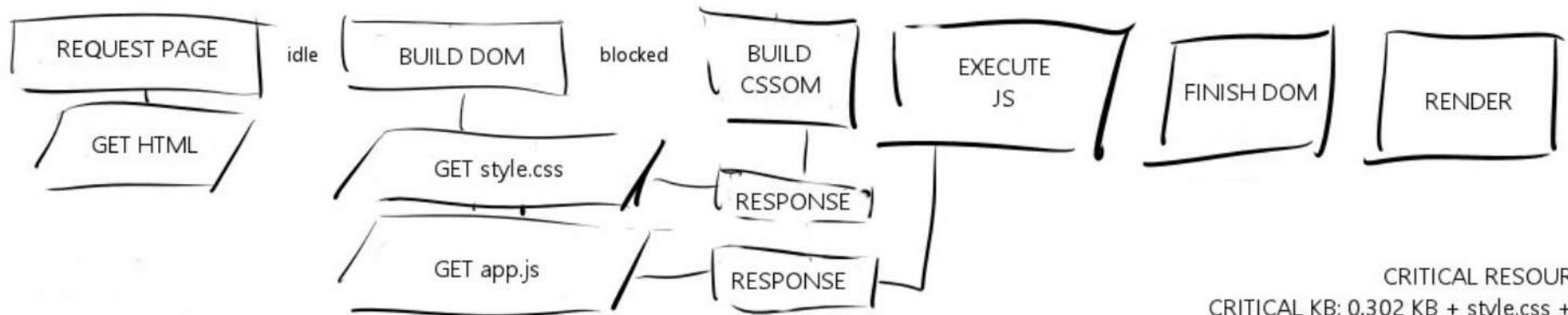
```
/* font-family: 'GreatEscapeRg-Regular';
  font-size: 1em; */
  &#1281; src: url('data:font/opentype;base64,MEAAQAOIAAAA8gB
  &#1282; ');
  &#1283; }
```



HTTPS

Critical rendering path

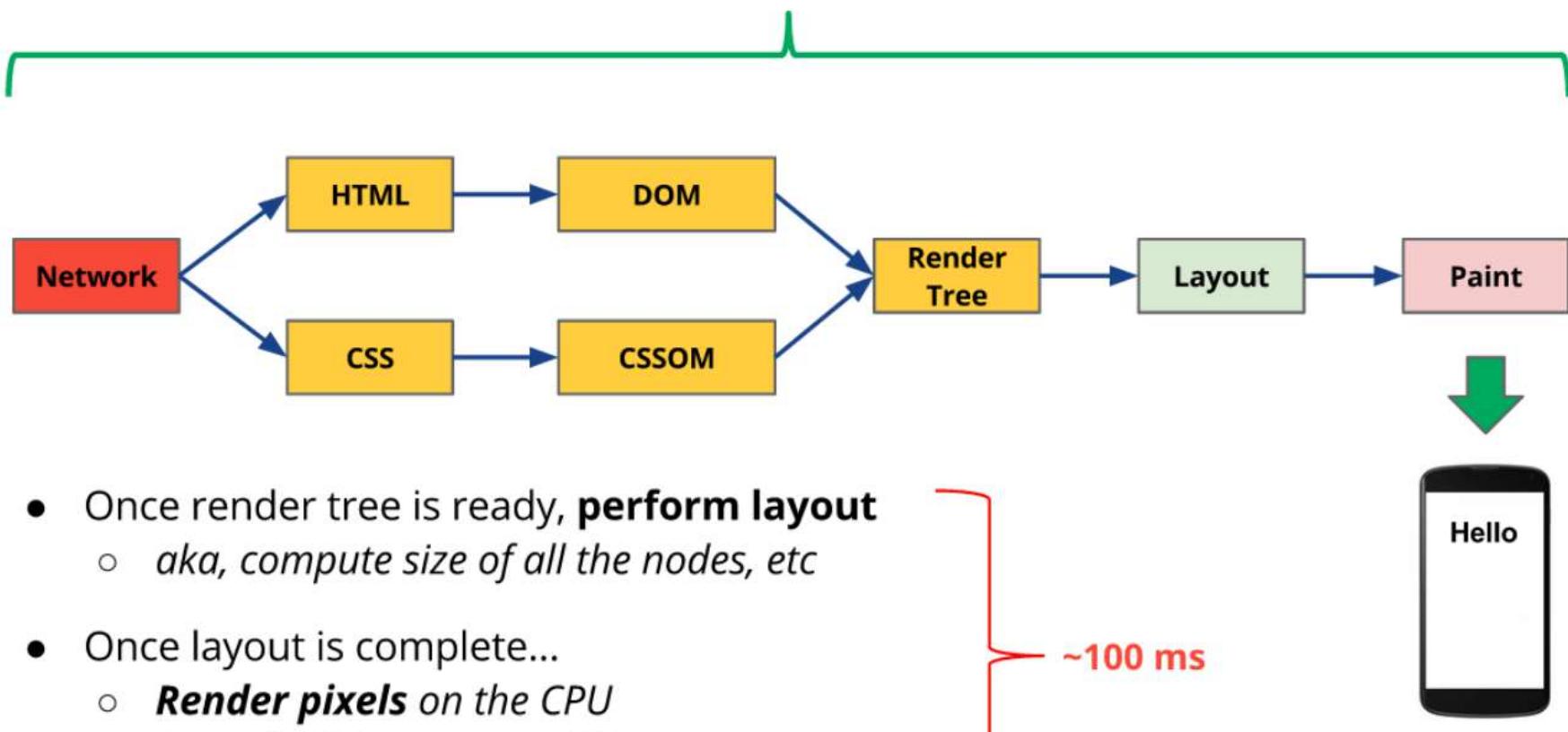
```
<html>
  <head>
    <meta name="viewport" content="width=device-width">
    <link href="style.css" rel="stylesheet">
  </head>
  <body>
    <p>
      Hello <span>web performance</span> students!
    </p>
    <div></div>
    <script src="app.js"></script>
  </body>
</html>
```



