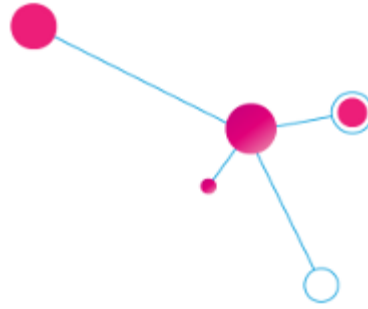




# Responsive Web Design

Mark Nightingale



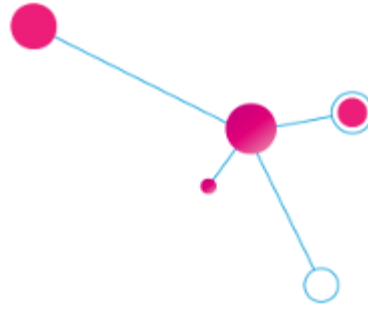


## Qu'est-ce que le Responsive Design ?





## Ce qu'on faisait avant...



- <http://urssaf.fr> (site non-responsive)
- <http://bbc.com> (site avec version mobile)



## Résultat...

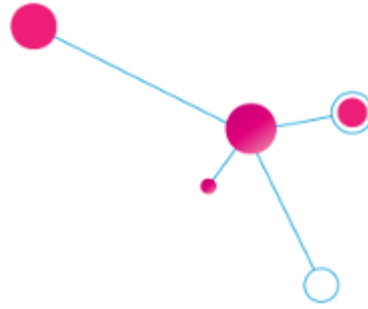


## Résultat...





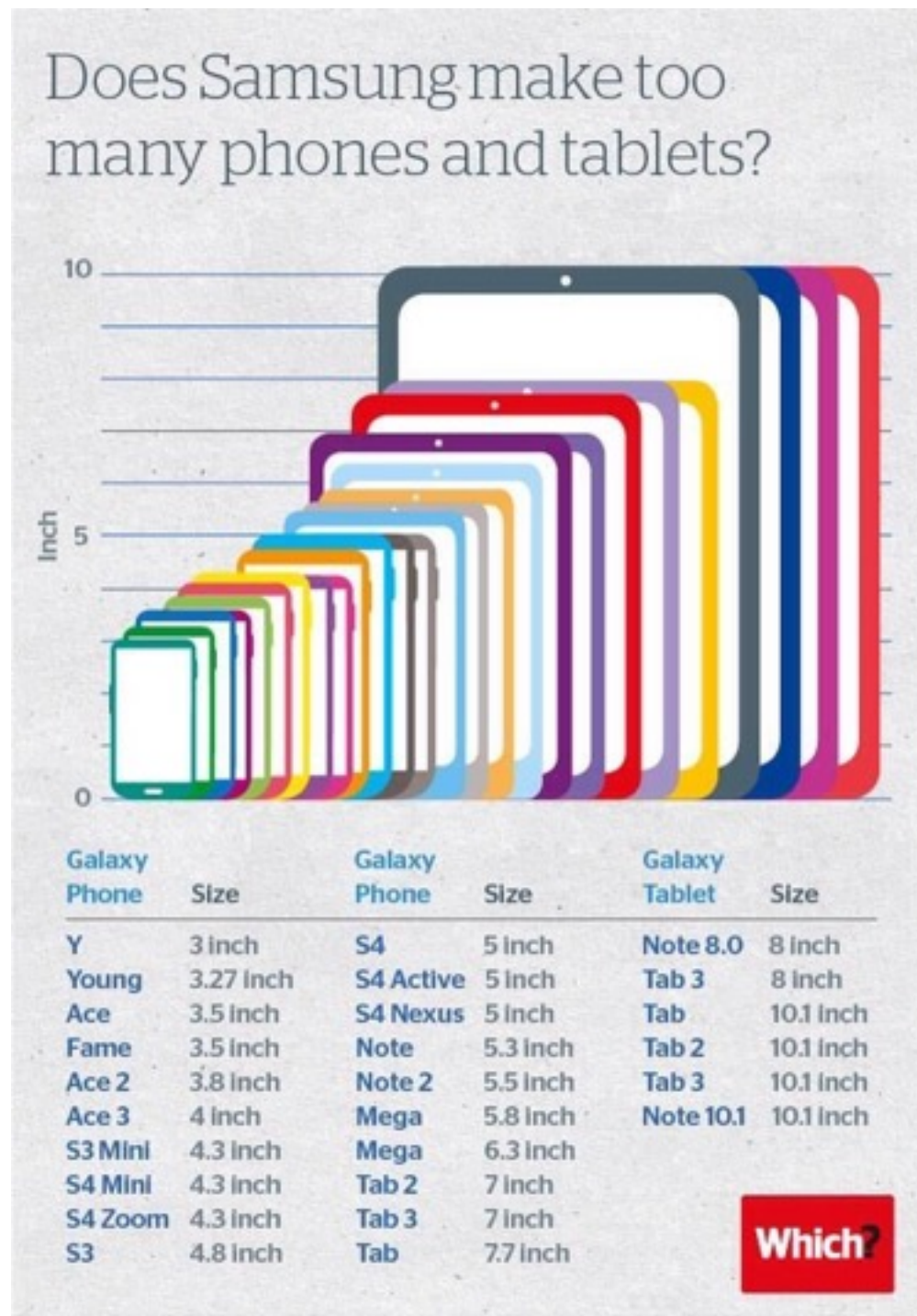
## Résultat...

