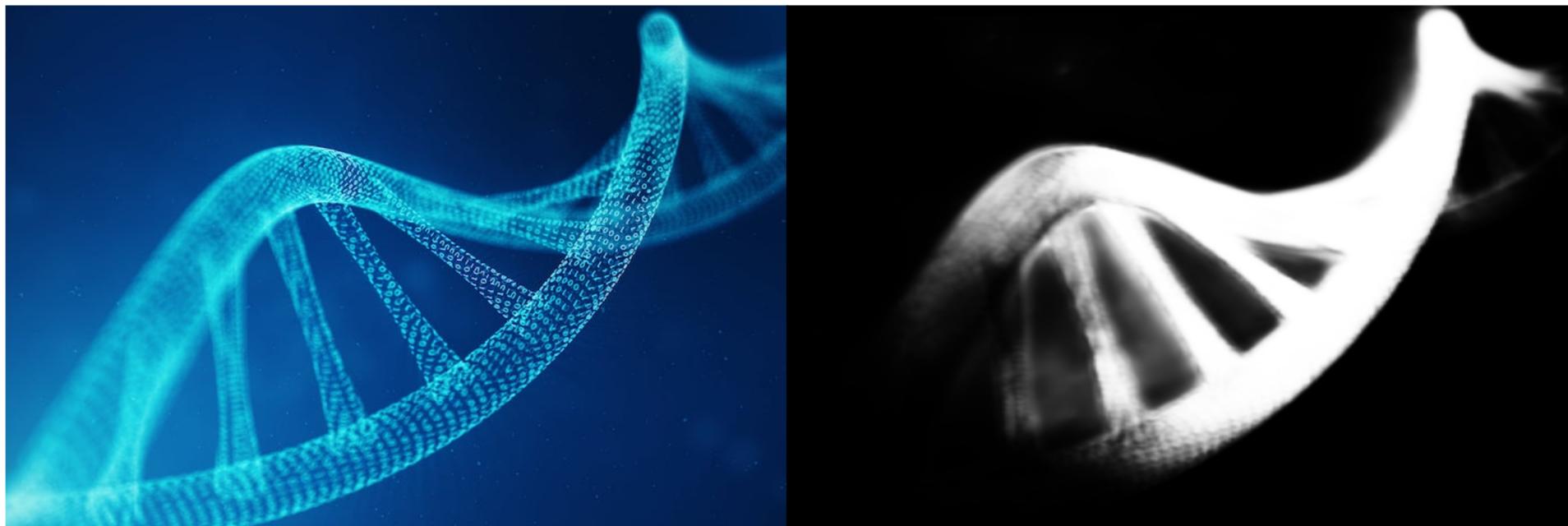


Instant Alpha

Hack-a-thon 2021
Ning Liu & Katy Brenneman

What Is Alpha?

Alpha channel is used to indicates **transparency** in images (png, jpg)