CRITICAL RESOURCES: 3
CRITICAL KB: 0,302 KB + style.css + app.js
MINIMUM LENGTH (ROUNDTRIP): 2

Critical rendering path

Critical rendering path



Anatomy of a web page

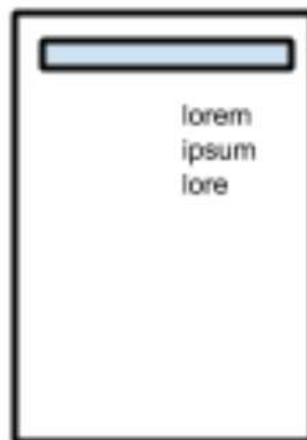
- DNS resolution
 - TCP connection
 - Send request
 - Wait for response
 - Download response
 - Parse (DOM, CSSOM)
 - Execute JS/Apply CSS
 - Render
- Network
Server
Client

Optimized (progressive) rendering

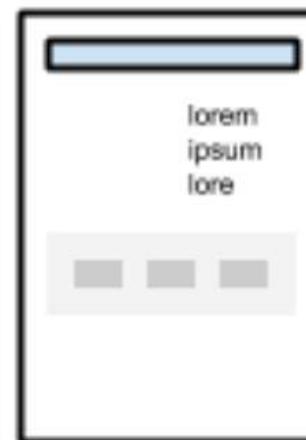
0.0s



0.3s



0.8s



1.2s



1.5s



Unoptimized rendering



- Once layout is complete...
 - Render pixels on the CPU
 - Transfer bitmaps to GPU
 - Display page! (say)

-100 ms

<http://www.fontsquirrel.com/tools/webfont-generator>



UNCSS - remove not used CSS per page

▼ Web Page Performance

- ▶ Optimize the order of styles and scripts (3)
- ▶ Remove unused CSS rules (1715)
 - 1715 rules (84%) of CSS not used by the current page.
 - ▶ : 100% is not used by the current page.
 - ▶ [bootstrap-extended.css](#): 96% is not used by the current page.
 - ▶ [bootstrap-responsive.min.css](#): 72% is not used by the current page.
 - ▶ [bootstrap.min.css](#): 84% is not used by the current page.
 - ▶ [icomoon.css](#): 100% is not used by the current page.
 - ▶ [template.css](#): 52% is not used by the current page.
 - ▶ [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.default.css](#): 96% is not used by the current page.
- ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

▼ Web Page Performance

- ▶ Optimize the order of styles and scripts (3)
- ▶ Remove unused CSS rules (1726)
 - 1726 rules (85%) of CSS not used by the current page.
 - ▶ : 100% is not used by the current page.
 - ▶ [bootstrap-extended.css](#): 96% is not used by the current page.
 - ▶ [bootstrap-responsive.min.css](#): 75% is not used by the current page.
 - ▶ [bootstrap.min.css](#): 84% is not used by the current page.
 - ▶ [icomoon.css](#): 99% is not used by the current page.
 - ▶ [template.css](#): 54% is not used by the current page.
 - ▶ [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.2x.css](#): 96% is not used by the current page.
- ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

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Picture element

A picture element is the most powerful and flexible image element available. It can be used to serve images from multiple sources, defer loading until needed, and even use data URIs.

Format	File Type	Description
Image	Image	The standard image element.
Image-set	Image	An image element with multiple sources.
Object	Image	An object element with multiple sources.
Image-set	Image	An image element with multiple sources.
Image-set	Image	An image element with multiple sources.
Image-set	Image	An image element with multiple sources.

WOFF - Web Open Font Format

Compressed TrueType/OpenType font that contains information about the font's source.