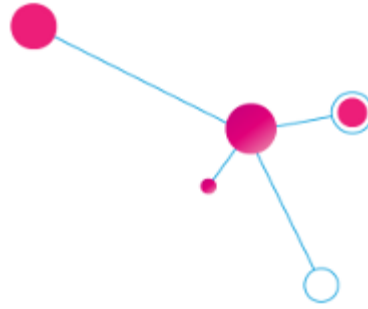


## Résultat...





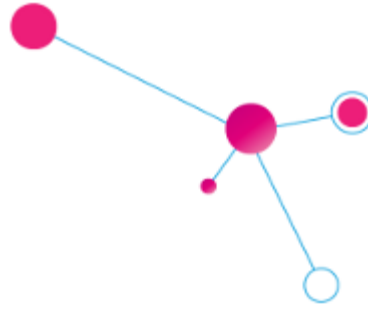




# Responsive Web Design

- <http://www.bloomberg.com/>
- <http://hondelleusa.org/>
- <http://www.lefigaro.fr/>  
vs [lemonde.fr](http://www.lemonde.fr/)





# Pourquoi adapter son site aux autres appareils ?



## Les chiffres clés 2014 du Mobile en France



Avril 2014

Données consolidées et présentées par Azetone : [www.azetone.com](http://www.azetone.com)

**Ventes Mobiles**  
prévisions 2014

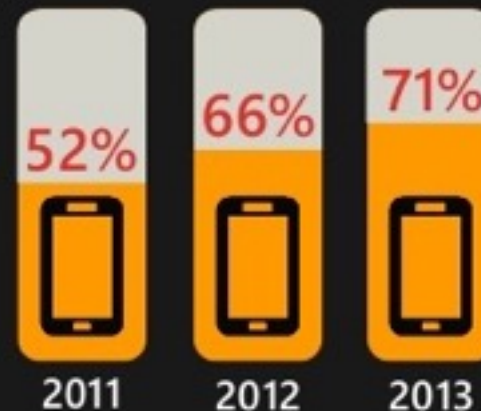
17,5 M Smartphones

3,7 M PC Portables

8,0 M Tablettes

GfK 2014

**Ventes Smartphones vs**  
mobiles **classiques**



**Parts de marché**  
**OS Smartphones**

Base installée déc 2013  
comScore



**27 M**

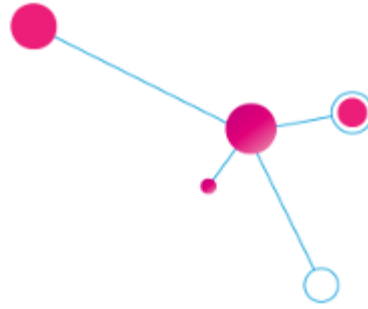
de mobinautes



soit **50%** des  
Français (11 ans et +)

Mediametrie 2014

(en entier)

