modernizr

http://modernizr.com

What is it?

Modernizr is "A JavaScript library that detects HTML5 and CSS3 features in the user's browser."

What's the matter?

HTML5 and CSS3 are great, but many of the new features they have are not much applicable in old browsers.

same page on different browsers

Firefox 36.0.1

Questo div ha gli angoli arrotondati

Internet Explorer 7

Questo div ha gli angoli arrotondati

Modernize our page

Download modernizr

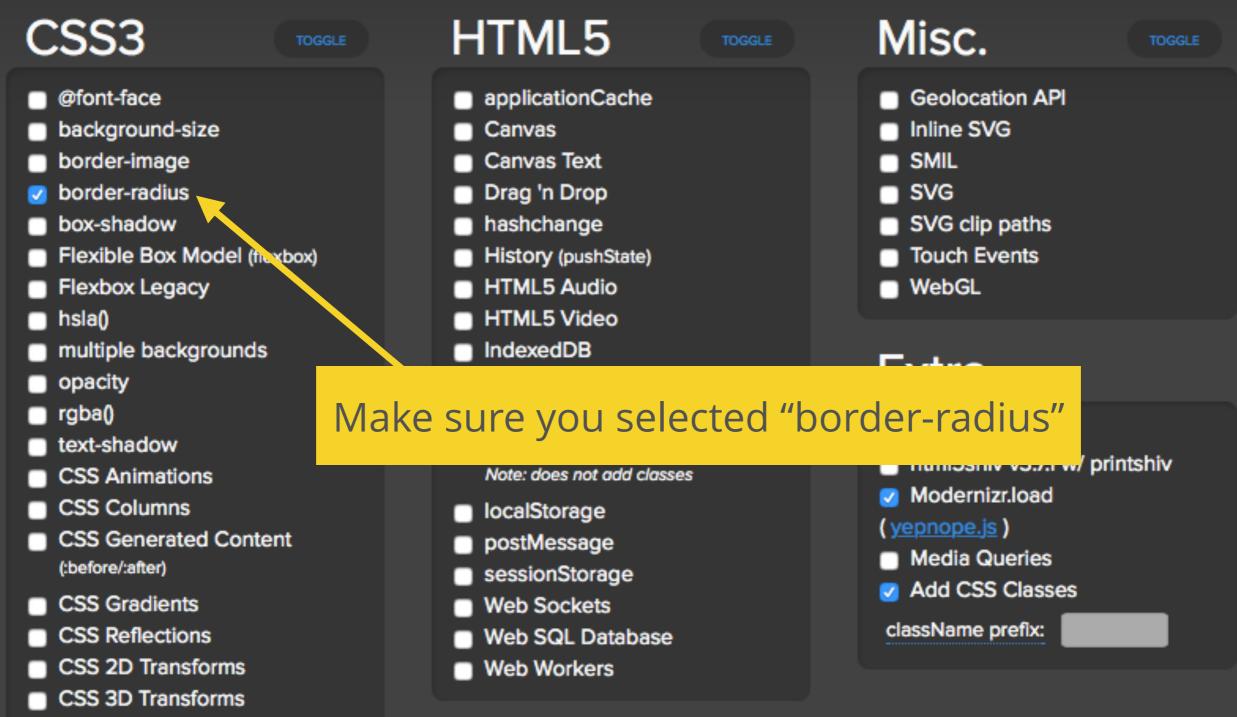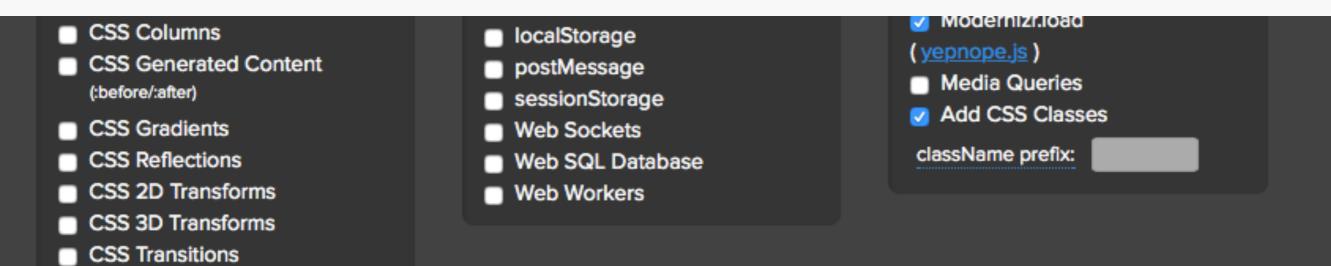http://modernizr.com/download

Download Modernizr 2.8.3

Use the [Development version](#) to develop with and learn from. Then, when you're ready for production, use the build tool below to pick only the tests you need.

