



Nano Banana Pro in Photoshop

I will be showing you the improvements made in the new Nano Banana Pro, also known as Google Gemini version 3, which is now available in Photoshop. I'll provide before-and-after examples and the prompts I used.

## Resolution Improvements

Previously, output resolution was limited to 1K (1000 pixels). Now, 2K and 4K outputs have been announced by google, though not yet implemented in Photoshop. I anticipate that Photoshop will soon be updated to support these higher resolutions.

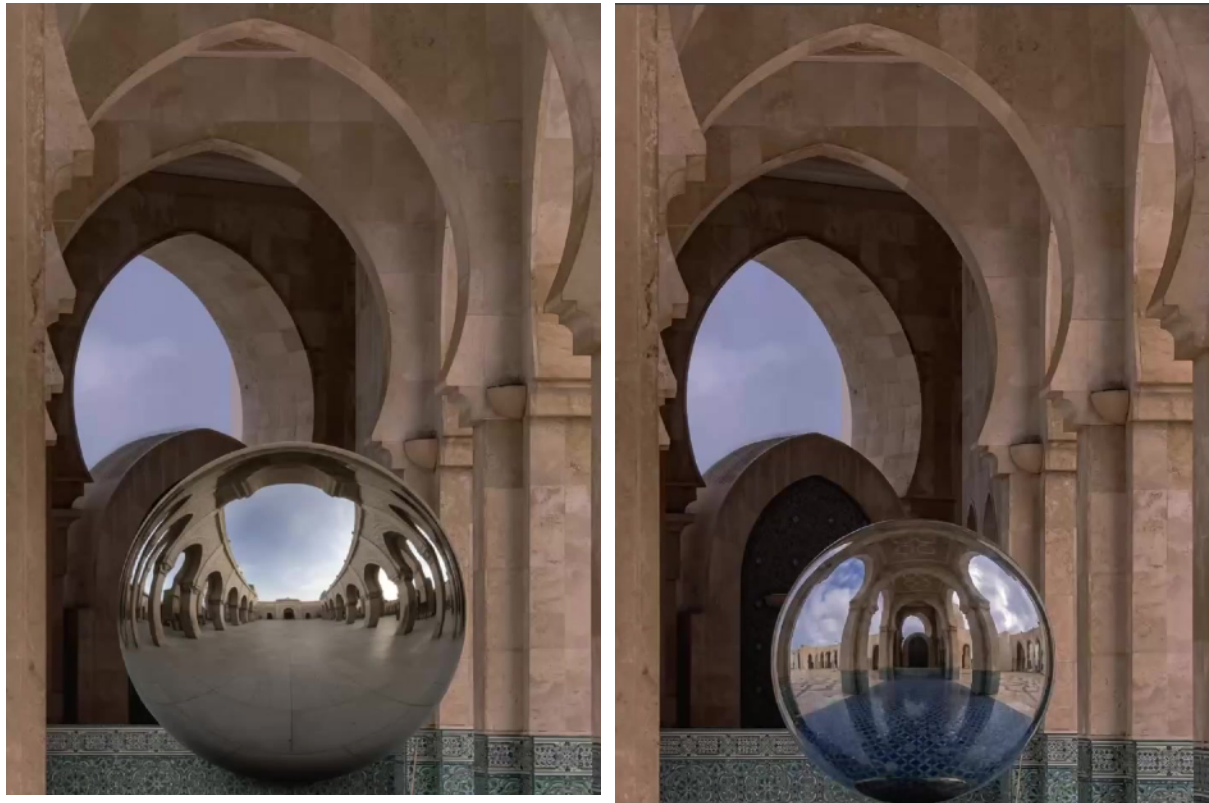
## Replacing Shoes: Initial Attempts

I started with an image from Casablanca, Morocco, wanting to replace the shoes with pink ballet slippers. The initial attempt with the older Nano Banana (version 2.5) only replaced a few slippers. Switching to the new version yielded better results, replacing more shoes. However, it missed shoes visible through the window. I modified the prompt to include shoes visible through the window and to translate all text to English. The updated prompt was: "including those that you can see through the window that are on the inside of the store. Make all the text in the scene to be in English". The translation wasn't always consistent across multiple runs. Phrases like "shoe repair and cobbler" appeared differently in subsequent generations. I added instructions to maintain the size, position, and number of shoes and signs, focusing on changing only the shoe type and language. This aimed to prevent the addition of unintended signs.



### Shiny Metal Sphere

I prompted it to place a shiny, polished metal sphere reflecting its surroundings. The older version produced an inaccurate reflection of the location. The new version created a more accurate reflection, closely resembling the actual location's ceiling design.



### Text Translation: Old vs. New

The old version struggled to translate text, while the new version successfully translated all text to English, maintaining the sign's design and style. The prompt was "change the language of all the text to English while maintaining the overall design and style of the sign, as well as the position of each word".





### Artwork Transformation: Initial Results

I aimed to change the artwork on a wall to feature birds while maintaining the style and color. The initial result with the old version was repetitive. The prompt was "change the artwork painted on the wall from the current design theme to one featuring birds while maintaining the overall style and color of the design".

The new version, with a modified prompt to maintain complexity and variety, yielded a better result. However, the doorway's size was altered. The modified prompt was "to maintain the overall style, color, complexity, and variety of the design".

