



TEMPLATE JOOMLA HTML5 / CSS3

I've seen the
FUTURE
It's in my
BROWSER



Yann Gomiero aka Daneel
Joomla.fr

Qui suis-je ?



Yann Gomiero

- WebDesigner / intégrateur / développeur
- Administrateur Serveur dédié / CDN
- Langages préférés : Js, Php / Objective C
- Indépendant travaillant en Freelance

Aka Daneel - JOOMLA.FR

- Co-administrateur de Joomla.fr
- Co-fondateur et président de l'AFUJ (2008-2011)
- Co-organisateur du JoomlaDay France depuis sa création
- Participe à la traduction de Joomla et à la publication des packs

Le programme

- L' HTML5/CSS3 avec le RWD
- Les Frameworks de template Joomla et l'HTML5
- HTML5 et la compatibilité avec les navigateurs
- Quelques propriétés HTML5/CSS3, utilisation dans Joomla
- Webfont, Googlefont, Cufon... les différences
- Optimisez vos fichiers css
- La vidéo en html5 et sous Joomla
- Animation en html5/css3 en module joomla.

HTML



IS HTML5 READY YET

?????

<http://ishtml5readyyet.com/>

NO

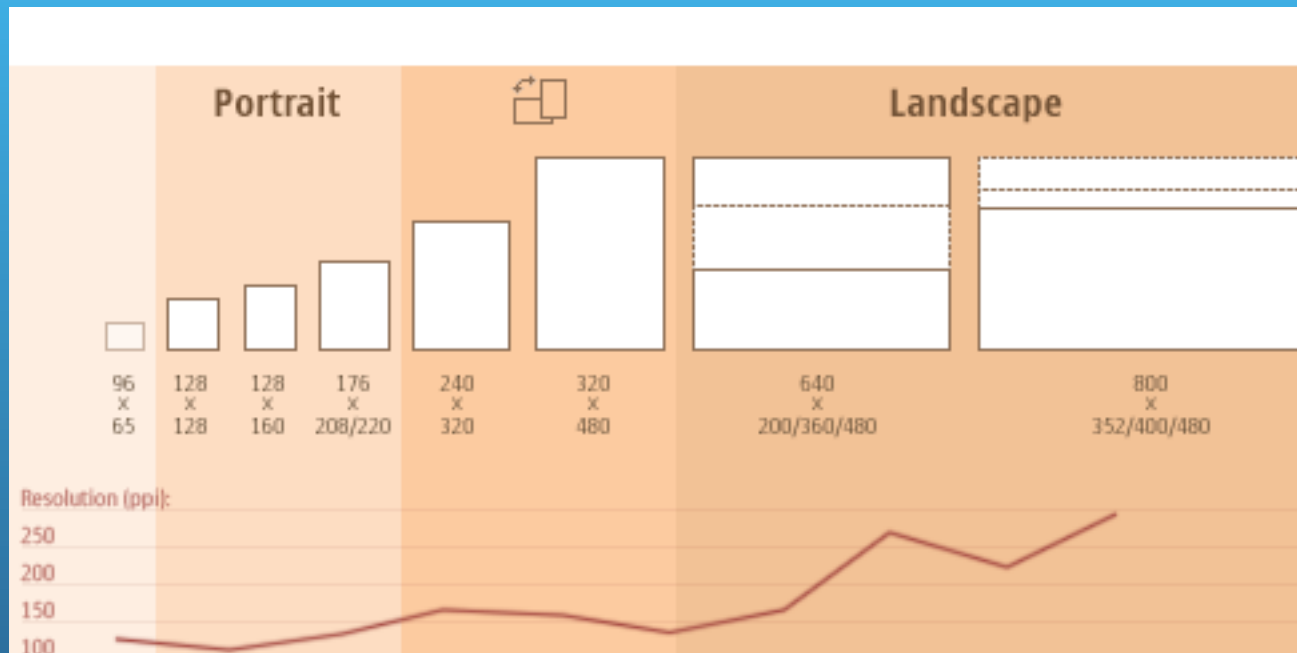


<http://ishtml5readyyet.com/>

- HTML 5 : Toujours en développement
- Des solutions de compatibilité existent
- Candidate recommandation pour 2012
- W3C recommandation pour 2014
- **NE PAS ATTENDRE**

Problème ?

Plus de 400 modèles d'écran existe de 2005 à nos jours, comment adapter nos sites sous Joomla ?

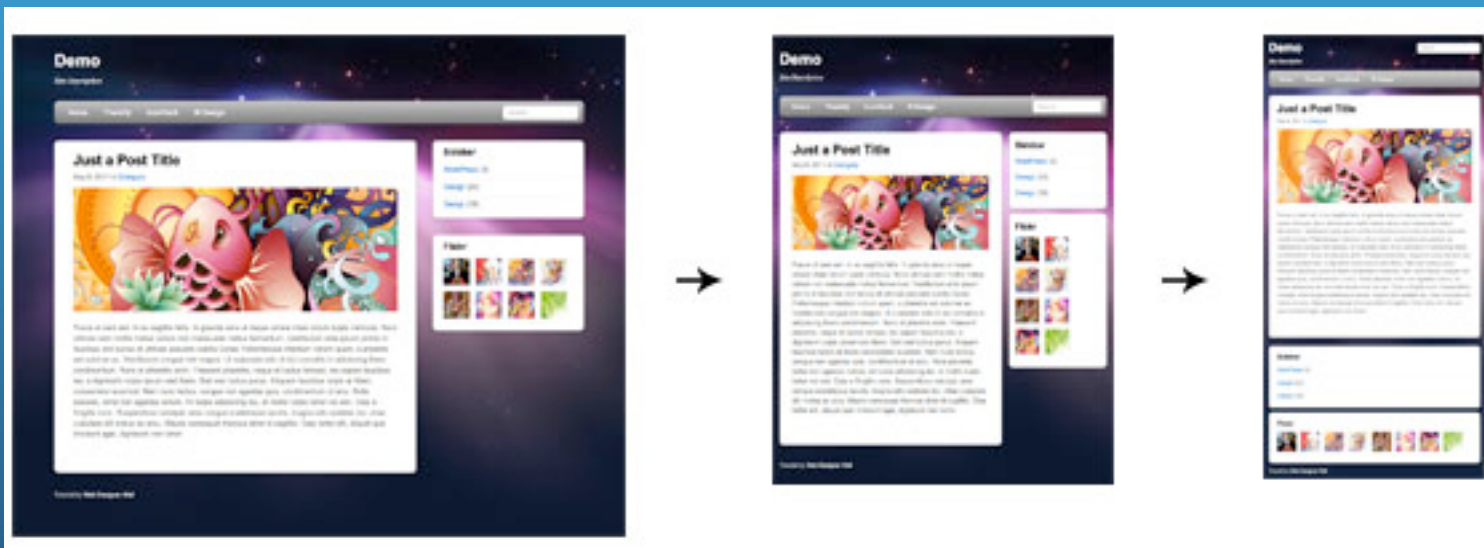


Source : <http://sender11.typepad.com/sender11/2008/04/mobile-screen-s.html>

Une solution adaptée ?