Font	Format	Character Range	Font	Format	Character Range
Font 1	Font 1	Font 1	Font 2	Font 2	Font 2
Font 3	Font 3	Font 3	Font 4	Font 4	Font 4
Font 5	Font 5	Font 5	Font 6	Font 6	Font 6
Font 7	Font 7	Font 7	Font 8	Font 8	Font 8
Font 9	Font 9	Font 9	Font 10	Font 10	Font 10
Font 11	Font 11	Font 11	Font 12	Font 12	Font 12
Font 13	Font 13	Font 13	Font 14	Font 14	Font 14
Font 15	Font 15	Font 15	Font 16	Font 16	Font 16
Font 17	Font 17	Font 17	Font 18	Font 18	Font 18
Font 19	Font 19	Font 19	Font 20	Font 20	Font 20
Font 21	Font 21	Font 21	Font 22	Font 22	Font 22
Font 23	Font 23	Font 23	Font 24	Font 24	Font 24
Font 25	Font 25	Font 25	Font 26	Font 26	Font 26
Font 27	Font 27	Font 27	Font 28	Font 28	Font 28
Font 29	Font 29	Font 29	Font 30	Font 30	Font 30
Font 31	Font 31	Font 31	Font 32	Font 32	Font 32
Font 33	Font 33	Font 33	Font 34	Font 34	Font 34
Font 35	Font 35	Font 35	Font 36	Font 36	Font 36
Font 37	Font 37	Font 37	Font 38	Font 38	Font 38
Font 39	Font 39	Font 39	Font 40	Font 40	Font 40
Font 41	Font 41	Font 41	Font 42	Font 42	Font 42
Font 43	Font 43	Font 43	Font 44	Font 44	Font 44
Font 45	Font 45	Font 45	Font 46	Font 46	Font 46
Font 47	Font 47	Font 47	Font 48	Font 48	Font 48
Font 49	Font 49	Font 49	Font 50	Font 50	Font 50
Font 51	Font 51	Font 51	Font 52	Font 52	Font 52
Font 53	Font 53	Font 53	Font 54	Font 54	Font 54
Font 55	Font 55	Font 55	Font 56	Font 56	Font 56
Font 57	Font 57	Font 57	Font 58	Font 58	Font 58
Font 59	Font 59	Font 59	Font 60	Font 60	Font 60
Font 61	Font 61	Font 61	Font 62	Font 62	Font 62
Font 63	Font 63	Font 63	Font 64	Font 64	Font 64
Font 65	Font 65	Font 65	Font 66	Font 66	Font 66
Font 67	Font 67	Font 67	Font 68	Font 68	Font 68
Font 69	Font 69	Font 69	Font 70	Font 70	Font 70
Font 71	Font 71	Font 71	Font 72	Font 72	Font 72
Font 73	Font 73	Font 73	Font 74	Font 74	Font 74
Font 75	Font 75	Font 75	Font 76	Font 76	Font 76
Font 77	Font 77	Font 77	Font 78	Font 78	Font 78
Font 79	Font 79	Font 79	Font 80	Font 80	Font 80
Font 81	Font 81	Font 81	Font 82	Font 82	Font 82
Font 83	Font 83	Font 83	Font 84	Font 84	Font 84
Font 85	Font 85	Font 85	Font 86	Font 86	Font 86
Font 87	Font 87	Font 87	Font 88	Font 88	Font 88
Font 89	Font 89	Font 89	Font 90	Font 90	Font 90
Font 91	Font 91	Font 91	Font 92	Font 92	Font 92
Font 93	Font 93	Font 93	Font 94	Font 94	Font 94
Font 95	Font 95	Font 95	Font 96	Font 96	Font 96
Font 97	Font 97	Font 97	Font 98	Font 98	Font 98
Font 99	Font 99	Font 99	Font 100	Font 100	Font 100
Font 101	Font 101	Font 101	Font 102	Font 102	Font 102
Font 103	Font 103	Font 103	Font 104	Font 104	Font 104
Font 105	Font 105	Font 105	Font 106	Font 106	Font 106
Font 107	Font 107	Font 107	Font 108	Font 108	Font 108
Font 109	Font 109	Font 109	Font 110	Font 110	Font 110
Font 111	Font 111	Font 111	Font 112	Font 112	Font 112
Font 113	Font 113	Font 113	Font 114	Font 114	Font 114
Font 115	Font 115	Font 115	Font 116	Font 116	Font 116
Font 117	Font 117	Font 117	Font 118	Font 118	Font 118
Font 119	Font 119	Font 119	Font 120	Font 120	Font 120
Font 121	Font 121	Font 121	Font 122	Font 122	Font 122
Font 123	Font 123	Font 123	Font 124	Font 124	Font 124
Font 125	Font 125	Font 125	Font 126	Font 126	Font 126
Font 127	Font 127	Font 127	Font 128	Font 128	Font 128
Font 129	Font 129	Font 129	Font 130	Font 130	Font 130
Font 131	Font 131	Font 131	Font 132	Font 132	Font 132
Font 133	Font 133	Font 133	Font 134	Font 134	Font 134
Font 135	Font 135	Font 135	Font 136	Font 136	Font 136
Font 137	Font 137	Font 137	Font 138	Font 138	Font 138
Font 139	Font 139	Font 139	Font 140	Font 140	Font 140
Font 141	Font 141	Font 141	Font 142	Font 142	Font 142
Font 143	Font 143	Font 143	Font 144	Font 144	Font 144
Font 145	Font 145	Font 145	Font 146	Font 146	Font 146
Font 147	Font 147	Font 147	Font 148	Font 148	Font 148
Font 149	Font 149	Font 149	Font 150	Font 150	Font 150
Font 151	Font 151	Font 151	Font 152	Font 152	Font 152
Font 153	Font 153	Font 153	Font 154	Font 154	Font 154
Font 155	Font 155	Font 155	Font 156	Font 156	Font 156
Font 157	Font 157	Font 157	Font 158	Font 158	Font 158
Font 159	Font 159	Font 159	Font 160	Font 160	Font 160
Font 161	Font 161	Font 161	Font 162	Font 162	Font 162
Font 163	Font 163	Font 163	Font 164	Font 164	Font 164