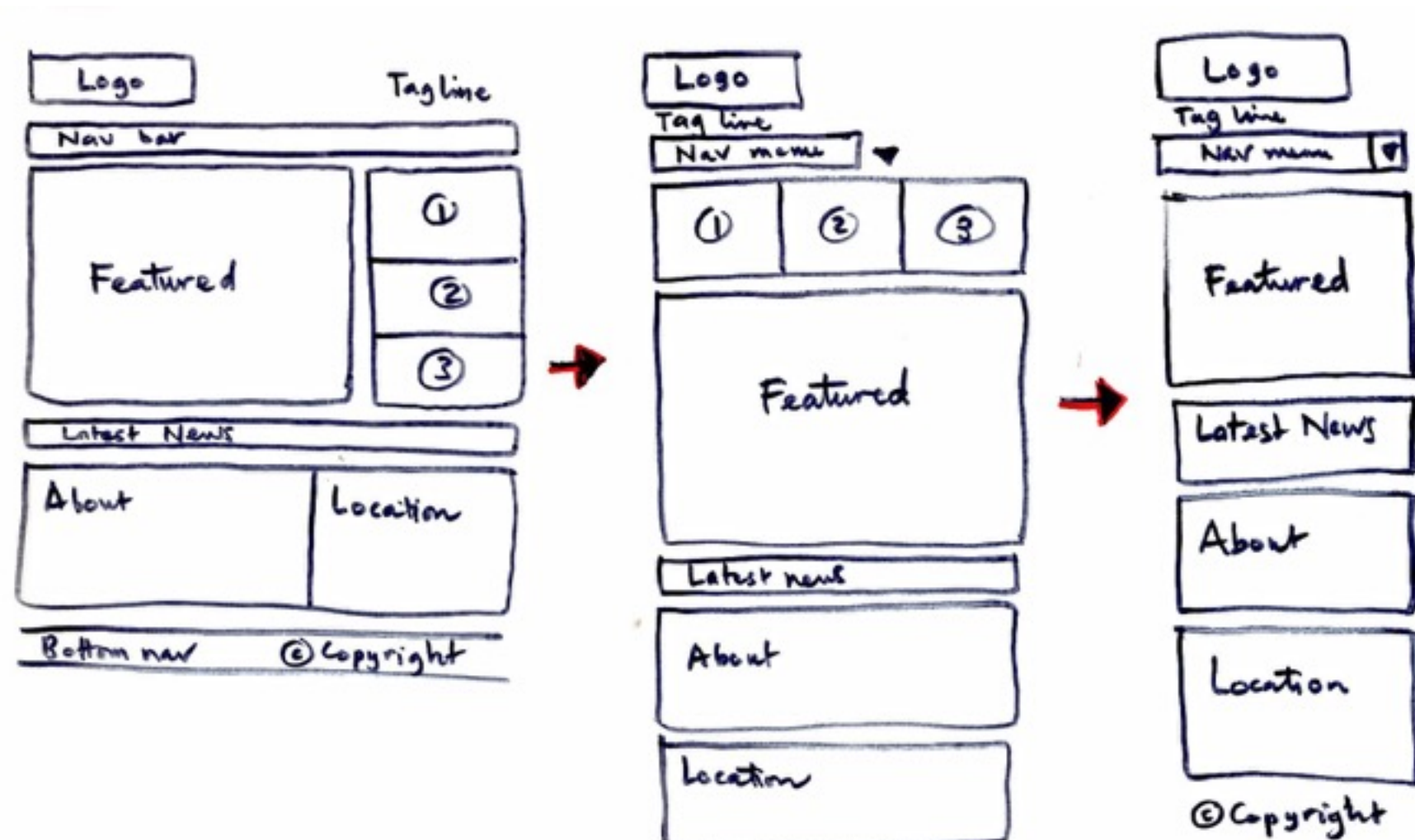


**Il faut réfléchir « Responsive » dès le début**





# Dès le début, il faut penser « Responsive »



@ media screen  
min-width: 990 px  
(Desktop)