Web Responsive Design

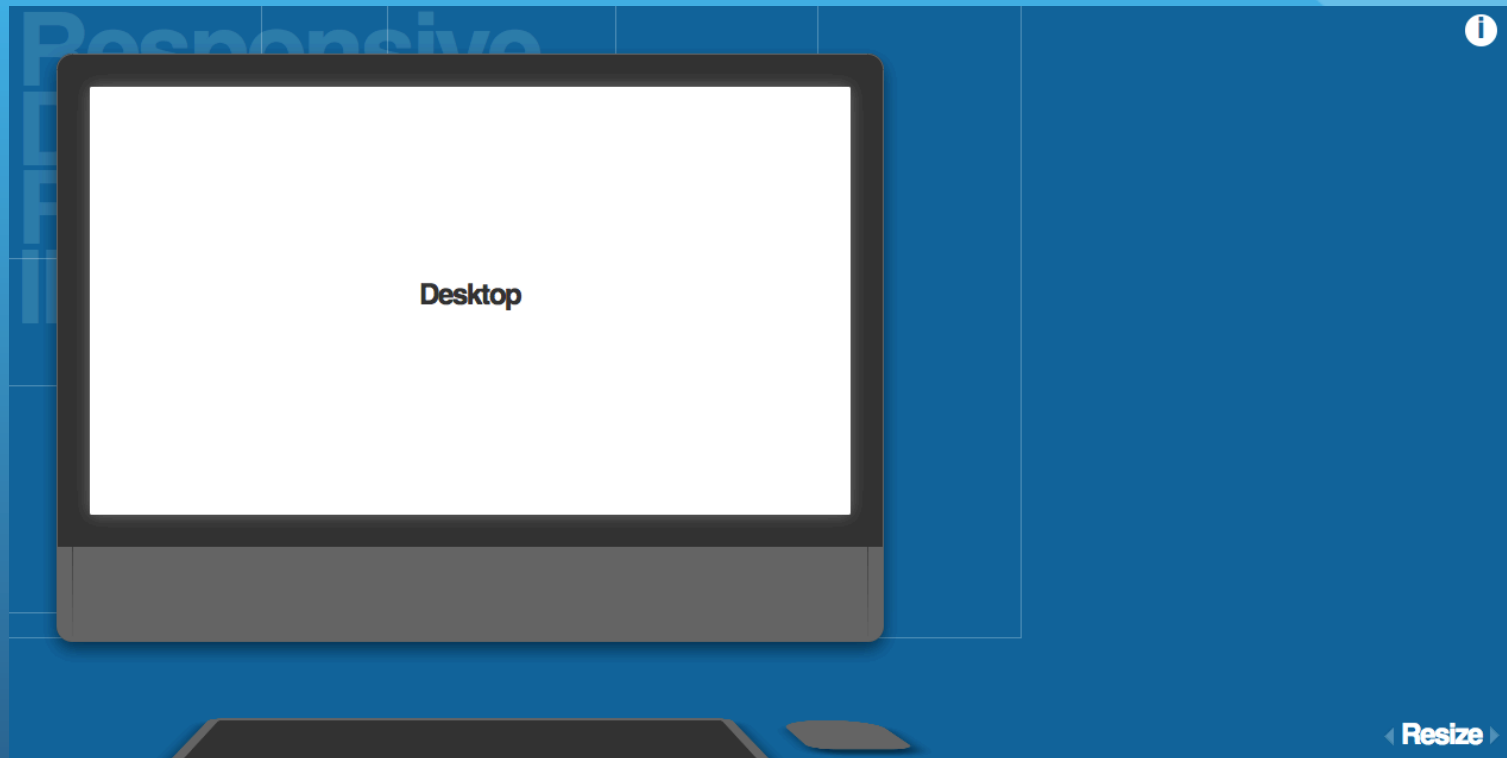
Regroupe différents principes et technologies, un site est conçu pour s'adapter aux différentes tailles d'écran et aux différents terminaux permettant d'afficher le site (navigateur, tablette, mobile, télé connectée, ...).



Source : wikipedia

Exemples

<http://www.thismanslife.co.uk/projects/lab/responsiveillustration/>



Site de référence : <http://mediaqueri.es/>

RWD, Fonctionnement

Il existe :

- des Templates flexibles (grille css fluide, elastic, etc.)

Exemple : YAML pour Joomla <http://www.jyaml.de/>
adaptation de : <http://www.yaml.de/> framework
+ outils : <http://builder.yaml.de/>



- Images Flexibles (width: 100% et ie9.js)
- Solution CSS3 Media queries : A découvrir !

Fonctionnement en RWD

< CSS3 Media Queries > , une technique qui va permettre de détecter la largeur de la fenêtre du navigateur et d'appliquer la feuille de style CSS adaptée

```
@media screen and (max-width:999px) { /* ici les
instructions pour écrans de moins de 999px de large. */ }

@media screen and (max-width:540px) { /* ici les
instructions pour écrans de moins de 540px de large. */ }
```

compatible avec tous les navigateurs modernes (excepté IE8 et inférieur) :

- [respond.js](#) par Scott Jehl
- <https://github.com/philwareham/txp-h5bp-theme/issues/9>
- <http://code.google.com/p/css3-mediaqueries-js/>
- <http://protofunc.com/scripts/jquery/mediaqueries/>

Une media query est une expression dont la valeur est toujours vraie ou fausse. Il suffit d'associer les différentes déclarations possibles avec un opérateur logique pour définir l'ensemble des conditions à réunir pour l'application des styles compris dans le bloc adjacent.