Font 165	Font 165	Font 165	Font 166	Font 166	Font 166
Font 167	Font 167	Font 167	Font 168	Font 168	Font 168
Font 169	Font 169	Font 169	Font 170	Font 170	Font 170
Font 171	Font 171	Font 171	Font 172	Font 172	Font 172
Font 173	Font 173	Font 173	Font 174	Font 174	Font 174
Font 175	Font 175	Font 175	Font 176	Font 176	Font 176
Font 177	Font 177	Font 177	Font 178	Font 178	Font 178
Font 179	Font 179	Font 179	Font 180	Font 180	Font 180
Font 181	Font 181	Font 181	Font 182	Font 182	Font 182
Font 183	Font 183	Font 183	Font 184	Font 184	Font 184
Font 185	Font 185	Font 185	Font 186	Font 186	Font 186
Font 187	Font 187	Font 187	Font 188	Font 188	Font 188
Font 189	Font 189	Font 189	Font 190	Font 190	Font 190
Font 191	Font 191	Font 191	Font 192	Font 192	Font 192
Font 193	Font 193	Font 193	Font 194	Font 194	Font 194
Font 195	Font 195	Font 195	Font 196	Font 196	Font 196
Font 197	Font 197	Font 197	Font 198	Font 198	Font 198
Font 199	Font 199	Font 199	Font 200	Font 200	Font 200
Font 201	Font 201	Font 201	Font 202	Font 202	Font 202
Font 203	Font 203	Font 203	Font 204	Font 204	Font 204
Font 205	Font 205	Font 205	Font 206	Font 206	Font 206
Font 207	Font 207	Font 207	Font 208	Font 208	Font 208
Font 209	Font 209	Font 209	Font 210	Font 210	Font 210
Font 211	Font 211	Font 211	Font 212	Font 212	Font 212
Font 213	Font 213	Font 213	Font 214	Font 214	Font 214
Font 215	Font 215	Font 215	Font 216	Font 216	Font 216
Font 217	Font 217	Font 217	Font 218	Font 218	Font 218
Font 219	Font 219	Font 219	Font 220	Font 220	Font 220
Font 221	Font 221	Font 221	Font 222	Font 222	Font 222
Font 223	Font 223	Font 223	Font 224	Font 224	Font 224
Font 225	Font 225	Font 225	Font 226	Font 226	Font 226
Font 227	Font 227	Font 227	Font 228	Font 228	Font 228
Font 229	Font 229	Font 229	Font 230	Font 230	Font 230
Font 231	Font 231	Font 231	Font 232	Font 232	Font 232
Font 233	Font 233	Font 233	Font 234	Font 234	Font 234
Font 235	Font 235	Font 235	Font 236	Font 236	Font 236
Font 237	Font 237	Font 237	Font 238	Font 238	Font 238
Font 239	Font 239	Font 239	Font 240	Font 240	Font 240
Font 241	Font 241	Font 241	Font 242	Font 242	Font 242
Font 243	Font 243	Font 243	Font 244	Font 244	Font 244
Font 245	Font 245	Font 245	Font 246	Font 246	Font 246
Font 247	Font 247	Font 247	Font 248	Font 248	Font 248
Font 249	Font 249	Font 249	Font 250	Font 250	Font 250
Font 251	Font 251	Font 251	Font 252	Font 252	Font 252
Font 253	Font 253	Font 253	Font 254	Font 254	Font 254
Font 255	Font 255	Font 255	Font 256	Font 256	Font 256
Font 257	Font 257	Font 257	Font 258	Font 258	Font 258
Font 259	Font 259	Font 259	Font 260	Font 260	Font 260
Font 261	Font 261	Font 261	Font 262	Font 262	Font 262
Font 263	Font 263	Font 263	Font 264	Font 264	Font 264
Font 265	Font 265	Font 265	Font 266	Font 266	Font 266
Font 267	Font 267	Font 267	Font 268	Font 268	Font 268
Font 269	Font 269	Font 269	Font 270	Font 270	Font 270
Font 271	Font 271	Font 271	Font 272	Font 272	Font 272
Font 273	Font 273	Font 273	Font 274	Font 274	Font 274
Font 275	Font 275	Font 275	Font 276	Font 276	Font 276
Font 277	Font 277	Font 277	Font 278	Font 278	Font 278
Font 279	Font 279	Font 279	Font 280	Font 280	Font 280
Font 281	Font 281	Font 281	Font 282	Font 282	Font 282
Font 283	Font 283	Font 283	Font 284	Font 284	Font 284
Font 285	Font 285	Font 285	Font 286	Font 286	Font 286
Font 287	Font 287	Font 287	Font 288	Font 288	Font 288
Font 289	Font 289	Font 289	Font 290	Font 290	Font 290
Font 291	Font 291	Font 291	Font 292	Font 292	Font 292
Font 293	Font 293	Font 293	Font 294	Font 294	Font 294
Font 295	Font 295	Font 295	Font 296	Font 296	Font 296
Font 297	Font 297	Font 297	Font 298	Font 298	Font 298
Font 299	Font 299	Font 299	Font 300	Font 300	Font 300
Font 301	Font 301	Font 301	Font 302	Font 302	Font 302
Font 303	Font 303	Font 303	Font 304	Font 304	Font 304
Font 305	Font 305	Font 305	Font 306	Font 306	Font 306
Font 307	Font 307	Font 307	Font 308	Font 308	Font 308
Font 309	Font 309	Font 309	Font 310	Font 310	Font 310
Font 311	Font 311	Font 311	Font 312	Font 312	Font 312
Font 313	Font 313	Font 313	Font 314	Font 314	Font 314
Font 315	Font 315	Font 315	Font 316	Font 316	Font 316
Font 317	Font 317	Font 317	Font 3		