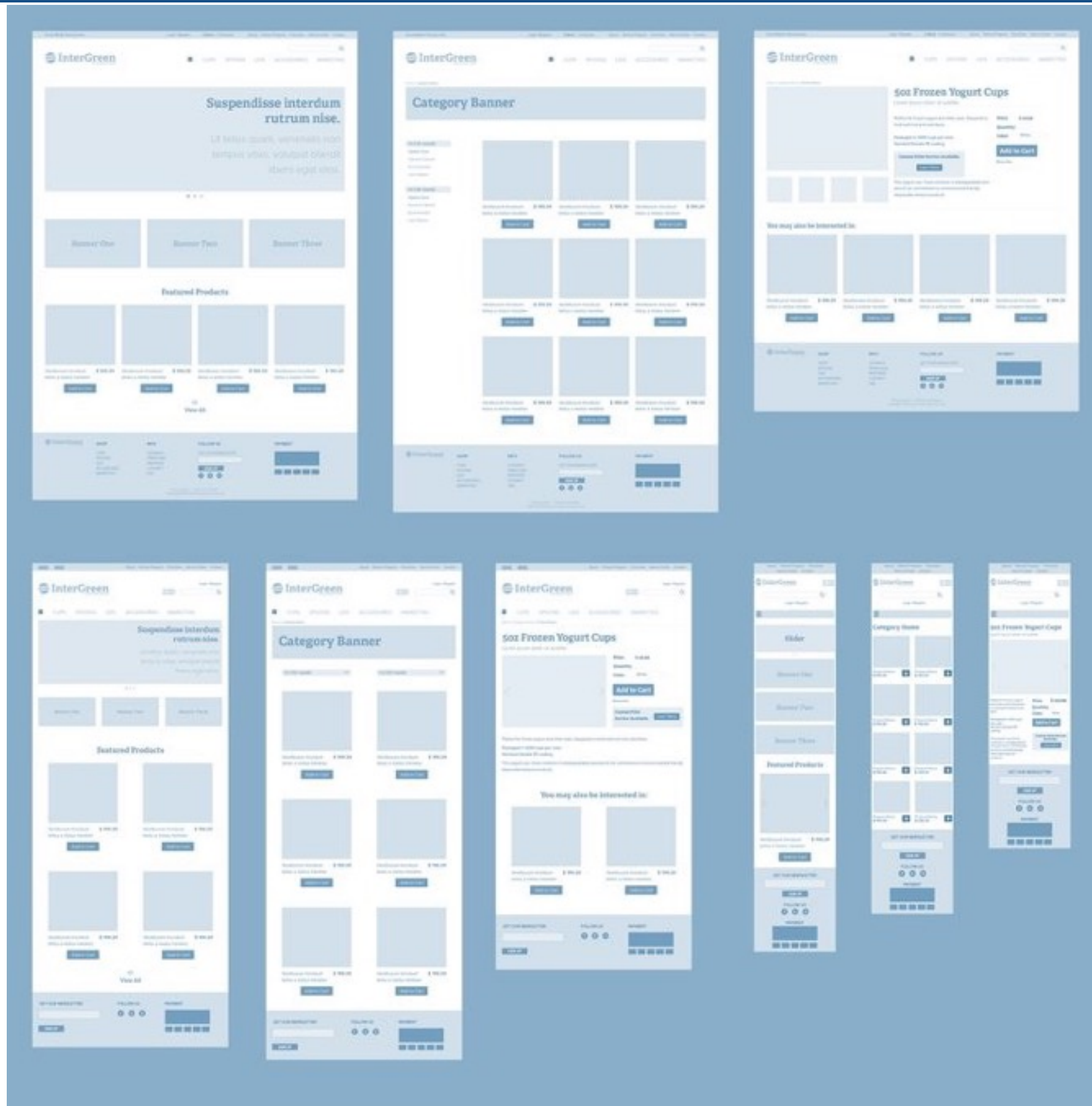
@ media screen  
min-width: 729 px  
(Ipad vertical)

@ media screen  
min-width: 480 px  
(Iphone)

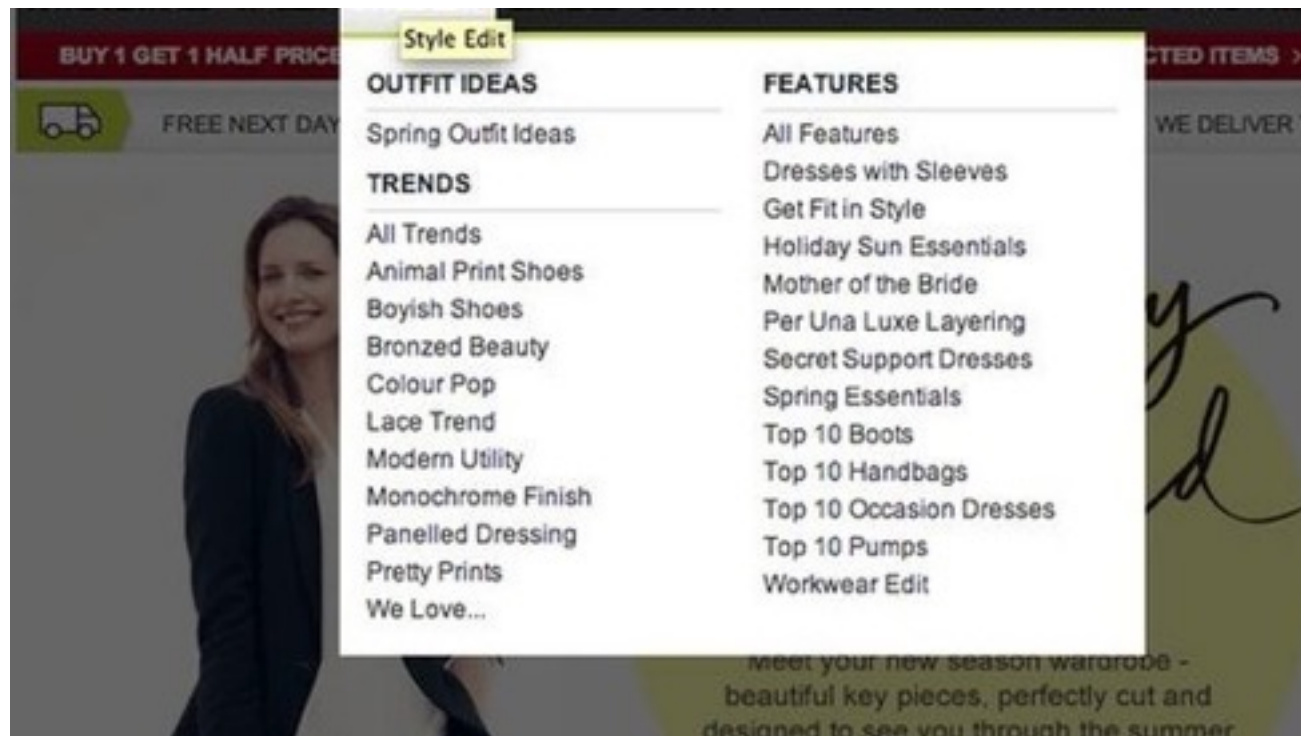
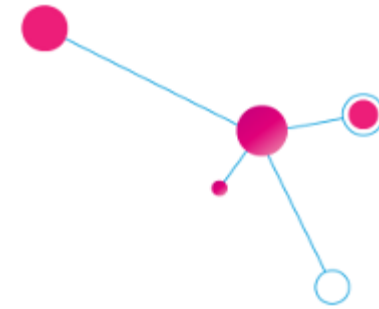