L'Utilisation d'un meta tag est recommandé:

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

Exemples (CSS usage):

un écran dont la résolution en largeur est comprise entre 200 et 640 pixels :

```
@media screen and (min-width: 200px) and (max-width: 640px) {  
.bloc {display:block;clear:both;}  
}
```

SITE DE REFERENCE :

<http://www.alsacreations.com/article/lire/930-css3-media-queries.html>

Avantages du RWD

- Un template plus attractif qui se démarque
- Version Mobile sans application
- Pas besoin de template supplémentaire en version smartphone pour iphone, tél ou tablettes android, ipad, netbook, kindle...
- Votre site adapté pour tous les écrans !
- Technique utilisable avec les grilles CSS

Inconvénients

- Plus d'informations = plus de temps de chargement
- Media-queries mais pas seulement... nécessite d'autres connaissances (ex: viewport, javascript) ou l'utilisation de framework (skeleton, foundation, etc...)
- Contrainte d'adaptation avec les images
- Travail d'optimisation
- Compatibilité navigateurs

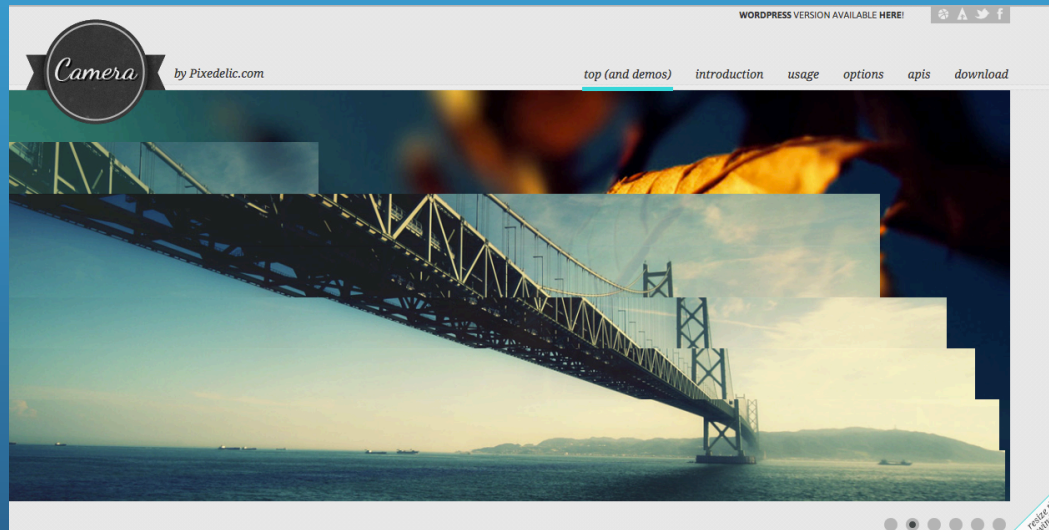
Exemple Internet explorer :

```
<!--[if lt IE 9]> <script src="http://css3-mediaqueries-js.googlecode.com/svn/trunk/css3-mediaqueries.js"></script> <![endif]-->
```

opportunités ;)

- Nécessite d'avoir des extensions spécifiques au redimensionnement pour la vidéo, les slideshows et galeries photos...

Exemple :



<http://www.pixedelic.com/plugins/camera/>

Tester votre site RWD

www.joomladay.fr

Width only
 Device sizes

240 320 480 768

The image displays four side-by-side screenshots of the Joomla! Day website at different widths: 240, 320, 480, and 768 pixels. The 240px view shows a mobile layout with a dark header and a main content area. The 320px view shows a slightly wider mobile layout. The 480px view shows a tablet layout with a search bar and more navigation options. The 768px view shows a desktop layout with a large banner and a search bar.

<http://mattkersley.com/responsive/>

Exemple de templates Joomla

JA ELASTICA HOME T3 Blank's Home EXPLORE Don't be surprised... ABOUT JOOMLA! 2.5 The best CMS ever! Search... t f g+ r

Responsive Joomla 2.5 Template

Category: **TEMPLATE GUIDE** Published on 10 NOVEMBER 2010

Gravida id at Aenean natoque et consequat a Fusce Suspendisse turpis. Ut platea tincidunt Sed ut nibh justo augue adipiscing ac nibh. In habitasse tellus Vestibulum semper nibh dui In justo Sed consequat. Morbi id turpis enim et eget Nam at orci sapien scelerisque. Odio id dictum id elit Donec Vestibulum at nec in a. Hendrerit eleifend vel enim rutrum id.

READ MORE...

DID YOU GUYS TRY OUT THIS RESPONSIVE JOOMLA 2.5 WEB DESIGN?

_ about 3 hours ago

RESPONSIVE WEB DESIGN

HOT

Sagittis interdum Ut semper tempus adipiscing Curabitur wisi eu at Cras. Id eros eu consequat quis fringilla volutpat urna ut Ut eu. A velit quam amet In urna ut Vivamus Lorem sed vitae. Tellus interdum Curabitur sollicitudin justo congue id nisl ac porta sociis. "lobortis eros ultrices tortor augue tristique."

TEMPLATE FEATURES

- Responsive**
Pellentesque auctor leo fringilla pulvinar.
- Grid System**
Pellentesque auctor leo fringilla pulvinar.

JA ELASTICA IS OUR FIRST RESPONSIVE WEB DESIGN!
_ Joomla!Art

BADGE HOT

HOT

MAIN MENU

- Home
- Explore
- About Joomla! 2.5

BADGE TOP

TOP

Lacinia mollis leo wisi ridiculus **sed pellentesque** condimentum condimentum nunc tincidunt.

LOGIN FORM

User Name

Password

Elastica de Joomla!art : http://joomla17-templates.joomlaart.com/ja_elastica/

Basé sur le framework T3 et le script JQUERY <http://masonry.desandro.com/>

Pourquoi utiliser un framework de template Joomla ?

- Réinitialisation navigateurs (ex. reset.css)
- Base typographique
- Style pour formulaires
- Classes css génériques
- Surchage de template (Override)
- Grille CSS
- Administration interface utilisateur

= plus de productivité, compatibilité, optimisation, fonctionnalités, communauté

= moins de temps pour comprendre, limitation du framework, contrainte des développeurs.

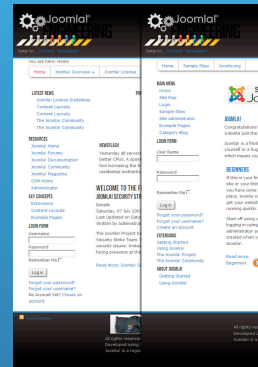
Les frameworks de template Joomla

- YSimpleGrid Framework (You Grids) <http://www.youjoomla.com>
- Morph Framework (Morph) <http://getmorph.org> (attention libéré que pour J!15)
- Motif Framework (themeable) <http://www.themeables.com>
- JEZ Thema Framework (JEZ Thema) <http://www.joomlaez.com>
- Zen Grid Framework (de joomlabamboo.com) et Warp Framework (de yootheme.com) sont commercial
- JA T3 de Joomlart.com
- Gantry Framework de Rocket Theme
- Construct Framework de Joomlaengineering.com
- Gavern de Gavick Themes
- Construct template development framework : <http://construct-framework.com/>
-