WCSS - remove not used CSS per page

▼ Web Page Performance

- ► Optimize the order of styles and scripts (3)

- ▼ Remove unused CSS rules (1715)

1715 rules (84%) of CSS not used by the current page.

- : 100% is not used by the current page.
- [bootstrap-extended.css](#): 96% is not used by the current page.
- [bootstrap-responsive.min.css](#): 72% is not used by the current page.
- [bootstrap.min.css](#): 84% is not used by the current page.
- [icomoon.css](#): 100% is not used by the current page.
- [template.css](#): 52% is not used by the current page.
- [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.default.css](#): 96% is not used by the current page.

- ▼ Use normal CSS property names instead of vendor-prefixed ones (177)

▼ Web Page Performance

- ► Optimize the order of styles and scripts (3)

- ▼ Remove unused CSS rules (1726)

1726 rules (85%) of CSS not used by the current page.

- : 100% is not used by the current page.

- ▶ [bootstrap.min.css](#): 84% is not used by the current page.
- ▶ [icomoon.css](#): 100% is not used by the current page.
- ▶ [template.css](#): 52% is not used by the current page.
- ▶ [timeline.ba2a91a7d215f48be9997d41ee8f8d7a.default.css](#): 96% is not used by the current page.

● ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

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● ▶ Use normal CSS property names instead of vendor-prefixed ones (177)

HTTPS

HTTPS as a ranking signal

Posted: Wednesday, August 06, 2014 G+1 4.992 Tweet 2,190 Vind ik leuk

Webmaster level: all

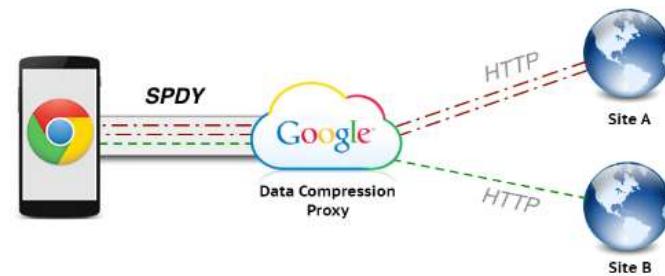
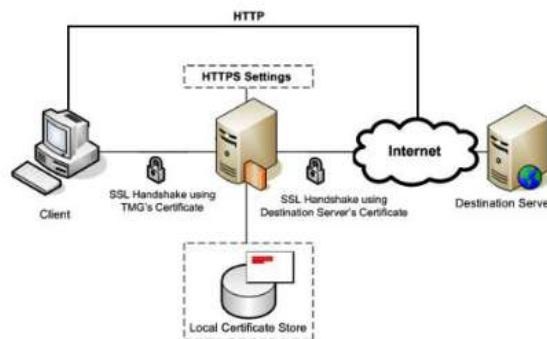
Security is a top priority for Google. We invest a lot in making sure that our services use industry-leading security, like strong HTTPS encryption by default. That means that people using Search, Gmail and Google Drive, for example, automatically have a secure connection to Google.

Beyond our own stuff, we're also working to make the Internet safer more broadly. A big part of that is making sure that websites people access from Google are secure. For instance, we have created resources to help webmasters prevent and fix security breaches on their sites.

We want to go even further. At Google I/O a few months ago, we called for "HTTPS everywhere" on the web.

We've also seen more and more webmasters adopting HTTPS (also known as HTTP over TLS, or Transport Layer Security), on their website, which is encouraging.

For these reasons, over the past few months we've been running tests taking into account whether sites use secure, encrypted connections as a signal in our search ranking algorithms. We've seen positive results, so we're starting to use HTTPS as a ranking signal. For now it's only a very lightweight signal — affecting fewer than 1% of global queries, and carrying less weight than other signals such as high-quality content — while we give webmasters time to switch to HTTPS. But over time, we may decide to strengthen it, because we'd like to encourage all website owners to switch from HTTP to HTTPS to keep everyone safe on the web.



HTTPS as a ranking signal

Posted: Wednesday, August 06, 2014

g+1

4.992

Tweet

2,190

Vind ik leuk

Webmaster level: all

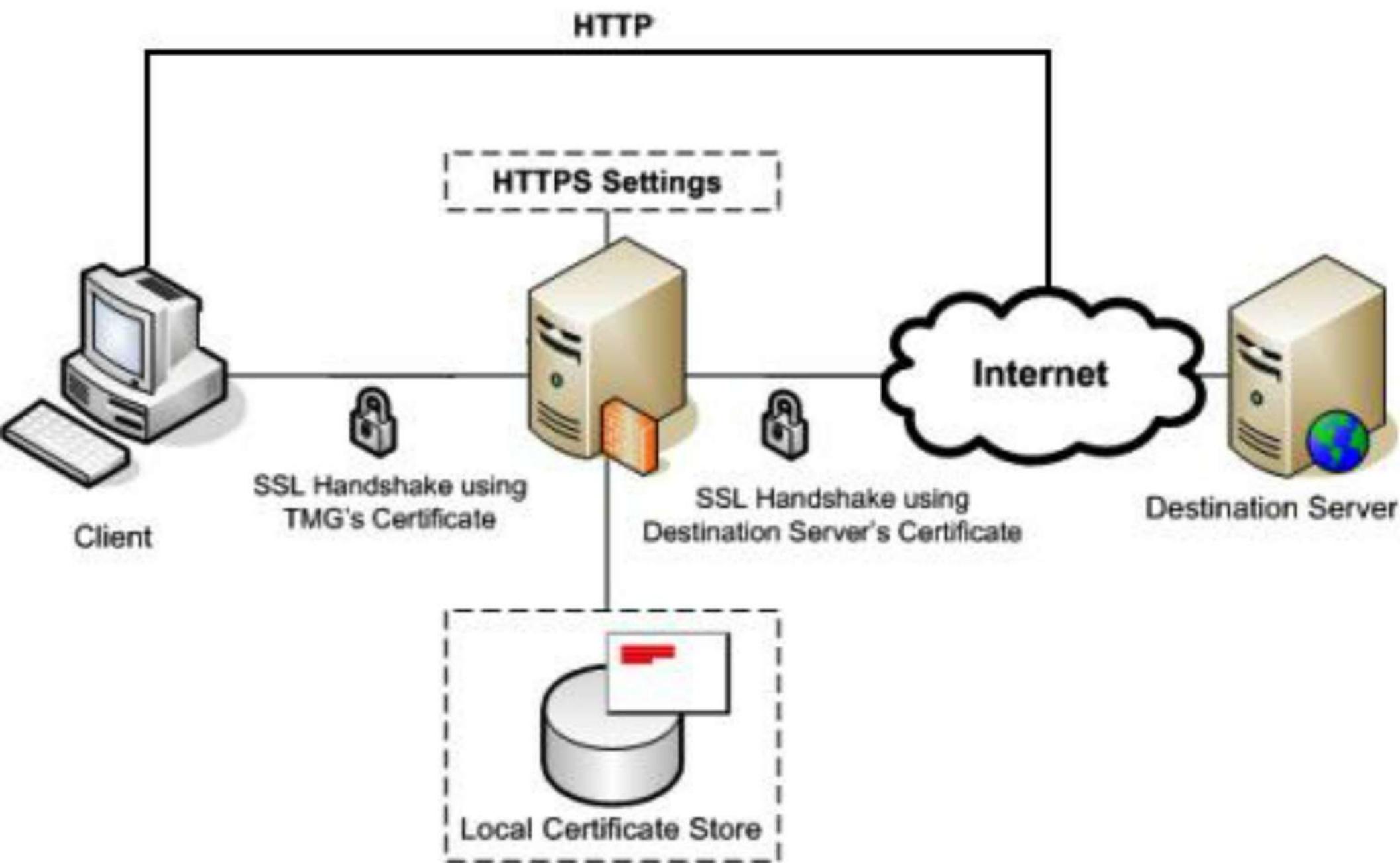
Security is a top priority for Google. We invest a lot in making sure that our services use industry-leading security, like [strong HTTPS encryption by default](#). That means that people using Search, Gmail and Google Drive, for example, automatically have a secure connection to Google.