## Wireframes responsive

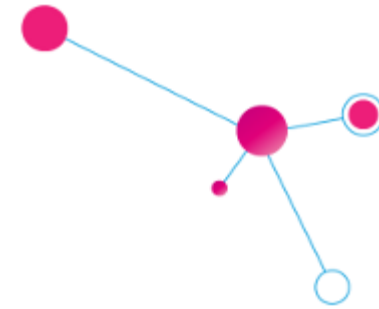
- <http://maquette.marknightingale.net/www.shakepeers.org/wireframe-v1/>



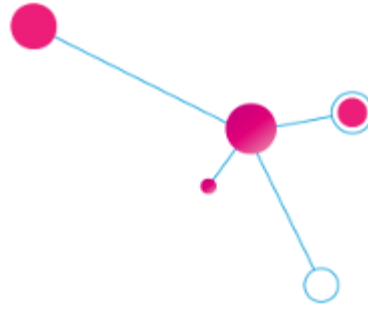
# Navigation avec les doigts



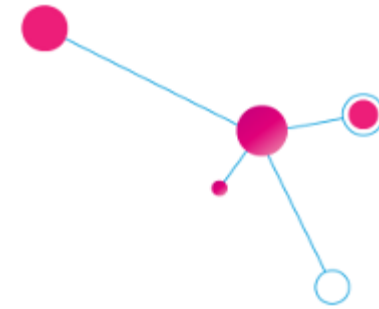
# Quels appareils ?



# Outils techniques



## Compatibilité



#

### CSS3 Media Queries - REC

Method of applying styles based on media information. Includes things like page and device dimensions

Global

93.91% + 0.01% = 93.92%

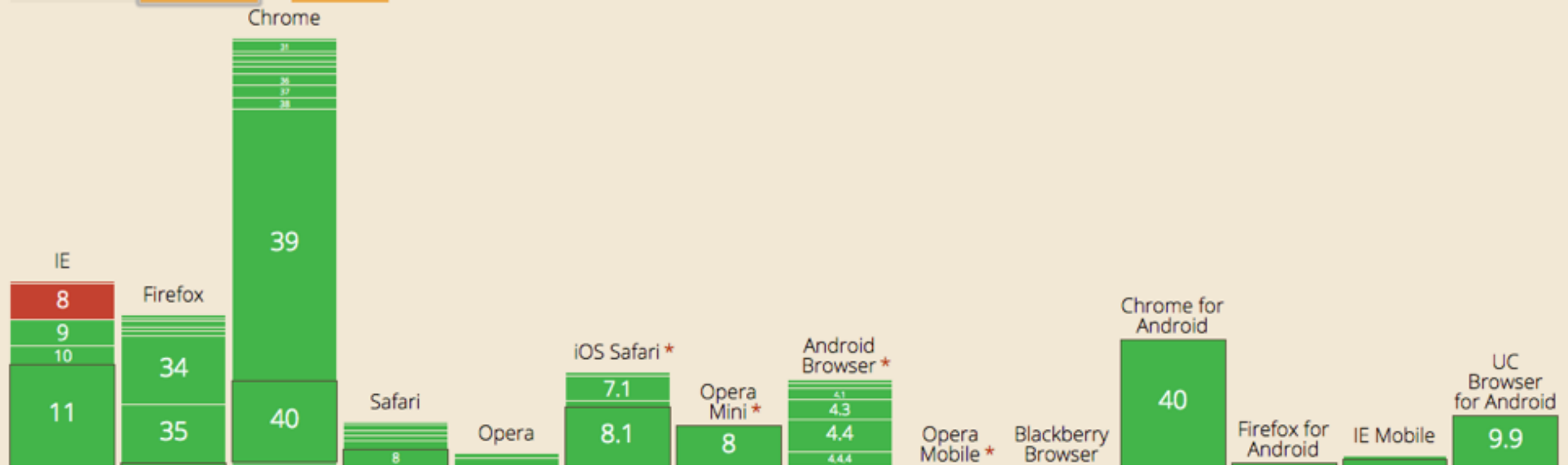
France

96.53%

Current aligned

Usage relative

Showing all



Notes

Sub-features (1)