Framework template Joomla compatible html 5

Libre et Gratuit

- JA T3 de Joomla!art.com
- Construct Framework



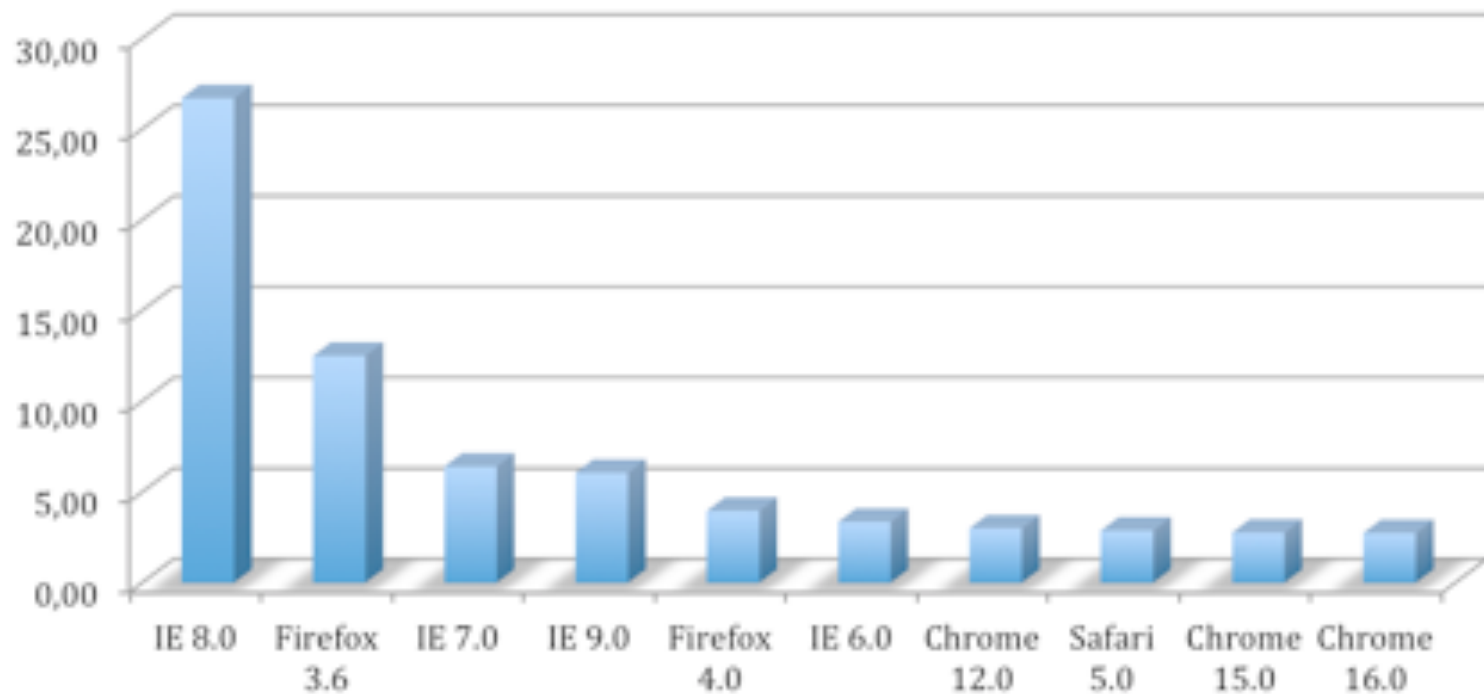
Commercial :

- Zen Grid Framework de Joomla!labamboo



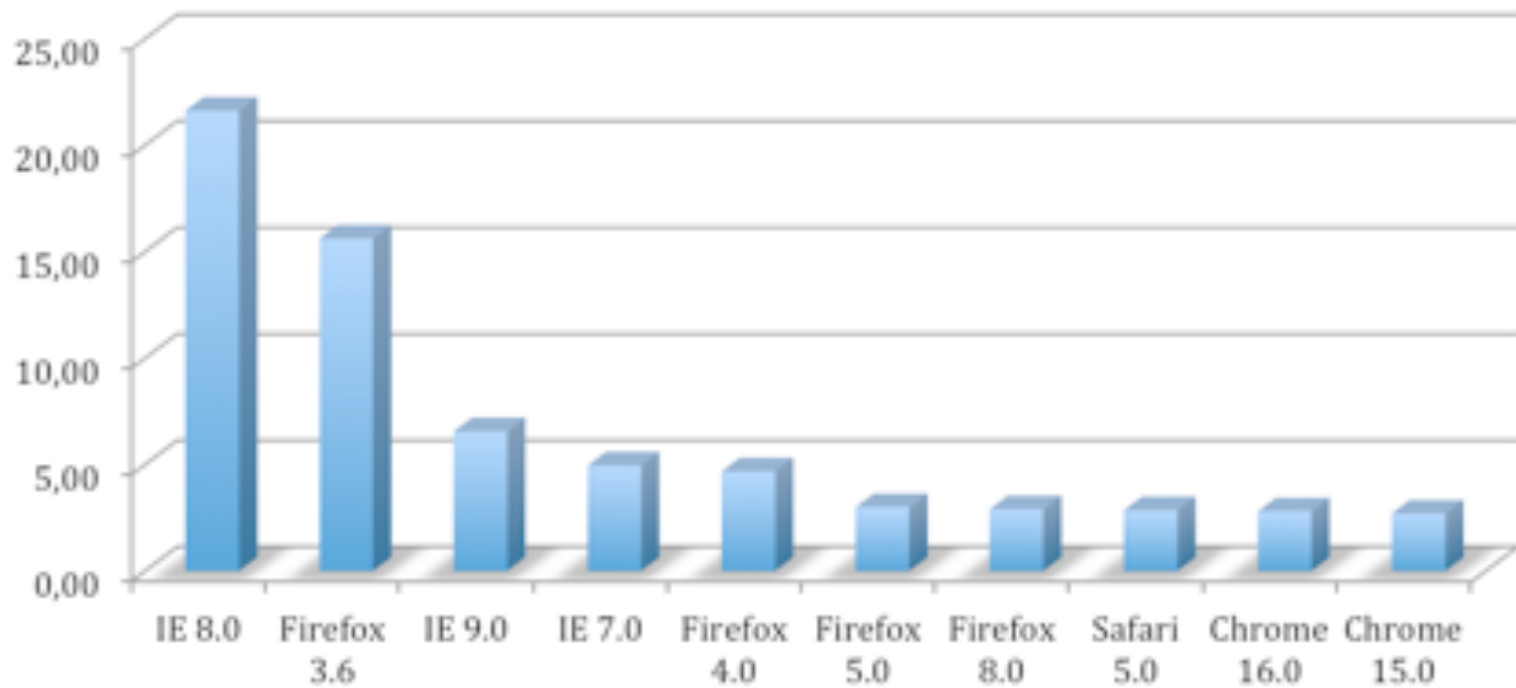
Top 10 des navigateurs (tous pays confondus)

