

Images on websites

GIF
JPG
PNG

JPEG

- Joint Photographic Experts Group
- Best used for photographs
- Up to 16.7 million colors
- Use lossy compression
- Cannot be animated
- Cannot be made transparent



GIF



Background
color
configured to
be transparent

Background
color – no
transparency

- Graphics Interchange Format
- Best used for line art and logos
- Maximum of 256 colors
- One color can be configured as transparent
- Can be animated
- Uses lossless compression

- Portable Network Graphic
- Support millions of colors
- Support multiple levels of transparency
*(but most browsers do not --
so limit to one transparent color for Web display)*
- Support interlacing
- Use lossless compression
- Combines the best of GIF & JPEG
- Browser support is growing

HTML Image Element

- Configures graphics on a web page

```

```

- src Attribute
 - File name of the graphic
- alt Attribute
 - Configures alternate text description



Background images

Using CSS to display images

Images in HTML vs Images CSS

Images in HTML

- Images that are part of the content belong in the HTML
- Use the HTML: `` element

Images in CSS

- Images used for style, decoration (eye-candy) or otherwise “not content” belong in the CSS as background images
- Use the CSS property: `background-image: url(“...”);`

CSS background-image Property

- Configures a background-image
- By default, background images tile (repeat)

```
body {  
    background-image: url(../images/clouds.jpg);  
}
```

Pets

[Home](#)[Cats](#)[Dogs](#)[Fish](#)[Bears](#)

Fish

A fish is any member of a paraphyletic group of organisms that consist of all gill-bearing aquatic craniate animals that lack limbs with digits. Included in this definition are the living hagfish, lampreys, and cartilaginous and bony fish, as well as various extinct related groups. Most fish are ectothermic ("cold-blooded"), allowing their body temperatures to vary as ambient temperatures change, though some of the large active swimmers like white shark and tuna can hold a higher core temperature. [1][2] Fish are abundant in most bodies of water. They can be found in nearly all aquatic environments, from high mountain streams (e.g., char and gudgeon) to the abyssal and even hadal depths of the deepest oceans (e.g., gulpers and anglerfish). At 32,000 species, fish exhibit greater species diversity than any other group of vertebrates.



Fish are an important resource for humans worldwide, especially as food. Commercial and subsistence fishers hunt fish in wild fisheries (see fishing) or farm them in ponds or in cages in the ocean (see aquaculture). They are also caught by recreational fishers, kept as pets, raised by fishkeepers, and exhibited in public aquaria. Fish have had a role in culture through the ages, serving as deities, religious symbols, and as the subjects of art, books and movies.