Known issues (2)

Resources (5)

Feedback



# Quelques outils pour compatibilité IE8



- Respond.js
- HTML5shiv





# Media queries

- 'Conditions' à mettre dans votre CSS afin d'appliquer certaines règles pour certaines tailles d'écran

## Example

Change the background-color if the document is smaller than 300 pixels wide:

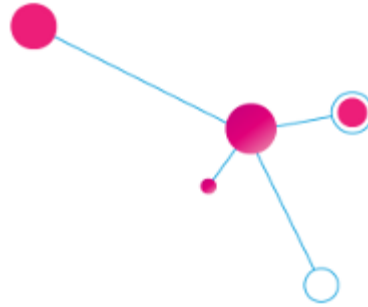
```
@media screen and (max-width: 300px) {  
  body {  
    background-color: lightblue;  
  }  
}
```

## Example

Use the @media rule to make responsive design:

```
@media only screen and (max-width: 500px) {  
  .gridmenu {  
    width:100%;  
  }  
  
  .gridmain {  
    width:100%;  
  }  
  
  .gridright {  
    width:100%;  
  }  
}
```

## Meta view-port

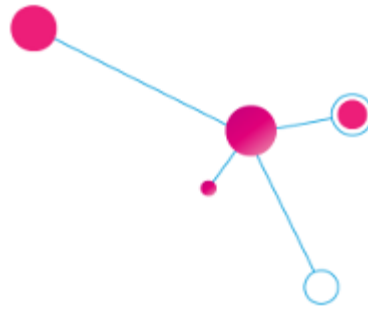


- Inclure dans le `<head>` de votre document HTML :

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



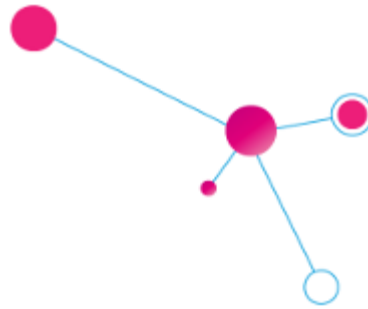
# Quelques exemples de patterns responsives simples



- <http://bradfrost.github.io/this-is-responsive/patterns.html>

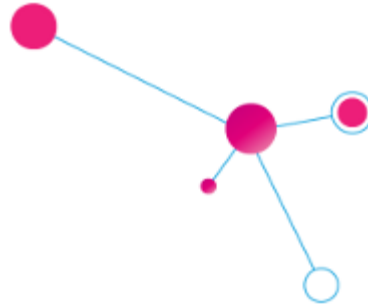


# Outils Javascript



- jQuery et `$(window).width()`
- Modernizr (détection de fonctionnalités)



