Freebie Tutorial – Reference Face Mode

Reference Face mode can be used to replace one model's face with another, or to create whole new pictures based on an uploaded model's face. This make it a bit like two modes, each with its own best uses and parameters.In this document we'll check out both uses of this new mode.

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1. CREATING A NEW IMAGE

Upload a Reference Image with a clearly visible face in it and enter a prompt. The face will be pulled into the image you describe. If you have no areas selected when running a Reference Face operation, an entirely new image will be created, built around the face from your Reference Image. The prompt and Attention will affect the result. When Attention is too high, the image data may become unrealistically detailed, applying to models as well as backgrounds.

2. INPAINTING

Upload a Reference Image with a clearly visible face in it, select the face/head area of the model in the Canvas, enter a prompt, and run it. The face from your Reference Image will replace the face in the selected area. The prompt and Attention will affect the result, as will Inpaint Strength.

If you have a non-face area selected, that area will be treated as a regular inpaint; the AI will try to implement your prompt, subject to Inpaint Strength and Attention. You might get weird results.
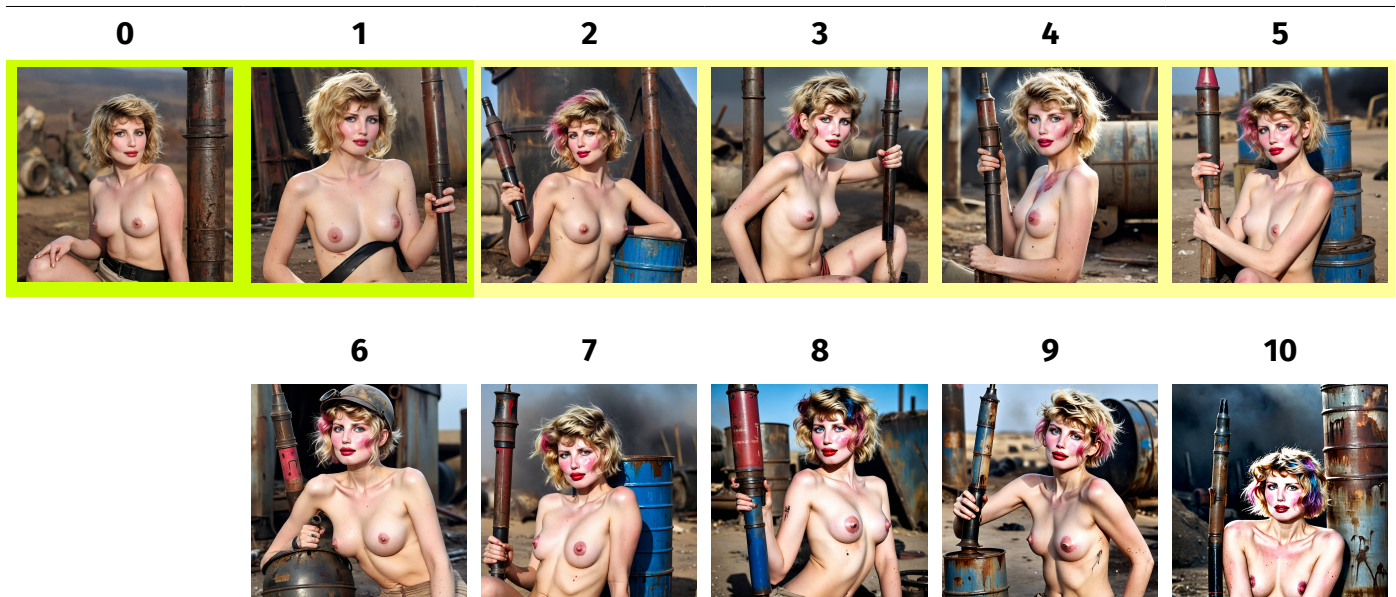
Reference Face Mode — Image Generation

Prompt: "photo of tall thin naked blonde, 21yo female, blue eyes, red lips, asymmetrical haircut, perky breasts, pink nipples, pale skin, facing the viewer, holding a rocket launcher, sitting on an oil drum in a post-apocalyptic battlefield"

Reference Image

Attention

0	1	2	3	4	5

6	7	8	9	10

Notes:

As of this writing, Strength has very little effect in Ref Face mode, but should be greater than 0.

Note that our Prompt possesses several "honest" details that describe the model's actual face (shown in red). In practice it's good to stay vague and let the Reference Image do the work, because the AI can be more creative than you'd like. But if you find the face is drifting – in this case we sometimes got grey eyes or long hair – try adding some honest facial details to your prompt.

The AI does a pretty good job of incorporating our model's face no matter what the Attention setting is, but as the Attention increases beyond 5 or 6 we start to see some weird details in the model's face – including what looks like it might be blood in some shots. These details seem to come from the Prompt itself; i.e., words like "post-apocalyptic" are being applied to the model's face as well as the background.

That said, it's harder to explain the pink splotches we see appearing, first in her hair, then on her face. They could come from the rouge on the cheeks of our Reference Image, or they could have something to do with the word "pink" in the prompt. Either way, our prompt words clearly become more "weighty" and more liberally distributed as Attention increases.

Inpainting

If an area of the Canvas is selected with the Inpaint Tool when you run your prompt in Reference Face mode, the AI will attempt to insert your Reference Image model's face into the image. The Strength slider has no effect, but Attention and Inpaint Strength are both relevant, as shown in the following examples.

Reference Face Mode — Inpainting a Face

1. Upload Canvas Image

2. Upload Reference Face Image

3. Select Face/Head

NOTE: The results below have been cropped to focus on the face and head area.

Settings:	Prompt:	Result:	Notes:
Inpaint Strength: 14 Attention: 0	3d model of a 20yo girl, brunette, hyperreal, realistic skin, 3d character style		*Inpaint Strength must be above 10 to take significant effect, and is often best between 15 and 20.*
Inpaint Strength: 16 Attention: 2	naked 20yo girl		*Simpler prompts are often better, allowing the Reference Image to do the work.*
Inpaint Strength: 16 Attention: 8	3d model 20yo girl, brunette, hyperreal, realistic skin, 3d character style		*As Attention increases, more details from the prompt are brought in. Sometimes this is too much, resulting in a "fried" look.*
Inpaint Strength: 20 Attention: 3	adorable 19yo girl, big hair, red hair, 1950s hairdo, mischievous smile		*It is possible for your prompt to override the Reference Image, changing facial details like hair or eye color.*