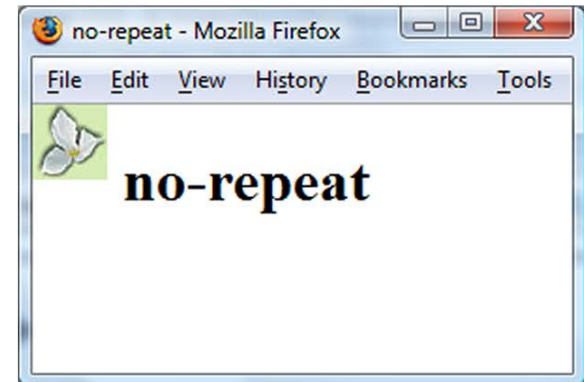
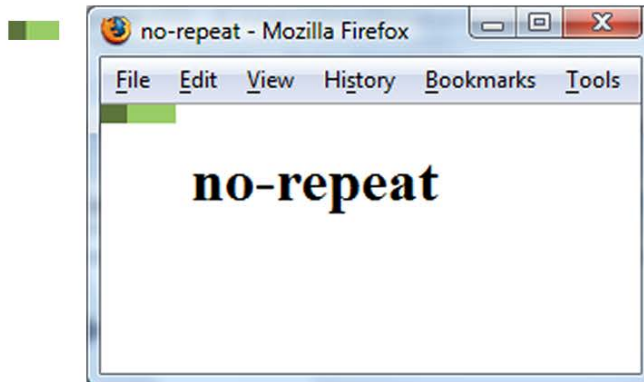
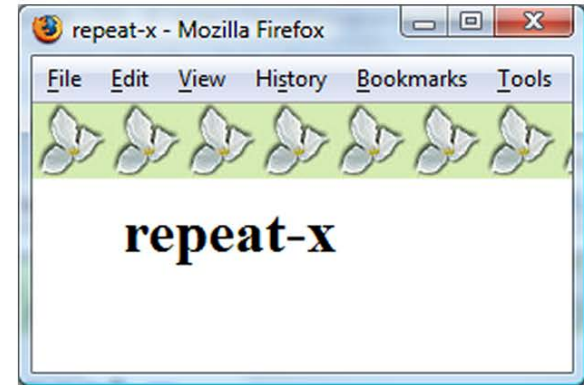
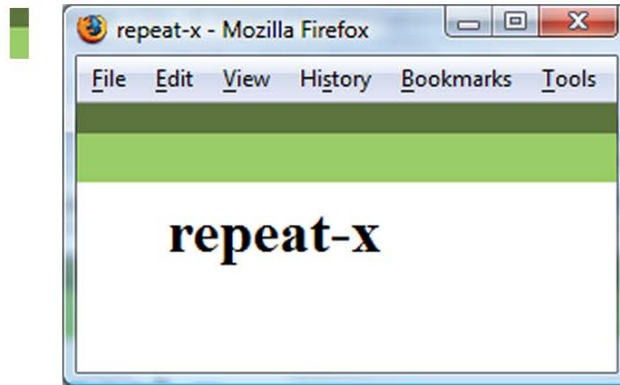
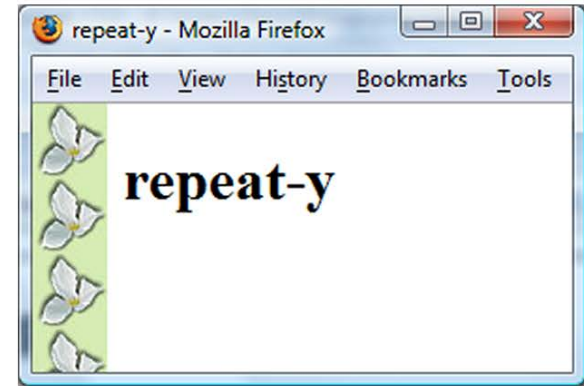
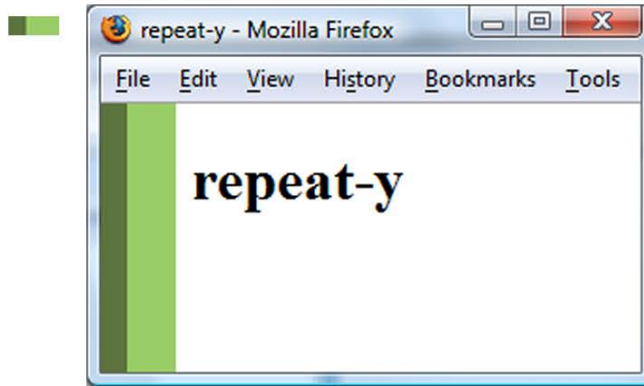
More about...

Early fish from the fossil record are represented by a group of small, jawless, armored fish known as Ostracoderms. Jawless fish lineages are mostly extinct. An extant clade, the Lampreys may approximate ancient pre-jawed fish. The first jaws are found in Placodermi fossils. The diversity of jawed vertebrates may indicate the evolutionary advantage of a jawed mouth. It is unclear if the advantage of a hinged jaw is greater biting force, improved respiration, or a combination of factors.

Pets are awesome. While many people have kept many different species of animals in captivity over the course of human history, only a relative few have been kept long enough to be considered domesticated. Other types of animals, notably monkeys, have never been domesticated but are still commonly sold and kept as pets. There are also inanimate objects that have been kept as "pets", either as a form of game, or humorously (e.g. the pet rock or Chia pet).

CSS background- repeat Property

background-image: url(../images/leaf.png);
background-repeat: repeat-y;



Using background-repeat

images/leaf.png 

```
h2 {  
    background-color: #d5edb3;  
    color: #5c743d;  
  
    /* background image... */  
    background-image: url(../images/leaf.png);  
    background-repeat: no-repeat;  
    padding-left: 30px;  
}
```