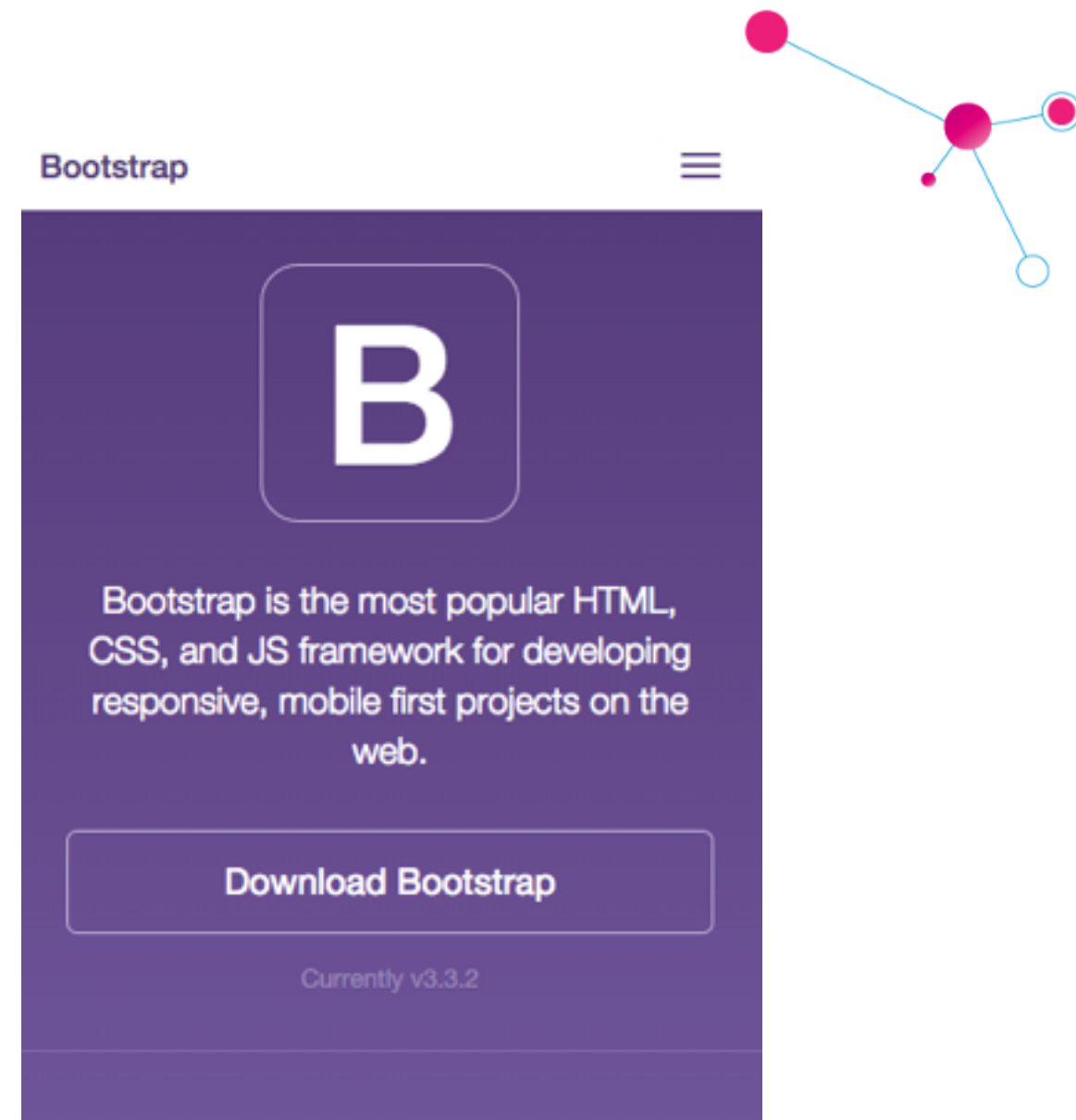


# Quelques boîtes-à-outils toutes faites



## Bootstrap

- Principe de la grille : <http://getbootstrap.com/examples/grid/>
- Compatible IE9 (et IE8 avec Respond.js et HTML5Shiv)
- Très complet
- Beaucoup de styles prédéfinis
- Exemples : <http://getbootstrap.com/examples/theme/>
- <http://www.scoopthemes.com/templates/Oleose/Eco/#>
- <https://www.terminusapp.com/>



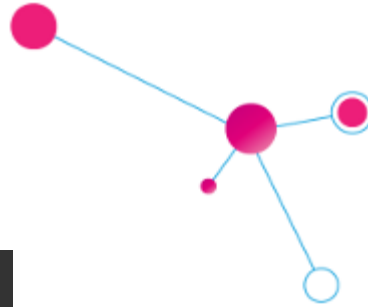
**Designed for everyone,  
everywhere.**

Bootstrap makes front-end web development faster and easier. It's made for folks of all skill levels, devices of all shapes, and projects of all sizes.



## Foundation

- Compatible IE9
- Conçu pour être une 'base' sur lequel construire
- Moins de styles prédéfinis
- Mobile-first
- <http://memphismusichalloffame.com/>
- [http://foundation.zurb.com/docs/components/kitchen\\_sink.html](http://foundation.zurb.com/docs/components/kitchen_sink.html)



Foundation

### Getting Started

Getting started with Foundation is easy. Whether you are a master of Sass, building a new app, or making your existing site responsive, we've got you covered.

### What is Foundation?

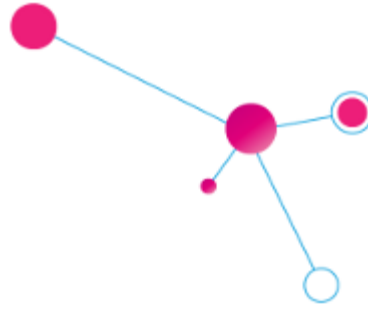
Foundation is the most advanced, responsive front-end framework in the world. The framework is mobile friendly and ready for you to customize it any way you want to use it.



Millions of designers and engineers use Foundation as part of their workflows. It was the first framework to introduce the concepts of responsive design, semantics, mobile first and partials. It's also compatible with most browsers and devices. Foundation is the professional choice for designers and engineers.



