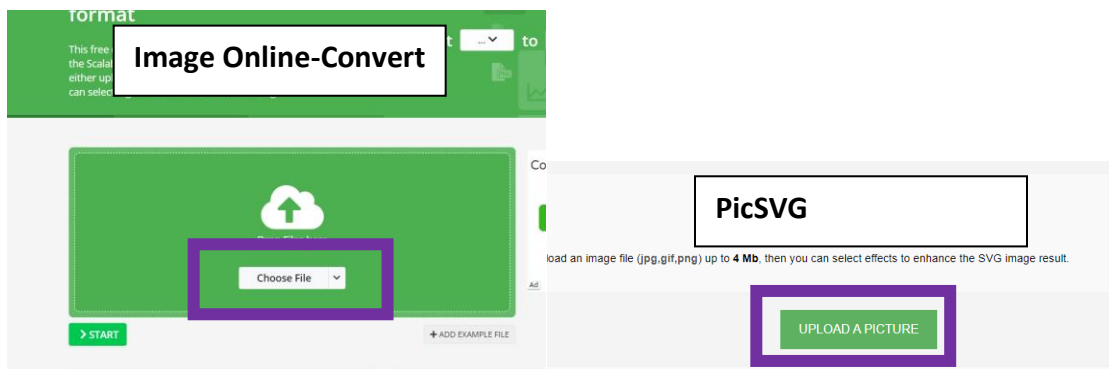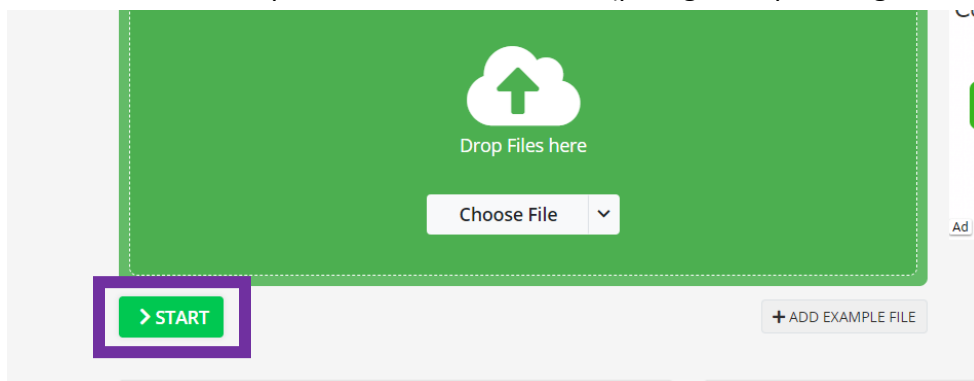## Vector Graphics vs Bitmap Graphics

Vinyl Cutters like the library's Graphtec Pro and the Cricut line of products are **cutters, not printers**. This means they cannot print out an image, they can only cut along a path called a vector. The resultant cut will be whichever color the vinyl is, it won't have the same colours as if it were printed. Bitmap graphics do not contain vectors, it needs to be converted into a vector.

1. Visit a SVG Conversion website – Use a website such as picsvg.com or image.online-convert.com (NOTE: These websites are free to use because they have Ads, only click the buttons highlighted below or use at your own risk)
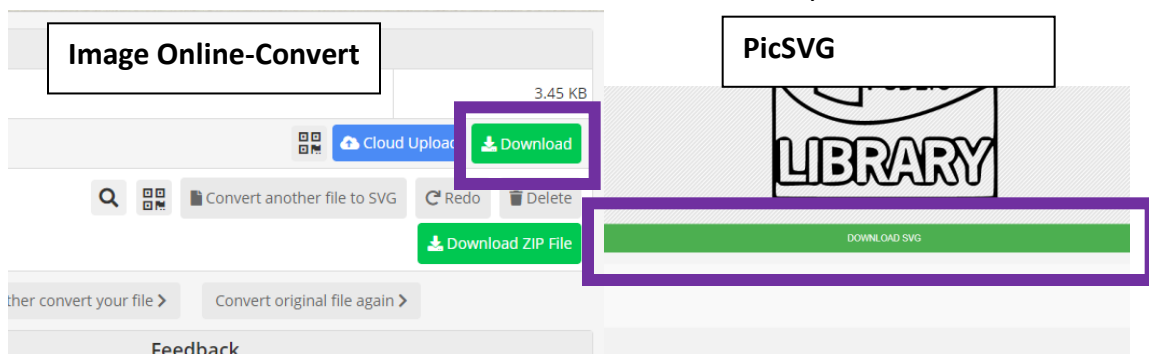
2. Upload the file you want to convert

3. Wait for the file to upload and then click Start (picsvg will upload right away, skip to #3)

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4. After the conversion if the file doesn't download automatically, click "Download"

Image Online-Convert

PicSVG

3.45 KB

🔲 ☁ Cloud Upload ⬇ **Download**

🔍 🔲 📄 Convert another file to SVG ↻ Redo 🗑 Delete

⬇ Download ZIP File

DOWNLOAD SVG

...ther convert your file ❯   Convert original file again ❯

Feedback

5. You now have a vector file! The SVG extension stands for Scalable Vector Graphic.

6. If the file doesn't convert correctly, there are options below the start button you can play with to try improving the quality of the trace:

⚙ Optional Settings   **Image Online-Convert**

Change size: ⓘ
Width: Height:
[1 - 65000] px   [1 - 65000] px

Apply color filter: ⓘ
[no change ▾]

☐ Enhance ⓘ ☐ Sharpen ⓘ ☑ Antialias ⓘ ☐ Despeckle ⓘ ☐ Equalize ⓘ
☐ Normalize ⓘ ☐ Deskew ⓘ

☐ Remove background ⓘ

DPI: ⓘ
[10 - 1200] dpi

Crop pixels from:
Top: Bottom:
[1 - 100000] px   [1 - 100000] px
Left: Right:
[1 - 100000] px   [1 - 100000] px

Details Great ▾   Filters Edge 2 ▾ ◼

Set black and white threshold: ⓘ
[0 - 255]

PicSVG

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