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We want to go even further. At Google I/O a few months ago, we called for "[HTTPS everywhere](#)" on the web.

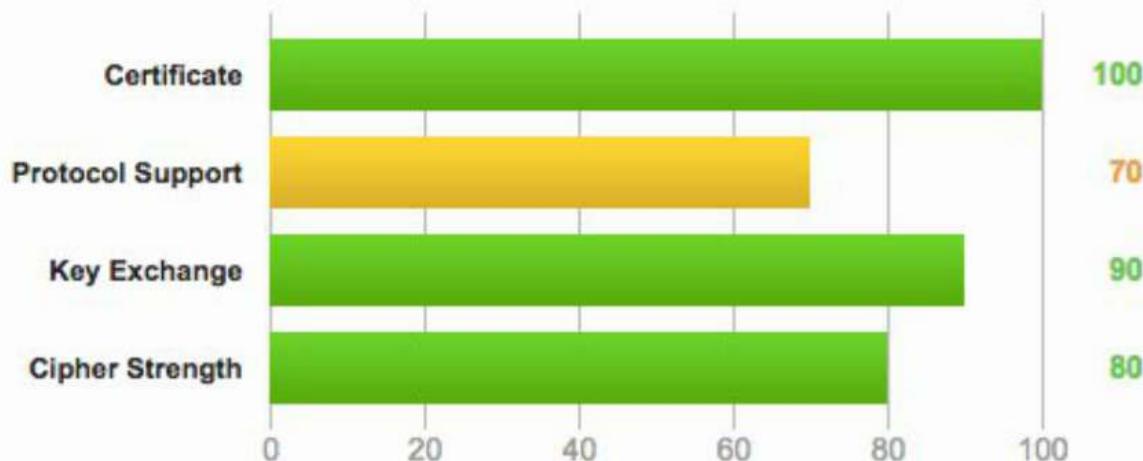
We've also seen more and more webmasters adopting [HTTPS](#) (also known as HTTP over [TLS](#), or Transport Layer Security), on their website, which is encouraging.

For these reasons, over the past few months we've been running tests taking into account whether sites use secure, encrypted connections as a signal in our search ranking algorithms. We've seen positive results, so we're starting to use [HTTPS](#) as a ranking signal. For now it's only a very lightweight signal — affecting fewer than 1% of global queries, and carrying less weight than other signals such as [high-quality content](#) — while we give webmasters time to switch to [HTTPS](#). But over time, we may decide to strengthen it, because we'd like to encourage all website owners to switch from [HTTP](#) to [HTTPS](#) to keep everyone safe on the web.



Summary

Overall Rating



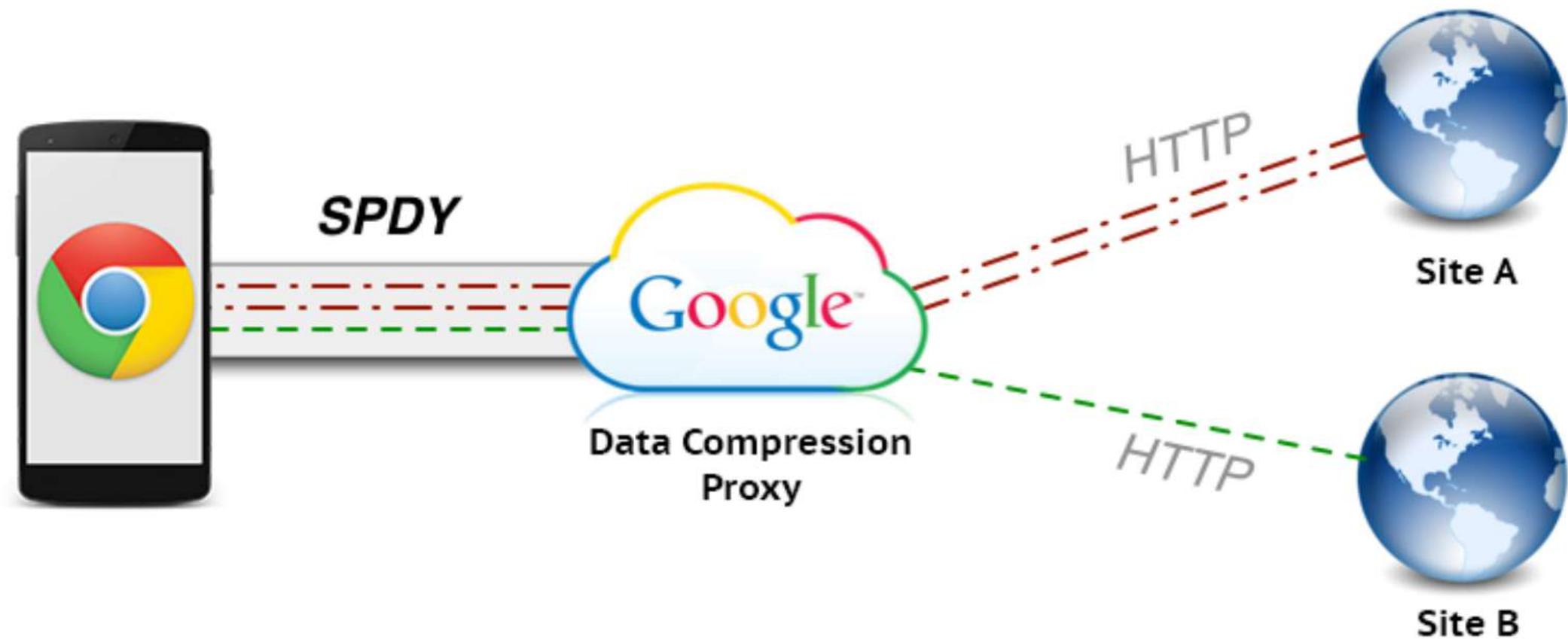
Visit our [documentation page](#) for more information, configuration guides, and books. Known issues are documented [here](#).