## Autres considérations



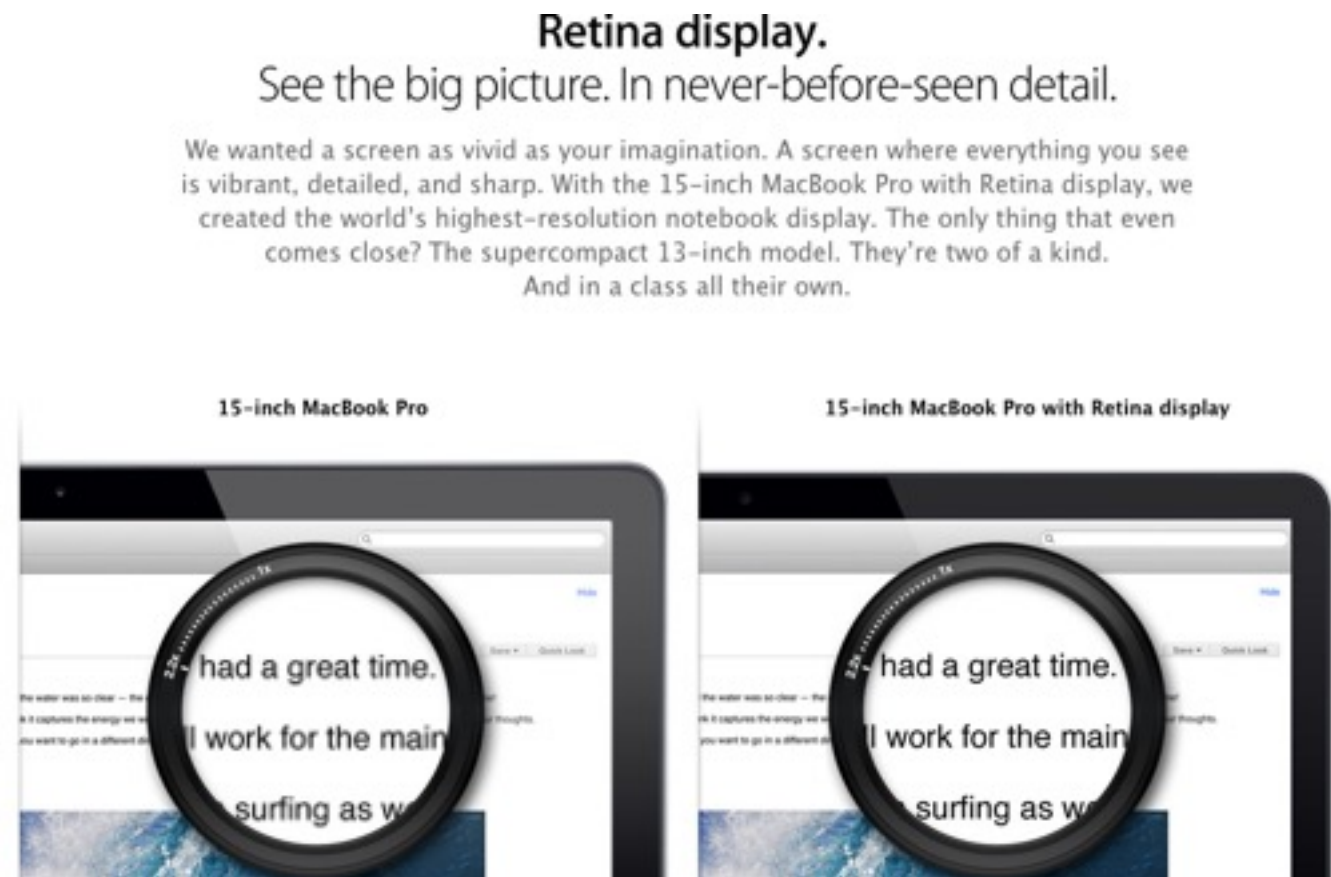


## Écrans Retina

iPhone, iPad mini, iPad Retina, Macbook...

## Compatibilité rétine

- Retina.js <http://imulus.github.io/retinajs/>
- Utiliser SVG
- Utiliser des icon-fonts

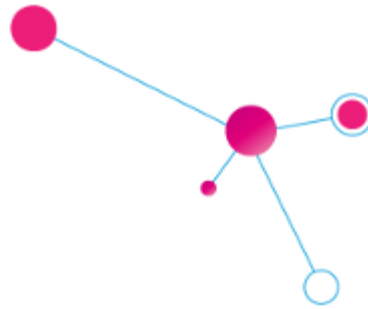




## Mobile-first

- Mobile-first : charger les ressources / règles pour mobile d'abord
- Minimiser la bande passante requise pour mobile
- Réduire le temps de chargement perçu (lazy-load etc.) :  
<http://davidwalsh.name/demo/lazyload-2.0.php>





**Merci de votre attention**  
Avez-vous des questions ?