white = opaque

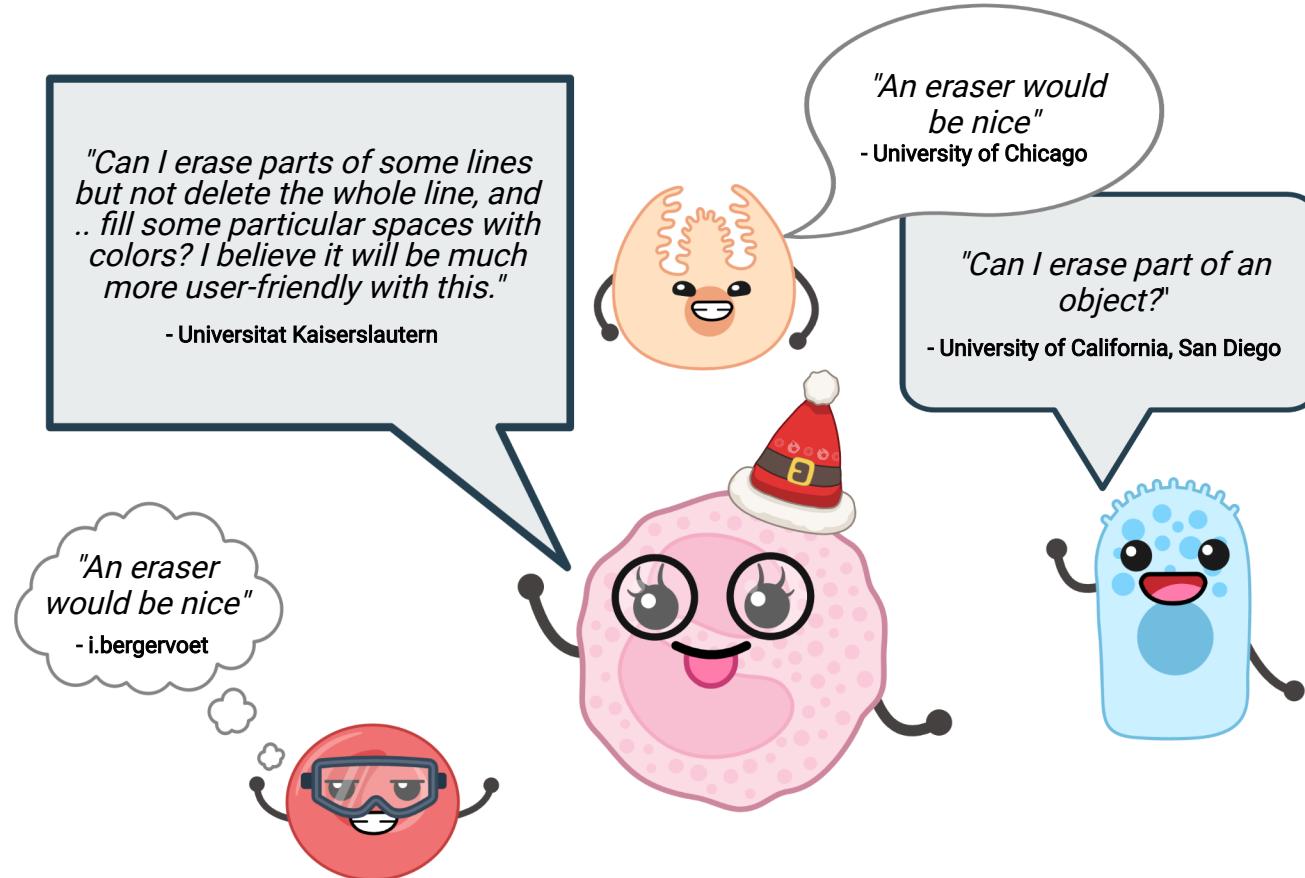
black = transparency

What did we do?

Background eraser for uploaded images



Why did we do it?



User Feedback about "Eraser"
(4 users tracked in ProductBoard)

Why did we do it?



"It would be great if there is a better way to dispose of an image background instantly and not with the crop system."
- Hebrew University



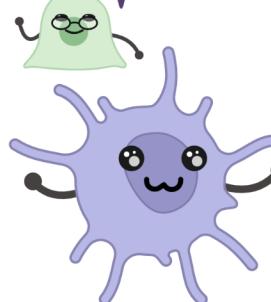
"Can't make the background transparent?
- Indiana University



"I would love if I could set a transparent background color to images (icons) that I upload to my canvas, as can be done using PowerPoint. Even if I make a background transparent to a JPEG in PPT and copy it, the background returns to solid white when I paste it into BioRender."
- jeffery.divino



"I would like that the images that are not within the database of Biorender icons to have the option to remove the background"
- Universidad de Sonora