This server uses SSL 3, which is obsolete and insecure. Grade capped to B. [MORE INFO »](#)

The server supports only older protocols, but not the current best TLS 1.2. Grade capped to B.

This server accepts the RC4 cipher, which is weak. Grade capped to B. [MORE INFO »](#)

The server does not support Forward Secrecy with the reference browsers. [MORE INFO »](#)



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Picture element - LS

Global

41.55%

A responsive images method to control which image resource a user agent presents to a user, based on resolution, media query and/or support for a particular image format

Current aligned		Usage relative	Show all	IE	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
						31						
						36						
						37						
8						38						4.1
9		31				39	7					4.3
10		35				40	7.1					4.4
11		36				41	8	27		8.1		4.4.4
TP		37				42			28			
		38				43				29		
		39				44						

Notes Known issues (1) Resources (9) Feedback

Current IE status: Under Consideration

- 1 Enabled in Chrome through the "experimental Web Platform features" flag in chrome://flags
- 2 Enabled in Opera through the "experimental Web Platform features" flag in opera://flags
- 3 Enabled in Firefox by setting the about:config preference dom.image.picture.enable to true





Firefox®

38.0

Firefox is up to date

Firefox is designed by Mozilla
together to keep the Web open

Want to help? [Make a donation](#)

[Licensing Information](#)

[End-User Rights](#)

Srcset attribute - LS

Global

41.55% + 10.54% = 52.09%

Allows authors to define various image resources and "hints" that assist a user agent to determine the most appropriate image source to display (e.g. high-resolution displays, small monitors, etc).

Current aligned	Usage relative	Show all	IE	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
					31						4.1
					36						4.3
					37						4.4
			8		38						4.4.4
			9	31	39	7					
			10	35	40	7.1			7.1		
			11	36	41	8	27	8.1	8	37	41
TP				37	42		28				
				38	43			29			
				39	44						

Notes

Known issues (0)

Resources (4)

Feedback

¹ Can be enabled in Firefox by setting the about:config preference dom.image.srcset.enabled to true

² Supports the subset of the syntax for resolution switching (using the x descriptor), but not the full syntax that can be used with sizes (using the w descriptor).

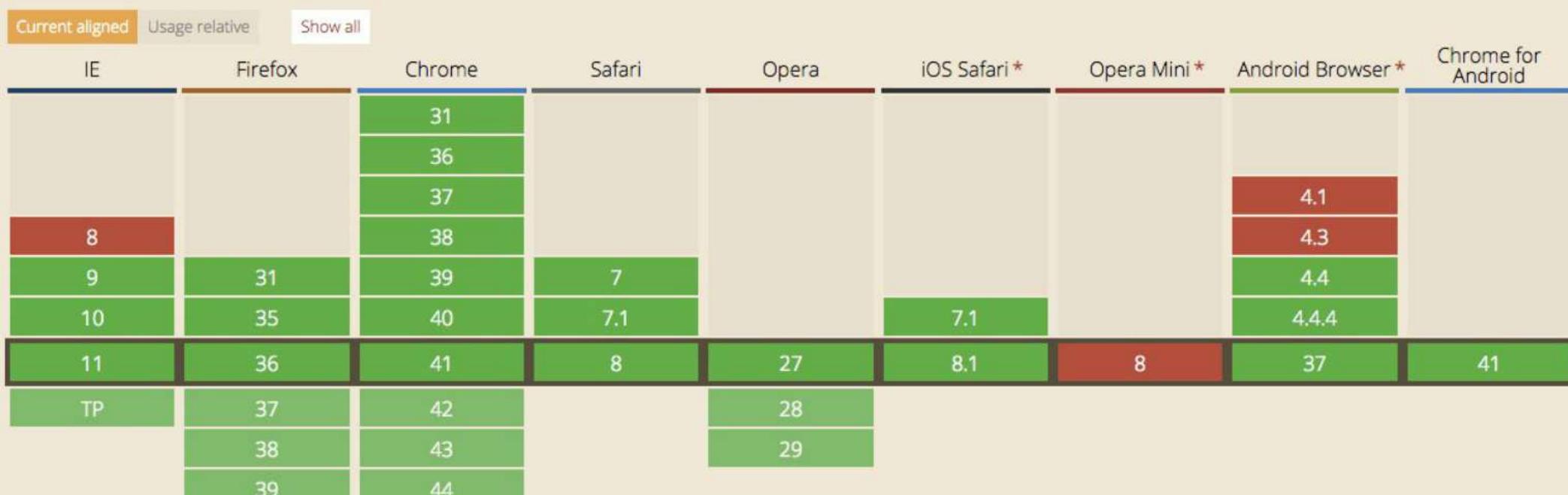


WOFF - Web Open Font Format - REC

Global

88.99%

Compressed TrueType/OpenType font that contains information about the font's source.



Notes Known issues (0) Resources (2) Feedback

Reported to be supported in some modified versions of the Android 4.0 browser.

