

Demonstration & Discussion

Adobe Illustrator



Raster vs. Vector Artboards **Navigation File Menu View Menu Guides**, Grid **Transforms**

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On digital screens, all visual information is rendered

by combining red, green, and blue color values.

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If you use a magnifying glass (or smash your face up against your screen), you might be able to see thousands of tiny red, green, and blue rectangles.

These are called *picture elements*, or *pixels*.





...as either...















• Also called "bitmap"



- Also called "bitmap"
- Image information rendered in pixels (the squares)



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- PSD, JPEG, PNG, GIF, etc.



- Also called "bitmap"
- Image information rendered in pixels (the squares)
- PSD, JPEG, PNG, GIF, etc.
- Ideal for photographic imagery (real-world visual information)



...either raster...



...either raster... or...















• AI, PDF, EPS, SVG



- AI, PDF, EPS, SVG
- Images rendered by connecting coordinates



- AI, PDF, EPS, SVG
- Images rendered by connecting coordinates
- Good for logos, illustrations, typography





<https://commons.wikimedia.org/wiki/File:Bitmap_VS_SVG.svg>




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Colorspace Dimensions Bleed



Dimensions

Bleed







RGB (Red Green Blue) is standard for all digital displays.

С







CMYK (Cyan Magenta Yellow Black) is standard for printing. Also called "four color" or "process color".



Dimensions

Bleed



Colorspace Dimensions

Bleed



Colorspace Dimensions



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View Selection Tools



View

Selection

Tools



Hand Grab/Drag



Zoom with Cursor



View → Zoom In



View → Zoom Out



View → Zoom to Fit Artboard in Window



View → Outline



Show/Hide Toolbars



Change Screen Mode



View

Selection

Tools



View

Selection

Tools

Navigation > Selection



Add to/remove from selection, lock axis (move), lock aspect ratio (scale)

Navigation > Selection



Drag-and-duplicate the selected object
Navigation > Selection





Navigation > Selection



Deselect All



View

Selection

Tools



View

Selection



Navigation > Tools



Select Tool

Navigation > Tools



Direct Select Tool

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Save Place













Typical file formats: .ai (Adobe Illustrator file) .pdf (Portable Document Format file) .png (Portable Networks Graphic file)









Place

Add files, such as images, to your artboard





$File \rightarrow Place$

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Smart Guides Bounding Box Rulers



Bounding Box

Rulers





Provides visual hints of object dimensions, control points, and paths, and offers suggestions for aligning and distributing objects that you're moving around the artboard

View Menu



View → Smart Guides



Bounding Box

Rulers



Bounding Box

Rulers



Bounding Box



Bounding Box

Shows scale/rotation control points for an object



Bounding Box





Bounding Box

Rulers



Smart Guides Bounding Box







Allow for easy drag/drop guides onto the artboard

View Menu



View → Rulers → Show/Hide Rulers



Smart Guides Bounding Box



Raster vs. Vector Artboards Navigation **File Menu View Menu** Guides, Grid **Transforms**

Raster vs. Vector Artboards **Navigation File Menu View Menu Guides**, Grid Transforms



Guides, Grid



View → Guides → Show/Hide Guides
Guides, Grid



View → Guides → Lock/Unlock Guides



It's smart to start every project by establishing a grid on your artboard.



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You can create a grid by dragging lots and lots of guides onto your artboard.



It's smart to start every project by establishing a grid on your artboard.

You can create a grid by dragging lots and lots of guides onto your artboard. But it's faster and easier to create a shape, then have Illustrator split it into a grid for you.



Object \rightarrow **Path** \rightarrow **Split Into Grid...**

Guides, Grid



View → Guides → Make Guides



Raster vs. Vector Artboards **Navigation File Menu View Menu Guides**, Grid Transforms

Raster vs. Vector Artboards **Navigation File Menu View Menu** Guides, Grid Transforms





Object \rightarrow **Transform** \rightarrow **Transform Again**

Move Rotate Reflect Scale

<mark>Move</mark>

Rotate

Reflect

Scale



Object → **Transform** → **Move**

<mark>Move</mark>

Rotate

Reflect

Scale

Move

Rotate

Reflect

Scale



Object → **Transform** → **Rotate**

Move

Rotate

Reflect

Scale

Move

Rotate

Reflect

Scale



Object → **Transform** → **Reflect**

Move

Rotate

Reflect

Scale

Move

Rotate

Reflect

<mark>Scale</mark>



Object \rightarrow **Transform** \rightarrow **Scale**

Move

Rotate

Reflect

<mark>Scale</mark>

Move Rotate Reflect

Scale



Object → **Transform** → **Shear**

Move Rotate Reflect

Scale

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