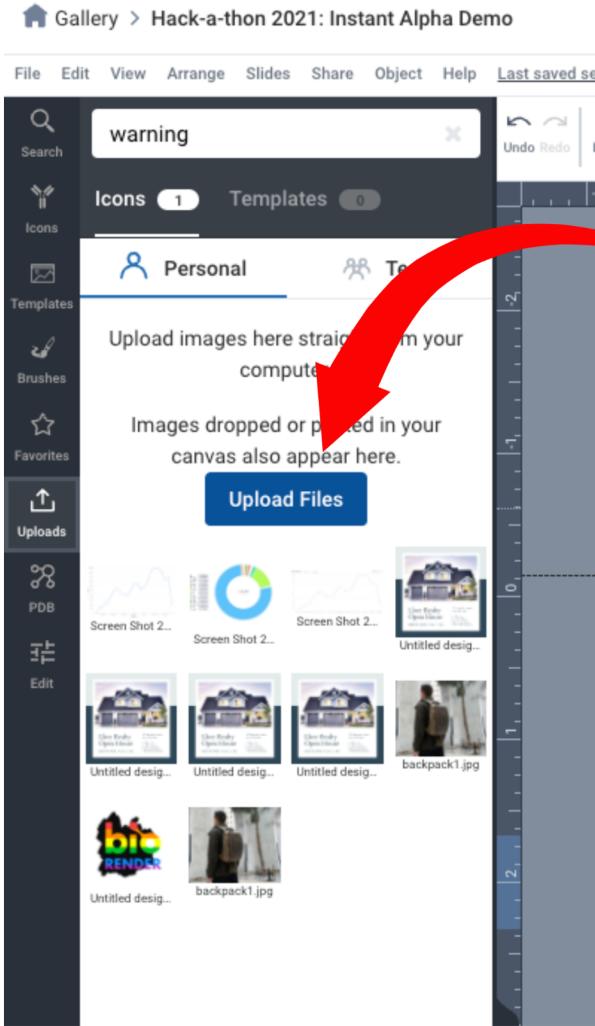


User Feedback about "Background"
(4 users tracked in ProductBoard)

Use Cases

- Today, there are users that upload images that need areas removed and in those scenarios users need to use a 3rd party tool to edit.
- For posters and presentations, we anticipate that users will likely want to upload logos. If they contain a background, the design can be compromised or must use 3rd party tool to modify.

Who did we do it for?



Users who import images via. upload, copy-paste & drag-drop and want to remove the background.

