

PHOTOSHOP ADVANCED TECHNIQUES

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Sky Replacement

The *Sky Replacement* was a new feature in Photoshop 2021, which uses *Adobe Sensei*, an Artificial Intelligence (A.I.), to analyze the image and select the sky.

You can find it under **Select > Sky**.

But there is an even more impressive feature that will use the same technology to replace the sky in your image.

To start using this new sky replacement feature, choose **Edit > Sky Replacement**.

From the **Sky dropdown** you can select a new sky for your photo from a collection of skies under 3 categories: **Blue Skies**, **Spectacular**, and **Sunset**.

The best thing about this sky replacement feature in Photoshop is that all the sliders and controls will generate a corresponding Adjustment Layer, or Layer Mask.

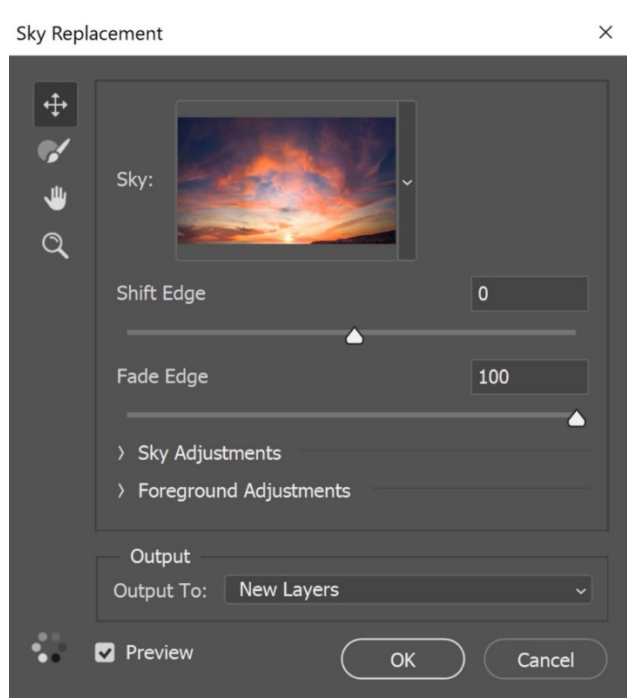
MASKING SLIDERS EXPLAINED

The first set of sliders in the *Sky Replacement* panel allow you to control the mask generated by the A.I.

The **Shift Edge** expands or contracts the sky's mask edge.

The **Fade Edge** controls the blurring or sharpening of the mask edge.

The **Sky Brush** controls the masking by allowing you to paint over areas you want to add or subtract the new sky. You can think about it as painting on a layer mask to reveal or conceal more of the pixels.



SKY ADJUSTMENT CONTROLS EXPLAINED

The **Sky Adjustments** section controls the appearance of the new sky.

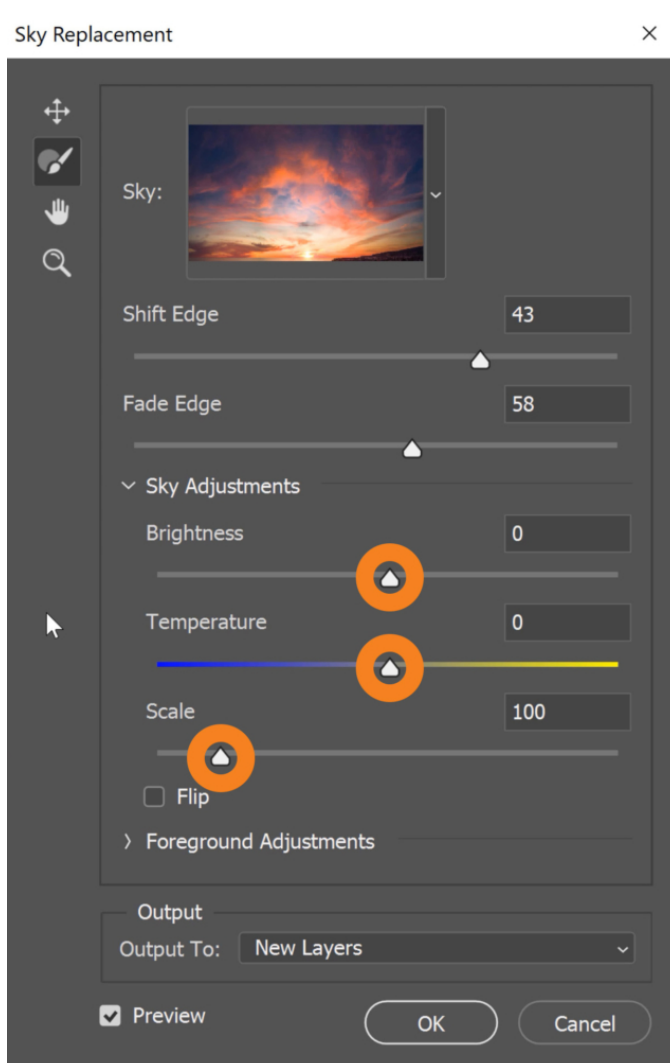
Brightness – controls the brightness or darkness of the sky, and becomes a Brightness/Contrast adjustment layer.

