

GUIDE

Upscaling and background removal explained

What upscalers and background removers actually do, what they cost, and when a free open-source tool is enough.

Updated November 13, 2026

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Upscalers and background removers are the two most common single-purpose AI image tools. Both are narrow jobs, and both have free or near-free options. Prices below were read on vendor pages on 2026-11-13.

What an upscaler does

An upscaler takes a small or soft image and produces a larger one. It does not recover detail that is not there; it predicts plausible detail from texture patterns. Faces, text and fine lines are where it fails first. Always inspect the result at 100% zoom before you publish.

Three ways to run one:

- **Free and open source.** Upscayl is a free desktop app; its site says "Download once, forever yours" and calls itself free and open source (read 2026-11-13). It runs locally on your computer.
- **Credit APIs.** Stability AI's pricing page lists a Fast Upscaler at 2 credits per image (about $0.02 at 1 credit = $0.01) that increases resolution by 4x up to 4 megapixels, and a Creative Upscaler at 60 credits that uses prompt guidance for a 4K result. Source: Stability AI pricing.
- **Bundled in suites.** Freepik's Magnific plans include upscaler features inside subscriptions priced from $14.50 to $82.50 per month billed annually (read 2026-11-13). Black Forest Labs lists FLUX 3 Upscale [precise] priced per megapixel-second on its pricing page (read 2026-11-13).

Choose the free route for occasional work and photos you control. Choose an API when upscaling is part of a pipeline.

What a background remover does

A background remover segments the subject and outputs it with a transparent background or a new scene. It works best on clear subject-to-background separation: a product on a table, a person against a wall. It struggles with fine hair, translucent objects, reflections and busy backgrounds.

Published facts, read 2026-11-13:

- remove.bg gives new users 1 free credit on its API page and states a credit covers one HD image; its docs note PNG exports up to 4000x2500 pixels cost 1 credit per image.
- Stability AI's API pricing lists Remove Background at 5 credits per image (about $0.05), plus separate Erase Object, Inpaint and Outpaint edits at 4 to 5 credits each.
- Photoroom's pricing page lists Pro at $12.99 per month with 8,000 credits and 1,000 exports, aimed at product-photo volume.

When to edit instead of generate

If you already have a good photo and only need a new background, an editor or inpainting tool is cheaper and safer than generating a new image. Stability AI prices Outpaint at 4 credits and Inpaint at 5 credits (read 2026-11-13). Black Forest Labs lists FLUX.1 Fill [pro] inpainting at $0.05 per image (read 2026-11-13). Generating from scratch is for when no usable source image exists.

Practical rules

1. Upscale once, at the end. Upscaling an already-upscaled image compounds artifacts.
2. Keep the original. Store the untouched source file next to every derivative.
3. Check edges at 100% zoom after background removal, especially hair and glass.
4. Re-check the tool's terms before commercial use; prices and licences differ per vendor and per plan.

Sources

All sources below were fetched and checked on 2026-11-13.

- Stability AI API pricing, accessed 2026-11-13.
- Upscayl, accessed 2026-11-13.
- remove.bg API page, accessed 2026-11-13.
- Black Forest Labs pricing, accessed 2026-11-13.
- Photoroom pricing, accessed 2026-11-13.
- Freepik pricing, accessed 2026-11-13.

Frequently asked questions

Does upscaling add real detail?

It guesses detail from patterns. It improves perceived sharpness and size, but it cannot recover detail that was never captured. Check the result at 100% zoom.

Sources

platform.stability.ai — https://platform.stability.ai/pricing
upscayl.org — https://upscayl.org
remove.bg — https://www.remove.bg/api
blackforestlabs.ai — https://www.blackforestlabs.ai/pricing