Image uploads over time

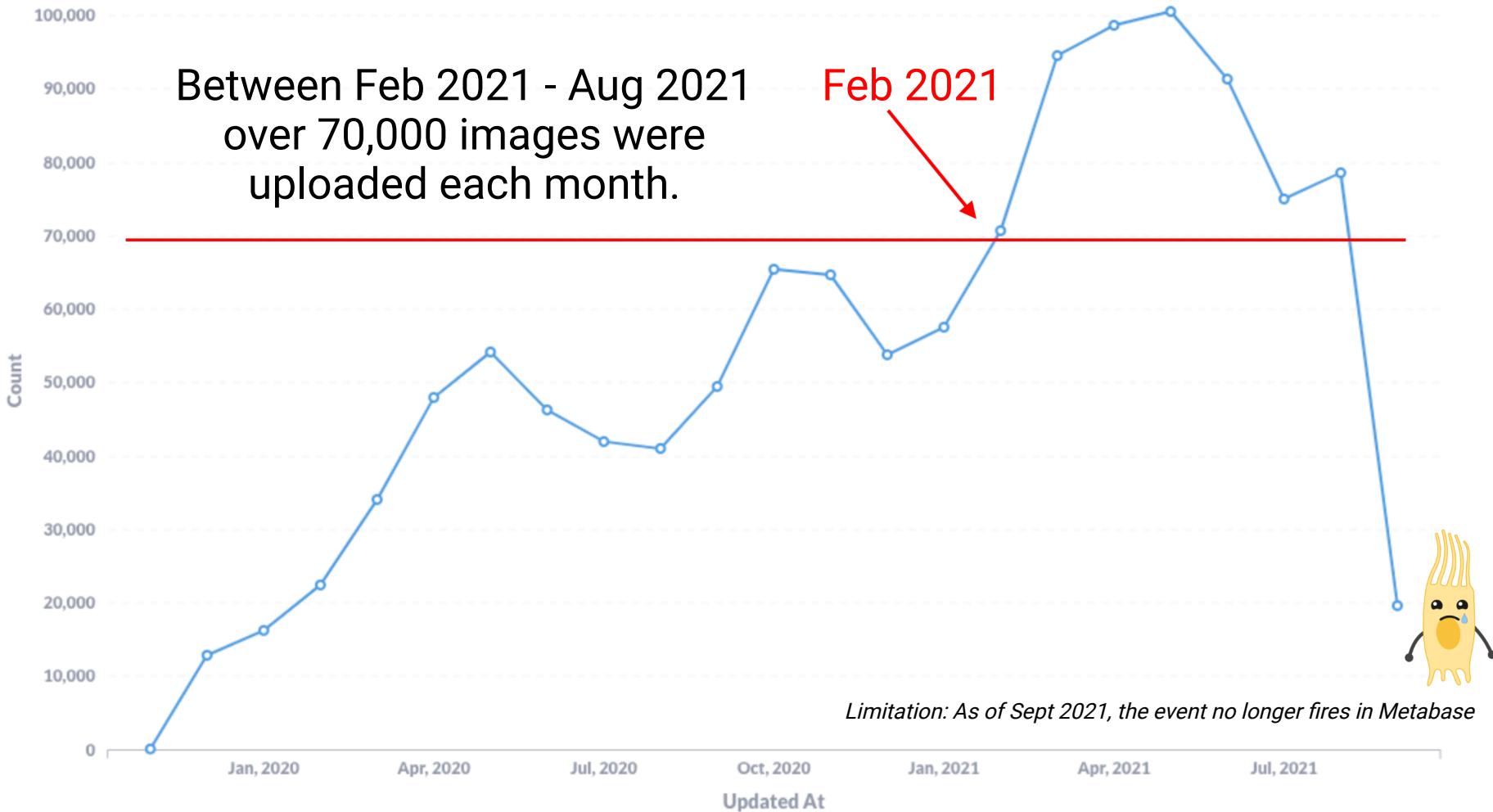
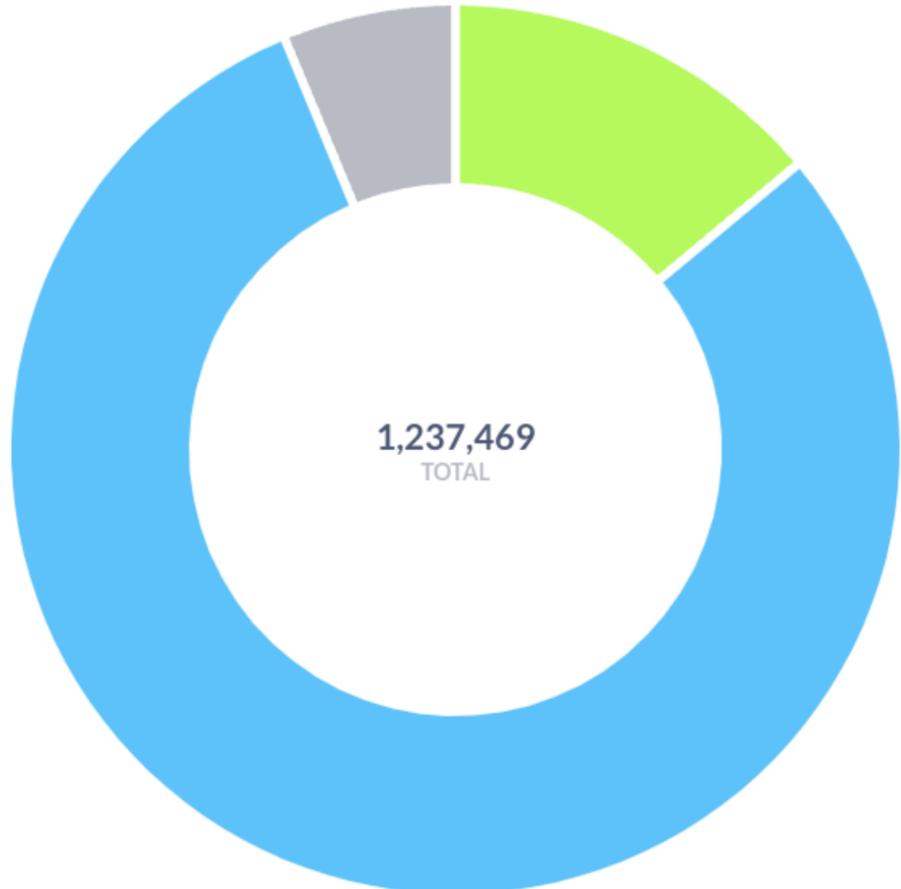


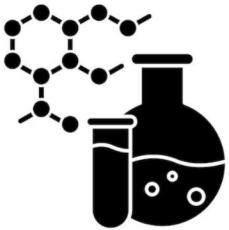
Image uploads by file type

>94% of images may need a background remover

- jpg 13.77%
- png 80.19%
- Other 6.04%



Example Images



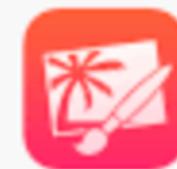
MENARINI
RICERCHE



How Other Softwares Do It?



...



Canva

Manual

Semi-Auto

Auto

We can do all of them

Live Demo!