CSS3 TOGGLE

- ☐ @font-face
- ☐ background-size
- ☐ border-image
- ☑ border-radius
- ☐ box-shadow
- ☐ Flexible Box Model (flexbox)
- ☐ Flexbox Legacy
- ☐ hsla()
- ☐ multiple backgrounds
- ☐ opacity
- ☐ rgba()
- ☐ text-shadow
- ☐ CSS Animations
- ☐ CSS Columns
- ☐ CSS Generated Content (:before/:after)
- ☐ CSS Gradients
- ☐ CSS Reflections
- ☐ CSS 2D Transforms
- ☐ CSS 3D Transforms
- ☐ CSS Transitions

HTML5 TOGGLE

- ☐ applicationCache
- ☐ Canvas
- ☐ Canvas Text
- ☐ Drag 'n Drop
- ☐ hashchange
- ☐ History (pushState)
- ☐ HTML5 Audio
- ☐ HTML5 Video
- ☐ IndexedDB

Note: does not add classes

- ☐ localStorage
- ☐ postMessage
- ☐ sessionStorage
- ☐ Web Sockets
- ☐ Web SQL Database
- ☐ Web Workers

Misc. TOGGLE

- ☐ Geolocation API
- ☐ Inline SVG
- ☐ SMIL
- ☐ SVG
- ☐ SVG clip paths
- ☐ Touch Events
- ☐ WebGL

Extra

- ☐ html5shiv v3.7.1 w/ printshiv
- ☑ Modernizr.load ([yepnope.js](#))
- ☐ Media Queries
- ☑ Add CSS Classes

className prefix: [   ]

> Make sure you selected "border-radius"

Click on GENERATE!

Copy the generated code

```
/* Modernizr 2.8.3 (Custom Build) | MIT & BSD
 * Build: http://modernizr.com/download/#-geolocation-shiv-cssclasses-load
 */
;window.Modernizr=function(a,b,c){function u(a){j.cssText=a}function v(a,b){return
u(prefixes.join(a+";")+(b||""))}function w(a,b){return typeof a===b}function x(a,b){return!!~
(""+a).indexOf(b)}function y(a,b,d){for(var e in a){var f=b[a[e]];if(f!==c)return d===!1?
a[e]:w(f,"function")?f.bind(d||b):f}return!1}var d="2.8.3",e=
{},f=!0,g=b.documentElement,h="modernizr",i=b.createElement(h),j=i.style,k,l={}.toString,m=
{},n={},o={},p=[],q=p.slice,r,s={}.hasOwnProperty,t;!w(s,"undefined")&&!w(s.call,"undefined")?
t=function(a,b){return s.call(a,b)}:t=function(a,b){return b in
a&&w(a.constructor.prototype[b],"undefined")},Function.prototype.bind||
(Function.prototype.bind=function(b){var c=this;if(typeof c!="function")throw new
TypeError;var d=q.call(arguments,1),e=function(){if(this instanceof e){var a=function()
{};a.prototype=c.prototype;var f=new a,g=c.apply(f,d.concat(q.call(arguments)));return
Object(g)===g?g:f}return c.apply(b,d.concat(q.call(arguments)))};return
e}),m.geolocation=function(){return"geolocation"in navigator};for(var z in m)t(m,z)&&
(r=z.toLowerCase(),e[r]=m[z](),p.push((e[r]?"":"no-")+r));return e.addTest=function(a,b)
{if(typeof a=="object")for(var d in
```

Paste the code in a .js file

Import the .js file into the HTML
and add **"no-js"** class to the **<html>** tag.

```html
<!doctype html>
<html class="no-js">
<head>
    <meta charset="utf-8">
    <title>Prova</title>
    <script src="js/modernizr.js"></script>
    <link rel="stylesheet" type="text/css" href="css/stile.css">
</head>
<body>

    <div id="pippo">
        Questo div ha gli angoli arrotondati se il browser supporta il border-radius
        Altrimenti avrà lo sfondo rosa
    </div>

</body>
</html>
```

Modernizr will generate several classes depending on the browser capability

For instance, if the browser does not support CSS3 border-radius, then Modernizr will generate the
"no-borderradius" class.

modify the css

```css
#pippo {
    height: 300px;
    width: 500px;
    padding: 50px;
    font-size: 30px;
}

.borderradius #pippo {
    background-color: orange;
    border-radius: 50px;
}

.no-borderradius #pippo {
    background-image: url(../immagini/sfondo_div.jpg);
}
```

result on all browser!

Questo div ha gli angoli arrotondati

normalize.css

https://github.com/necolas/normalize.css/

What is it?

Normalize.css is a customizable CSS file that makes browsers render all elements more consistently and in line with modern standards.

What does it do?

- Preserves useful defaults, unlike many CSS resets.
- Normalizes styles for a wide range of elements.
- Corrects bugs and common browser inconsistencies.
- Improves usability with subtle improvements.
- Explains what code does using detailed comments.

Browser support

- Google Chrome (latest)
- Mozilla Firefox (latest)
- Mozilla Firefox ESR
- Opera (latest)
- Apple Safari 6+
- Internet Explorer 8+

[UI tests]

Normalize our page

Download normalize.css

https://cdnjs.com/libraries/normalize

and import it in your html page