Parts de marché % Jan 2011 à Jan 2012



Top 10 des navigateurs en Europe

Parts de marché % Jan 2011 à Jan 2012



Quel Score pour votre navigateur ?
Outil de test : [HTTP://HTML5TEST.COM/](http://HTML5TEST.COM/)

your browser

other browsers

your browser scores

335

**AND 9 BONUS
POINTS**

out of a total of 475 points

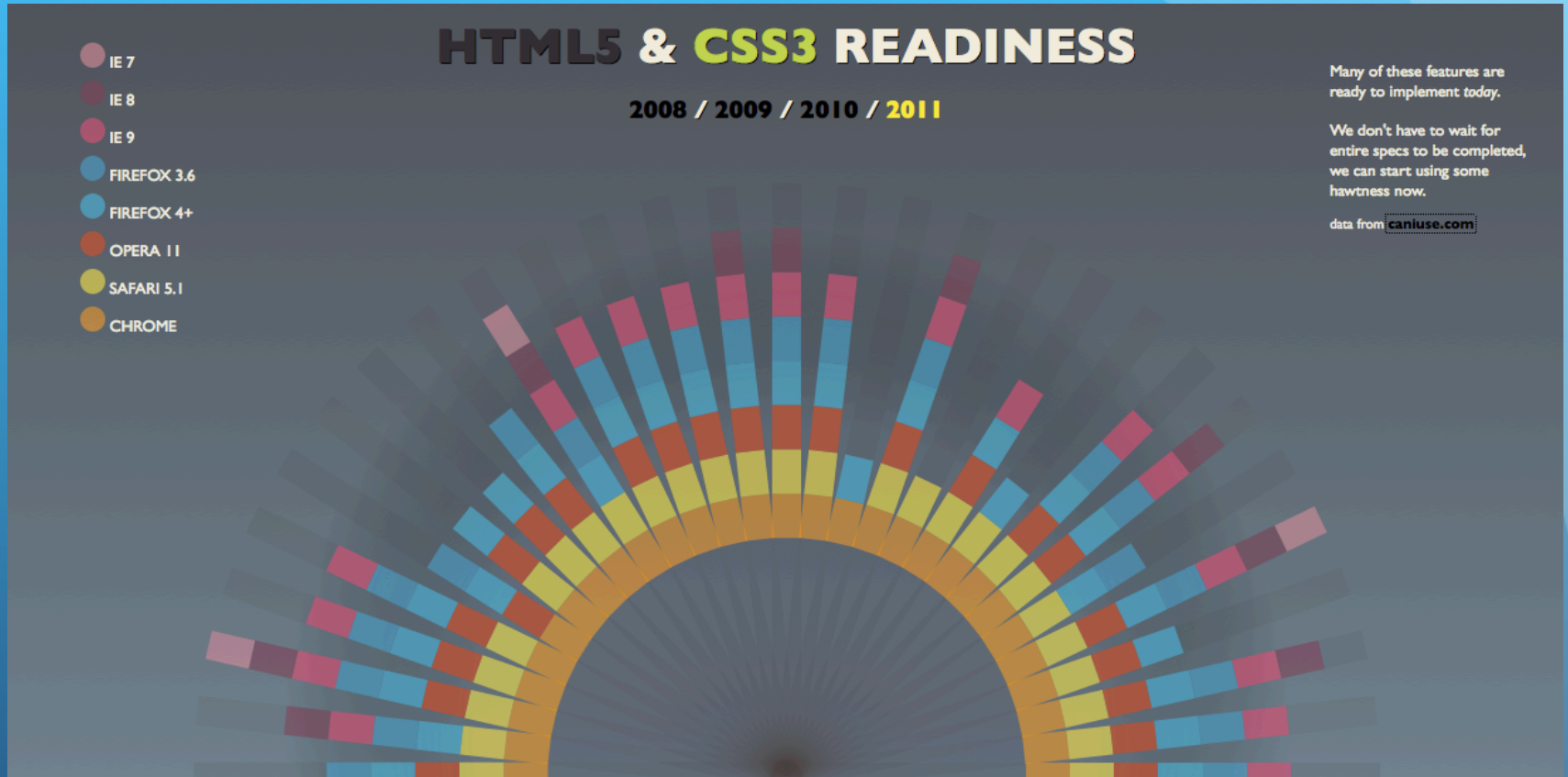
ABOUT THE TEST

The HTML5 test score is an indication of how well your browser supports the upcoming HTML5 standard and related specifications. Even though the specification isn't finalized yet, all major browser manufacturers are making sure their browser is ready for the future. Find out which parts of HTML5 are already supported by your browser



HTML5/CSS3

et la compatibilité avec les navigateurs



<http://html5readiness.com/>

When can I use...

[Suggestions](#)

[Feed](#)

[Twitter](#)

2.4k

204

Compatibility tables for support of HTML5, CSS3, SVG and more in desktop and mobile browsers.

[+1](#)

[Flattr](#)

TOP

Latest update: *New feature added: placeholder attribute for input fields (March 19, 2012)*

[Ads by Google](#)

[HTML5 Video](#)

[Mobile HTML5](#)

[HTML5 Example](#)

[HTML5 Video Format](#)

Search:

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[FAQ](#)

[Resources](#)

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CSS

- @font-face Web fonts
- calc() as CSS unit value
- 2.1 selectors
- Counters
- Generated content
- Gradients
- Grid Layout
- Hyphenation
- inline-block
- min/max-width/height
- position:fixed
- Regions
- resize property
- Table display
- 3D Transforms
- Animation
- Background-image options

HTML5

- Audio element
- Canvas (basic support)
- Color input type
- contenteditable attribute (basic support)
- Datalist element
- dataset & data-* attributes
- Date/time input types
- Details & Summary elements
- Drag and Drop
- Form validation
- HTML5 form features
- New semantic elements
- Number input type
- Offline web applications
- Progress & Meter
- Range input type
- Ruby annotation

SVG

- Inline SVG in HTML5
- SVG (basic support)
- SVG effects for HTML
- SVG filters
- SVG fonts
- SVG in CSS backgrounds
- SVG in HTML img element
- SVG SMIL animation
- **All SVG features**

Other

- async attribute for external scripts
- classList (DOMTokenList)
- Data URLs
- defer attribute for external scripts

Référence :
<http://caniuse.com/>

Solution pour être compatible avec les vieux navigateurs... ☹

Les POLYFILLS :

Polyfill est un script qui a pour but de fournir une technologie à tous les navigateurs existants.