I further refined the prompt to prevent changes to the doorway's size, position, or shape. The prompt was "do not change the size, position, or shape of the doorway in any way".



### Stained Glass Transformation

I was impressed by the transformation of two men in stained glass windows into women in period dresses while maintaining the art's style.





### Neon Sign Restoration

I attempted to restore a neon sign, initially asking to repair broken tubes without altering anything else. The prompt was "repair the neon signs so that none of the neon tubes are broken or missing. Do not change anything else about the image and leave the weathered paint unchanged". After a modification to specify the text of the sign, the result was still imperfect. The prompt was "the sign should read from top to bottom, Sunset Motel, No Vacancy". I then prompted it to restore the sign to look freshly painted with unbroken neon, resulting in further improvements. Achieving the desired result often requires an iterative process of refining the prompt. For instance, specifying hand-painted elements instead of neon for certain parts of the sign.



### Weathering a Sign

I weathered a sign to match another by copying the weathered sign and then I instructed it to make the Knob Hill sign just as weathered as the Sunset Motel sign so the paint is peeling in a similar fashion. Do not change anything else about the image or design of the sign. The new version produced a better result.



### Adding Fog

I successfully added dense, layered fog to an image, enhancing the overall mood. The prompt was "add dense layered fog to the image. So the building in the distance is barely visible while the nearby gate is easily visible, yet still Seeing Through a Hint of Fog".



### Creating a 1930s Advertisement

I created a promotional advertisement in the style of the 1930s, complete with text and selling features in a newspaper ad format. The tool accurately extracted details like "Vagabond Cruiser" from the license plate but sometimes misplaced call-outs.



### Logo Redesign

I asked it to redesign a logo and received a dramatically improved version.





## Room Perspectives

I explored generating different perspectives of a room, including a split view from four angles by using a prompt of an image split into four quadrants with each quadrant showing the view of this room from four different perspectives, each 90° different than the others”.



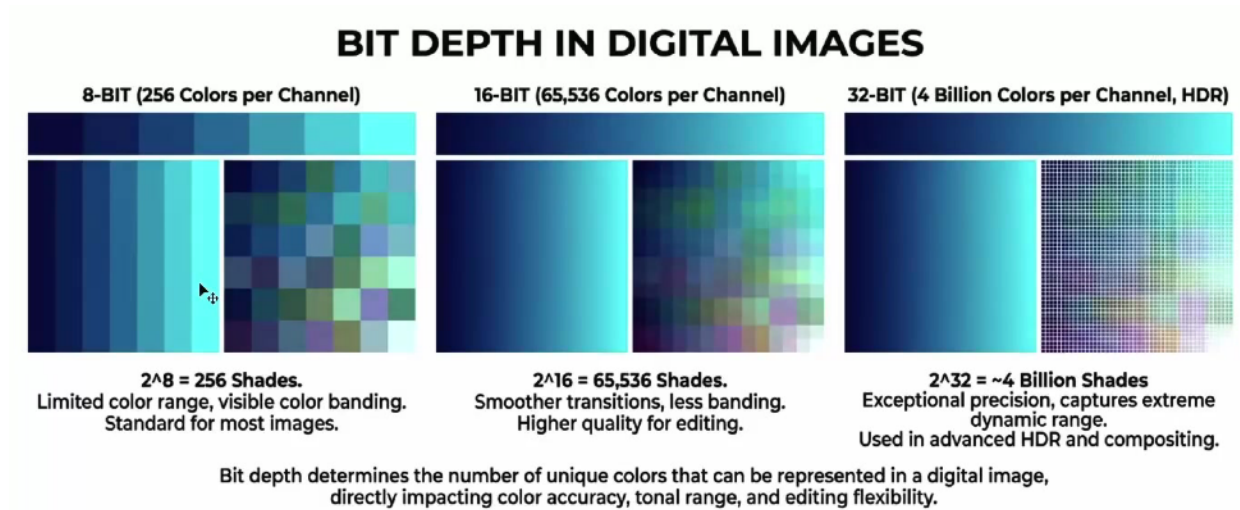
## Showing Ingredients

I prompted the tool to display the ingredients of a dish, and it accurately identified components like chickpeas, almonds, and cheese.



## Infographics: Bit Depth

I created infographics explaining concepts like bit depth, which included accurate information but slightly exaggerated illustrations. The prompt was "create an infographic that explains the meaning of bit depth as it applies to digital images and be sure to include 816 and 32-bit in your examples".



## Safari Scene

I ganged three separate photos together and used the prompt of "have these four people seated in a defender 90 vehicle on safari in Africa at sunset. make sure all the facial features are recognizable as those specific people." I ultimately had to add "looking toward our viewing position" get prevent it from having one person looking at the animals in the scene.





### **Summary of Capabilities**

The new version excels at combining multiple images, translating text, and changing text styles. It can work with up to 13 images or three to four detailed people.

### **Switching Between Nano Banana and Firefly**

To switch between Google Gemini/Nano Banana and Adobe Firefly, use the Generative Fill option in the Edit menu and click on the model icon. Using Firefly consumes one credit per generation with three variations, while Gemini uses ten credits for one variation.

### **Managing Credits**

You can check your credit balance by opening the Creative Cloud app, clicking on your profile picture in the upper right and choosing View your generative AI balance. The number of credits depends on your subscription plan. Gemini 3 uses 10 credits per generation for a limited time. I anticipate this number will vary when the resolution goes up to 4k.