

Rasters

VS.

VECTORS

Terms to know

Resolution:

Monitor resolution:

Typical printer resolution:

Pixels:

Interpolation:

Nodes:

Rasterizing:

Scaling:

Resizing:

Raster Images

(Also called Bitmaps)

Scaled version



Original

Definition:

Features of a bitmap:

- —it's difficult to increase or decrease their size without sacrificing quality.
- When you an image by dragging the edges, the image gets .
- When you an image with the command pixels are discarded.
- When you an image with the command pixels are . This will create on a bitmap.
- All images and images from are bitmaps.
- Converting bitmaps is as easy as clicking and changing the file type.
- Restricted to .
- Easily produces .
- Editing can be very .

Common bitmap formats:

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Popular bitmap editing programs:

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Raster placed over a background image; notice the white box

Vector Images



Definition:

Features of a Vector:

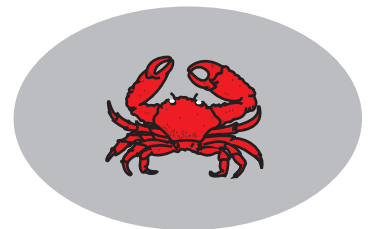
- Attributes are . Fills, strokes, color can be added or changed.
- Shape can be transformed by manipulating the and .
- Images are resolution independent because they are scalable.
- Images are not restricted to ; they can be round.
- It is very difficult to produce imagery. They cannot easily depict of photography. They usually have a appearance.
- Images ; they cannot be scanned and saved as vectors.
- Vectors can easily be into images through rasterizing.
- Opening a vector image in a bitmap editing program the vectors qualities and makes it a .
- The most common reason for changing a vector to a bitmap is
- Images are very without jaggies.

Common vector formats:

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Popular Vector drawing programs:

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Vectors are not restricted to rectangular shapes; there is not a white box around this crab.