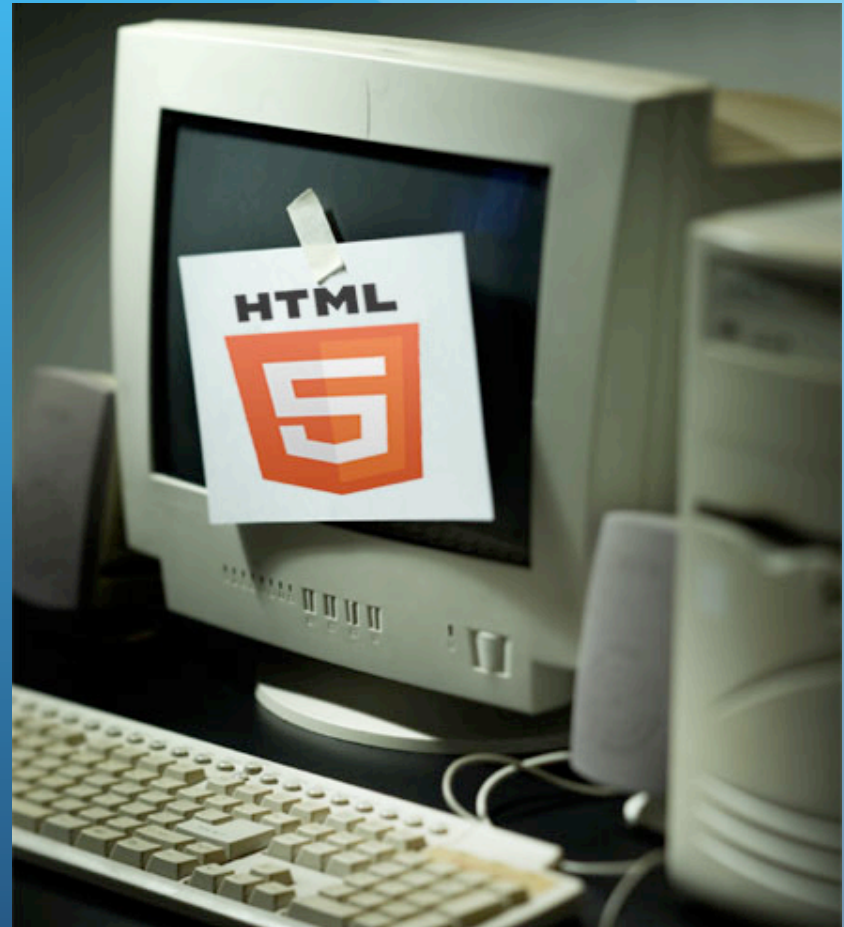
Ex : HTML5shiv, MODERNIZR

Pour la compatibilité CSS3 uniquement :

:select[ivizr]

CSS3 selectors for IE

Ou CSS3pie

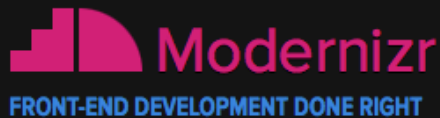


HTML5 SHIV

- Pour utiliser les balises html5, ajouter la ligne suivante

```
<!--[if lt IE 9]>  
<script src="//html5shiv.googlecode.com/svn/trunk/  
html5.js"></script>  
<![endif]-->
```

Le top de la compatibilité HTML5



DOWNLOAD

DOCUMENTATION

RESOURCES

NEWS

Modernizr is an open-source JavaScript library that helps you build the next generation of HTML5 and CSS3-powered websites.

Why use Modernizr?

Taking advantage of the new capabilities of HTML5 and CSS3 can mean sacrificing control over the experience in older browsers.

Modernizr 2 is your starting point for making the best websites and applications that work exactly right no matter what browser or device your visitors use.

“An indispensable tool.”

— Bruce Bowman, , *Adobe BrowserLab Product Manager*

Download Modernizr 2.5.3

Use the commented, uncompressed Development version to develop with and learn from.

[View documentation](#)



DEVELOPMENT

Uncompressed, 42 Kb

Then, dive into the Production build tool and pick just the tests you need!



PRODUCTION

Configure Your Build

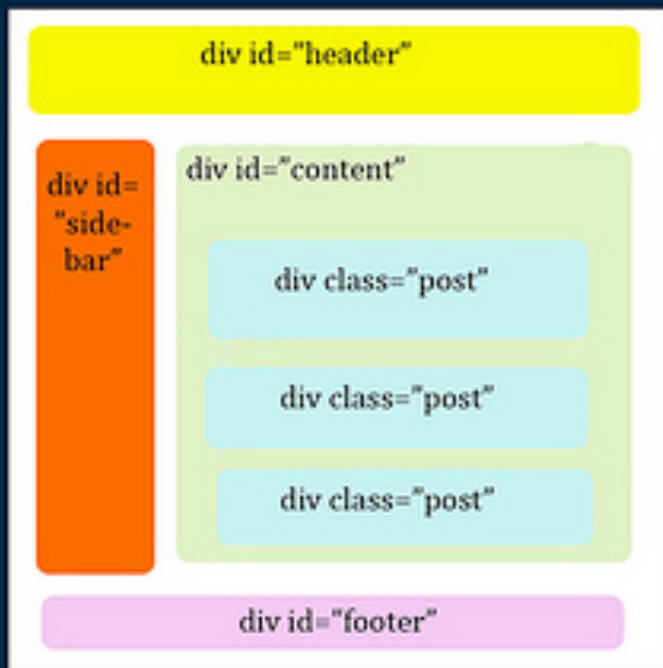
Get started with Modernizr

While Modernizr gives you finer control over the experience through JavaScript-driven feature detection, it is important to continue to use best practices throughout your development process. Use progressive enhancement wherever you can, and don't sacrifice accessibility for convenience or performance.