WOFF 2.0 - Web Open Font Format - WD

Global

43.45%

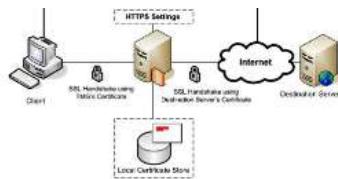
TrueType/OpenType font that provides better compression than WOFF 1.0.



Notes Known issues (0) Resources (5) Feedback

Current IE status: Under Consideration

¹ Default 'enabled' for Firefox Developer Edition and Nightly, but Beta and Release versions will need to set a flag to 'true' to use WOFF2.



Google's statement for 2015



Finding more mobile-friendly search results

When it comes to search on mobile devices, users should get the most relevant and timely results, no matter if the information lives on a mobile-friendly web page or app. As more people use mobile devices to access the Internet, our algorithms have to adapt to those usage patterns. In the past, we've made updates to ensure a site is configured properly and available on modern devices. We've made it easier for users to find mobile-friendly web pages and we've introduced App indexing to achieve a better crawl from search. Today, we're announcing two important changes to help users discover more mobile-friendly content:

- 1. More mobile-friendly websites in search results**

Starting April 21, we will be expanding our use of mobile-friendliness as a ranking signal. This change will affect mobile searches in all languages worldwide and will have a significant impact in our search results. Consequently, users will find it easier to get relevant, high-quality search results that are optimized for their device.

To get help with making a mobile-friendly site, check out our guide to mobile-friendly views. If you're a webmaster, you can get ready for this change by using the following tools to see how Googlebot views your pages:

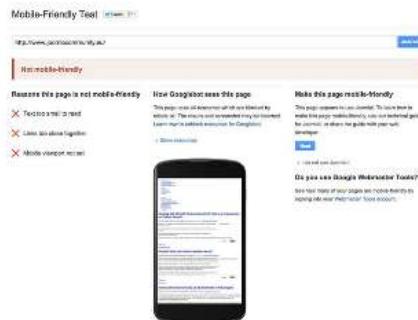
- * If you want to test a few pages, you can use the Mobile-Friendly Test.
- * If you have a site, you can use your Webmaster Tools account to get a full set of mobile usability issues across your site using the Mobile Usability Report.

2. More relevant app content in search results



Hey! Rankings in mobile search results will change April 21st.

Check here if your site is mobile-friendly.



Example

<https://www.example.com/>

Mobile-friendly - This is an example of a website that is well-designed for mobile devices.



ive Mythes?





Finding more mobile-friendly search results

Posted: Thursday, February 26, 2015

g+1

3.936

Tweet

3,390



Vind ik leuk

Webmaster level: all

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Hey! Rankings in
mobile search results
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[Check here if your
site is mobile-friendly.](#)

<http://www.joomlacomunity.eu/>

[ANALYZE](#)

Not mobile-friendly

Reasons this page is not mobile-friendly

- ✗ Text too small to read
- ✗ Links too close together
- ✗ Mobile viewport not set

How Googlebot sees this page

This page uses 44 resources which are blocked by robots.txt. The results and screenshot may be incorrect. Learn how to unblock resources for Googlebot.

» Show resources



Make this page mobile-friendly

This page appears to use Joomla!. To learn how to make this page mobile-friendly, use our technical guide for Joomla!, or share the guide with your web developer.

Next

» I do not use Joomla!.

Do you use Google Webmaster Tools?

See how many of your pages are mobile-friendly by signing into your [Webmaster Tools](#) account.

» I do not

Do you

See how many
signing inten-



Example

<https://www.example.com/>

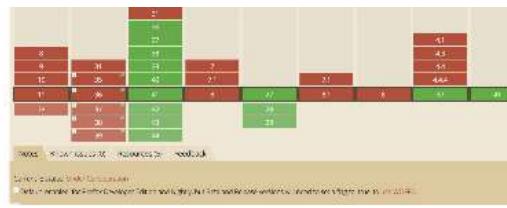
Mobile-friendly - This is an example of a website that is well-designed for mobile devices.





I had a dream that
the day would come, that
we all go Mobile

21 April 2015



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2. More relevant app content in search results

so is the **story** still truth on

Responsive Mythes?



- Performance is priority
- Use RWD as a tool
- Hack the technique if necessary
- Use correct CSS elements
- Serve only what is needed

- Performance is priority
- Use RWD as a tool
- Hack the technique if necessary
- Use correct CSS elements
- Serve only what is needed

That's all Folks!

My name: Ray Bogman



- Joomla/Magento evangelist
- Trainer
- Performance nerd
- Security geek
- Mobile freak

@ SupportDesk.nu

<http://www.linkedin.com/in/raybogman>

<http://www.twitter.com/raybogman>

Resources:

- <http://sixrevisions.com/javascript/mobile%C2%A0web-development-frameworks/>
- <http://caniuse.com/fontface>
- <http://blog.cloudfour.com/are-css-sprites-a-mobile-web-worst-practice/>
- <http://stevesouders.com/mobileperf/mobileperf.php>
- https://en.wikipedia.org/wiki/XHTML_Mobile_Profile
- <http://mobile.smashingmagazine.com/2013/01/09/bandwidth-media-queries-we-dont-need-em/>
- <http://www.igvita.com/2013/03/07/faster-smaller-and-more-beautiful-web-with-webp>
- <http://scottjehl.github.io/picturefill/examples/demo-03.html>
- <https://gist.github.com/hdragomir/8f00ce2581795fd7b1b7>
- <http://responsive-design.is/articles/responsive-images-in-chrome-and-firefox>
- <http://www.smashingmagazine.com/2014/05/14/responsive-images-done-right-guide-picture-srcset/>
- <https://github.com/aFarkas/respimage>
- <http://ericportis.com/posts/2014/srcset-sizes/>