WHAT ARE THE OPTIONS?

RESPONSIVE IMAGES
ONCE UPON A TIME
Les Horribles Cernettes

THE FIRST PHOTO ON THE WEB

YOUTUBE
World Wide Web

The WorldWideWeb (W3) is a wide-area hypermedia information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an executive summary of the project, Mailing lists, Policy, November’s W3 news, Frequently Asked Questions.

What’s out there?
Pointers to the world’s online information, subjects, W3 servers, etc.

Help
on the browser you are using

Software Products
A list of W3 project components and their current state. (e.g. Line Mode, X11, Viola, NeXTStep, Servers, Tools, Mail robot, Library)

Technical
Details of protocols, formats, program internals etc

Bibliography
Paper documentation on W3 and references.

People
A list of some people involved in the project.

History
A summary of the history of the project.

How can I help?
If you would like to support the web.

Getting code
Getting the code by anonymous FTP, etc.
1990

1995

SMALL IMAGES
HUGE IMAGES
**FLEXIBLE IMAGES**

```html
img {
  max-width: 100%;
}
```

**DEMO**

H: 640px
W: 640px
RESPONSIVE IMAGES

BACKGROUND IMAGE

.box {
  background: url("frida.jpg") no-repeat;
}

DEMO
RESPONSIVE IMAGES

BACKGROUND IMAGE

.box {
  background: url("frida.jpg") no-repeat;
  background-size: 640px 900px;
}

RESPONSIVE IMAGES

BACKGROUND IMAGE

.box {
    background: url("frida.jpg") no-repeat;
    background-size: 640px auto;
}

RESPONSIVE IMAGES

BACKGROUND IMAGE

.box  {
    background: url("frida.jpg") no-repeat;
    background-size: 50% 50%;
}

DEMO
Responsive Images

BACKGROUND IMAGE ON PREVIOUS VERSIONS OF IE

```html
<!DOCTYPE html>
<!--[if IE]><![endif]-->
<!--[if lt IE 9]> <html class="oldie ie"> <![endif]-->
<!--[if IE 9]> <html class="ie ie9"> <![endif]-->
<!--[if gt IE 9]> <html class="ie"> <![endif]-->
<!--[if !IE]><!--> <html><!-->

.box {
    background: url("frida.jpg") no-repeat;
    background-size: 50% 50%;
}

.oldie .box {
    background-image: url("frida-noresize.jpg");
}
```
RESPONSIVE IMAGES

BACKGROUND-SIZE: CONTAIN

.box {
    background: url(“frida.jpg”) no-repeat;
    background-size: contain;
}

DEMO
RESPONSIVE IMAGES

BACKGROUND-SIZE: COVER

.box {
  background: url("frida.jpg") no-repeat;
  background-size: cover;
}

DEMO
BACKGROUND-SIZE: COVER

.box {
  background: url("frida.jpg") no-repeat;
  background-size: cover;
  background-position: center, center;
  height: 600px;
}

DEMO
PERFORMANCE, DELIVERY AND DESIGN
RESPONSIBLE RESPONSIVE | SRCSET

```html
<img srcset="cat.jpg 1440w,
cat-medium.jpg 720w,
cat-small.jpg 360w" src="cat.jpg"
alt="An illustration of a cat"/>
```
RESPONSIBLE RESPONSIVE | SRCSET

&lt;img srcset="cat.jpg 1440w, cat-medium.jpg 720w, cat-small.jpg 360w" src="cat.jpg" sizes="100vw" alt="An illustration of a cat"/&gt;
<img srcset="cat.jpg 1440w, 
cat-medium.jpg 720w, 
cat-small.jpg 360w" src="cat.jpg" sizes="(min-width: 800px) 50vw, 100vw" alt="An illustration of a cat"/>
RESPONSIBLE RESPONSIVE | SRCSET

<picture>
  <source media="(min-width: 1024px)"
  srcset="cat-1x.jpg 1x, cat-2x.jpg 2x, cat-3x.jpg 3x">
  <img src="cat-crop-1x.jpg" alt="An illustration of a cat"
  srcset="crop-2x.jpg 2x, crop-3x.jpg 3x">
</picture>
RESPONSIBLE RESPONSIVE | SVG

<picture>
  <source srcset="logos/cibc.svg" type="image/svg+xml" />
  <img src="/logos/cibc.png" alt="CIBC" />
</picture>
RESPONSIVE IMAGES

RESOURCES

BOOKS

- Responsive Design Patterns & Principles - Ethan Marcotte
- Responsive Web Design - Ethan Marcotte
- HTML & CSS - Jon Duckett
- HTML5 for Web Designers - Jeremy Keith & Rachel Andrew

ONLINE

- Responsive images: if you’re just changing resolutions, use srcset
  CSS Tricks - Chris Coyier
- Background-size
  Codrops
- Responsive Images Community Group
- Responsive Images: Use Cases and Documented Code Snippets to Get You Started
  Dev.Opera - Andreas Bovens