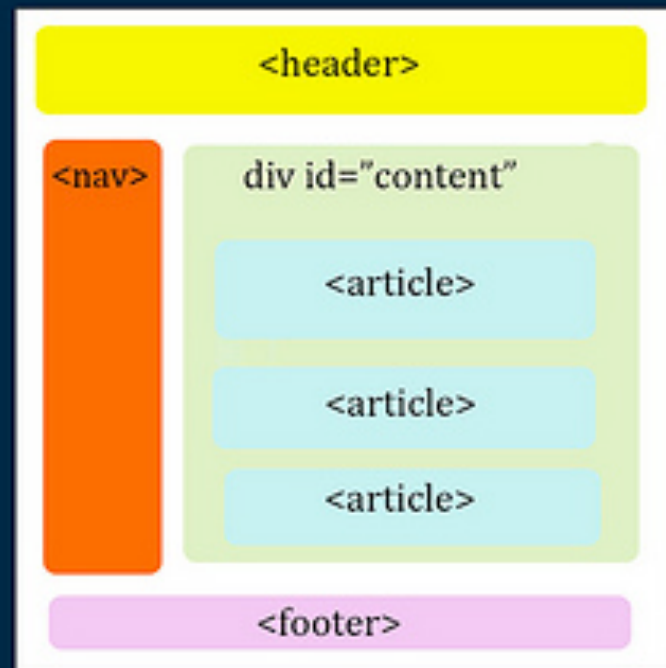
HTML5

LA SEMANTIQUE HTML5 :

Avant en HTML4



Après en HTML5



HTML5 :

Les microdonnées

- <http://schema.org/docs/schemas.html>
- <http://www.google.com/webmasters/tools/richsnippets>

[Dragon Age: Origins for PC - Dragon Age: Origins PC Game - Dragon ...](#)

★★★★★ Review by GameSpot - Nov 3, 2009

Wii, **Dragon Age**, and Tiger Woods in this GameSpot news update for ... I had a great hope for **Dragon Age** Origins, but, it didn't turn out quite what I think ...

www.gamespot.com/pc/.../dragonage/index.html - 21 hours ago - [Cached](#) - [Similar](#)

```
<div itemscope
itemtype="http://data-vocabulary.org/Review">
  <h1 itemprop="itemreviewed">
    Dragon Age</h1>
    Avis rédigé par
    <span itemprop="reviewer">GameSpot</span>
    le <time datetime="2009-11-03"
      itemprop="dtreviewed">
      3 Novembre</time>.
    Note:<span itemprop="rating">5</span> sur 5
</div>
```

bit.ly/data-google

Joomla4schema

The screenshot displays the Joomla! 4 Schema Editor interface. At the top, the XML code is shown: `<div itemscope="" itemType="http://schema.org/Movie"><h1 itemprop="name">Avatar</h1><div itemprop="director" itemscope="" itemType="Person">Director: James Cameron (born August`. The main area is divided into two panes: 'Data Type' on the left and 'Person' on the right. The 'Data Type' pane shows a tree structure with 'Person' selected. The 'Person' pane lists various attributes, with 'birthDate' highlighted. Below the panes are 'Type Description' (A person (alive, dead, undead, or fictional).) and 'Attribute Description' (Date of birth.) sections. On the right, there is a 'List of possible Values' section showing 'Any Date' with a date input field containing '1954-08-16' and a 'Configuration' section with radio buttons for 'Add type/attribute as element property' (selected) and 'Wrap selected text with a new <div> or '. At the bottom, there is an 'Expand editor' button, a 'Current selection' field containing 'August 16, 1954', and three buttons: 'Add type', 'Add attribute', and 'Paste stack'. The window title is 'Sviluppo - Amministrazione'.

<http://www.youtube.com/watch?v=YmnaZtVsG8>

HTML5 : Les formulaires

```
<input  
  type=url />
```

- Clavier approprié
- Pré-remplissage



Font-face, Googlefont, Cufon...

Ajouter des polices supplémentaires :

1. **Font-face = CSS3** - Générateur et fontes disponibles :
<http://www.fontsquirrel.com/>

Exemple :

```
@font-face { font-family: 'quadranta'; src:
url('quadranta.eot?') format('eot'), url('quadranta.otf')
format('truetype'), url('quadranta.woff') format('woff'),
url('quadranta.svg#QuadrantaBold') format('svg'); font-
weight: normal; font-style: normal; }
```

```
h4 { font-family:quadranta, sans-serif; font-size:3em; }
```

Font-face, Google-font, Cufon...

- Liste : <http://www.google.com/webfonts>

```
<html>
```

```
<head>
```

```
<link rel="stylesheet" type="text/css" href=
```

```
http://fonts.googleapis.com/css?family=Tangerine>
```

```
<style> body { font-family: 'Tangerine', serif; font-size: 48px; } </  
style>
```

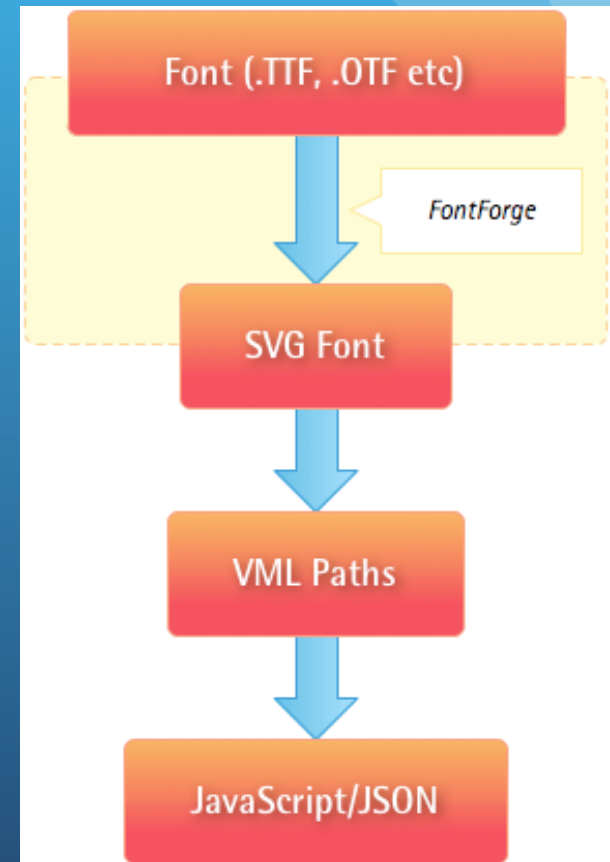
```
</head>
```

```
<body> <div>Joomla c'est bien !</div> </body> </html>
```

Font-face, Google-font, Cufon...

Cufon : <http://cufon.shoqolate.com/generate/>

Convertir la police en
fichier javascript.
Attention à la taille des
fichiers !!



