

## Image display techniques.

These techniques are used for better visual effect and a user friendly approach to web pages. you can use image transparency and image interlacing techniques to display images.

### Image transparency

This is used for better visual effects on a webpage.

It blends an image with the web page background. However, the web page background is visible only through the transparent part of the image.

Web developers use this technique so that images with blank backgrounds blend with the background of the webpage.

You can also make other parts of the image transparent, and not just the background.

File formats such as GIF 89a and PNG support image transparency. GIF 87a does not.

[An example of a non transparent PNG image in a browser is demonstrated]

In non transparent images you can see the image background, instead of the Web page background.

If you need to view the webpage background, you need to blend the image with the webpage background. To do this, you use an image with a transparent background

This displays the webpage background through the transparent part of the image

### Image InterLacing

In the image interlacing technique, an image progressively displays itself as it is downloaded over a webpage.

This makes the web page more accessible to users with slower internet connections

This is because the user does not have to wait for the entire image to be downloaded

a user is able to see different stages of the image while it is being downloaded.

Images having standard file formats are read from top to bottom. A web browser loads the top of the non interlaced image after 50% of the image is read, and the bottom of the image appears after some time

A user downloading a non-interlaced image with a slow internet connection may either see a partial image or none at all.



An interlaced image first fades in and then renders in a web browser. An interlaced image is continuously scanned from left to right to load in a web browser. The scanning of the image is done in different passes.

In the first pass 13% of the image is rendered. In the second, the next 25% is loaded.

The process continues in increments of 25% until the image is entirely downloaded. During this process, the entire image first appears hazy, then it sharpens.

Only the GIF and PNG formats support interlacing. In GIF both 87a and 89a support interlacing.

To create an interlaced image, you need to configure an image file in a graphics editing application and save it as a compatible file type.

Many graphics applications allow to save gif files as interlaced, or with transparent backgrounds, or both.