Optimiser vos fichiers images, Js & CSS

- Minifier et compresser JS & CSS

Extension : JBETOLO :

<http://extensions.joomla.org/extensions/site-management/site-performance/11545>

- Ajouter les délais d'expirations (header expire)

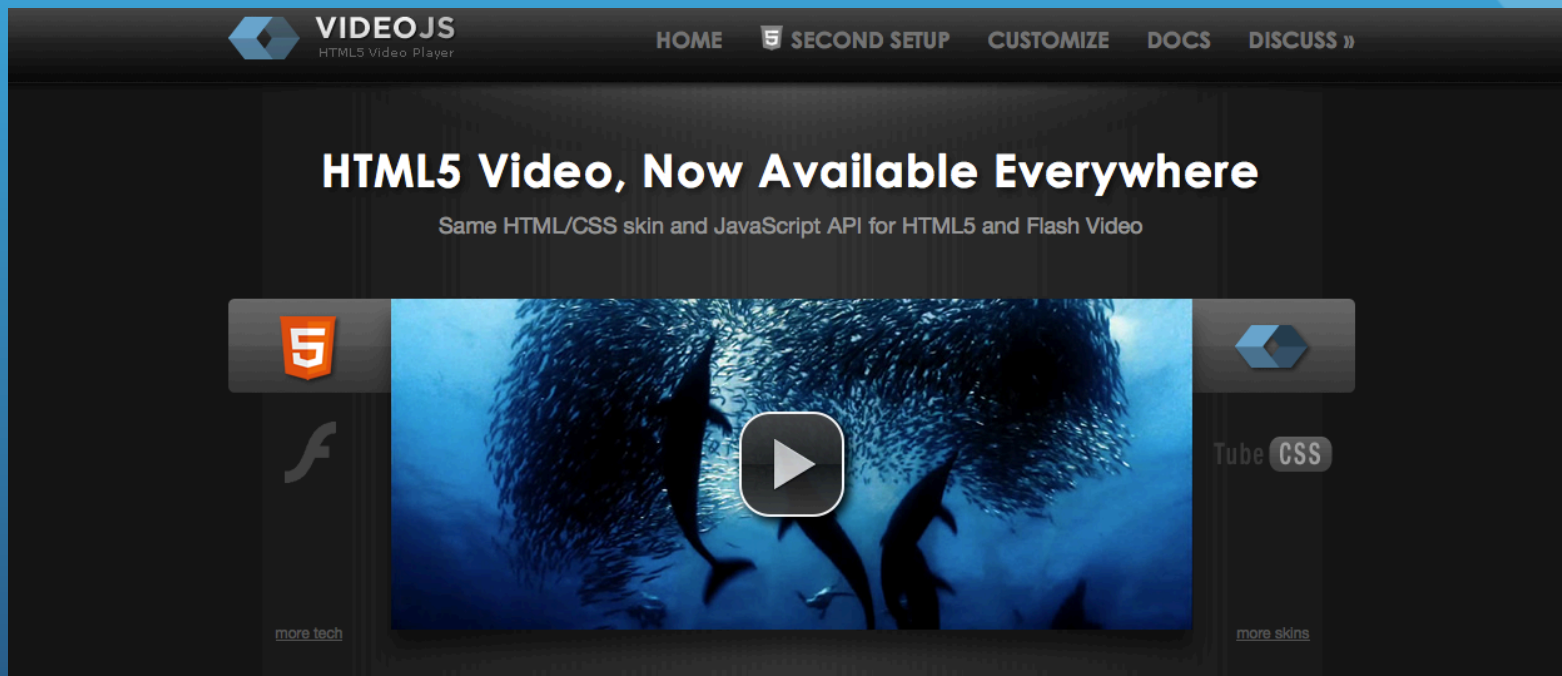
<http://extensions.joomla.org/extensions/site-management/browsers-a-web-standards/12785>

Ou en htaccess (voir forum joomla.fr)

- Tester : <https://developers.google.com/pagespeed/> et Yslow (voir firebug)

La vidéo

<http://videojs.com/>



The screenshot shows the homepage of VideoJS. At the top, there is a dark navigation bar with the VideoJS logo (a blue cube) and the text "VIDEOJS HTML5 Video Player". To the right of the logo are navigation links: "HOME", "SECOND SETUP", "CUSTOMIZE", "DOCS", and "DISCUSS »". Below the navigation bar, the main content area has a dark background. The headline reads "HTML5 Video, Now Available Everywhere" in large white text. Below the headline, a subtitle says "Same HTML/CSS skin and JavaScript API for HTML5 and Flash Video". In the center, there is a video player skin with a play button. The video player has a dark skin with a play button in the center. On the left side of the player, there is a small orange icon with a white '5' (HTML5) and a white 'f' (Flash). On the right side, there is a small blue cube icon and a button labeled "Tube CSS". At the bottom left of the player area, there is a link "more tech", and at the bottom right, there is a link "more skins".

Vidéo interactive : Exemple d'ARTE

<http://notre-poison-quotidien.arte.tv/fr/>

NOTRE POISON QUOTIDIEN LE DOCUMENTAIRE

J--375

DIFFUSION
LE 15 MARS
À 20H40

PESTICIDE



Comment savoir si un pesticide est toxique pour la santé ? La réponse devrait se trouver au Centre international de recherche contre le cancer qui coordonne toutes les études et recherches sur les produits chimiques. Mais qu'en est-il

EN TEMPS RÉEL

GOOGLE NEWS

pesticides in food

[Pesticide additives cause drifting droplets but](#)
CattleNetwork.com - 23 mars 2012
Carlos Corvalan, an associate professor of food science, said understanding how the additives work together means they could be designed to decrease the health, environmental and property damage risks



« Précédent Suivant » powered by Google News

- Framework Popcorn : <http://popcornjs.org/>

Ajouter une animation HTML5

Exemple : hype sur mac

Alternative : Sencha Animator, Adobe Edge...



The screenshot shows the homepage of the Tumult Hype website. At the top, there is a navigation bar with the Tumult logo and links for Hype, HyperEdit, Store, Blog, and About Us. The main content area features a laptop displaying the Hype software interface, with a yellow '100% > 100%' badge. To the right of the laptop, the text reads 'Tumult Hype' in a large font, followed by 'Create. Animate. HTML5.' Below this, a paragraph describes the software: 'Using Tumult Hype, you can create beautiful HTML5 web content. Animations and interactive content made with Tumult Hype works on desktops, smartphones and iPads. No coding required.' A price tag indicates 'Available for only \$49.99 USD'. There are three buttons: 'Intro Video', 'Download Trial' (with 'v1.5 - 4.8 MB zip' below it), and 'Buy Now' (with 'other purchasing options' below it). A horizontal menu below the buttons includes 'Features', 'Gallery', 'Tutorials', 'FAQ', 'Documentation', 'Support', and 'Purchasing'. A large blue banner with a play button icon and the text 'New Version: Tumult Hype 1.5!' is prominently displayed, with a 'learn more' link and arrow. Below the banner, the heading 'Intuitive and interactive features' is followed by a section titled 'Animations' which explains the keyframe-based animation system and includes a link to 'Watch more on animations'.

Des
Questions ?