Temperature – controls the coolness and warmth of the sky's color, and becomes a Color Balance adjustment layer.

Scale – controls the size of the new sky.

Note: You can control the positioning by using the Move tool in the Sky Replacement window.

The **Flip** checkbox flips the sky image horizontally, which allows you to match the light direction.



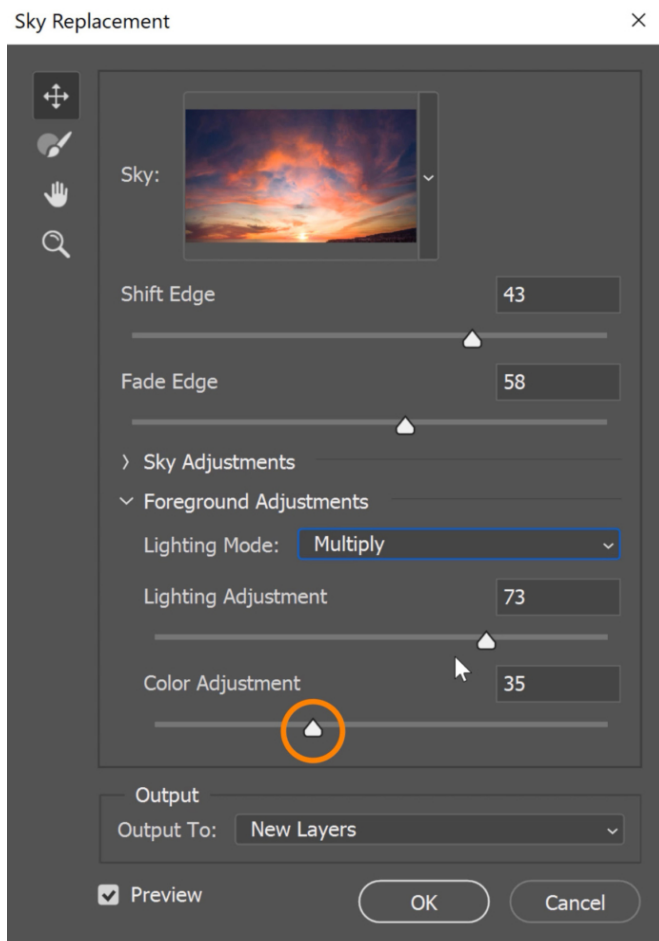
FOREGROUND ADJUSTMENT CONTROLS EXPLAINED

The **Foreground Adjustments** controls the original image.

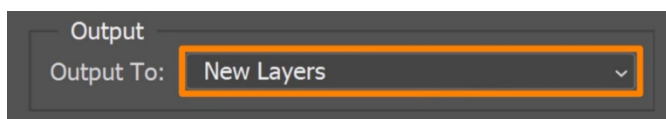
The **Lighting Mode** makes the foreground darker or brighter to help. The two dropdown options are: Multiply, which darkens the foreground, and Screen, which lightens the foreground.

The **Lighting Adjustment** slider will darken or brighten the main background image where it blends with the new sky. As an Output, it will appear as a gray pixel layer and blend depending on the **Lighting Mode** selected.

The **Color Adjustment** slider harmonizes the background and foreground's colors. It will output as a **Curves Adjustment** layer.



Set the **Output** to **New Layers** to keep everything editable.



Use the Sky Replacement for a Realistic Day To Night Transformations

To do a realistic day to night transformation you could use the Sky Replacement in Photoshop.

REPLACE SKIES IN VIDEO WITH PHOTOSHOP

The Sky Replacement in Photoshop is very powerful, but unfortunately it doesn't work on video layers or video groups.

But we can trick Photoshop into applying the sky replacement to video via a Smart Object!

From the Layers panel, *right-click* on your video layer and select "Convert to Smart Object."

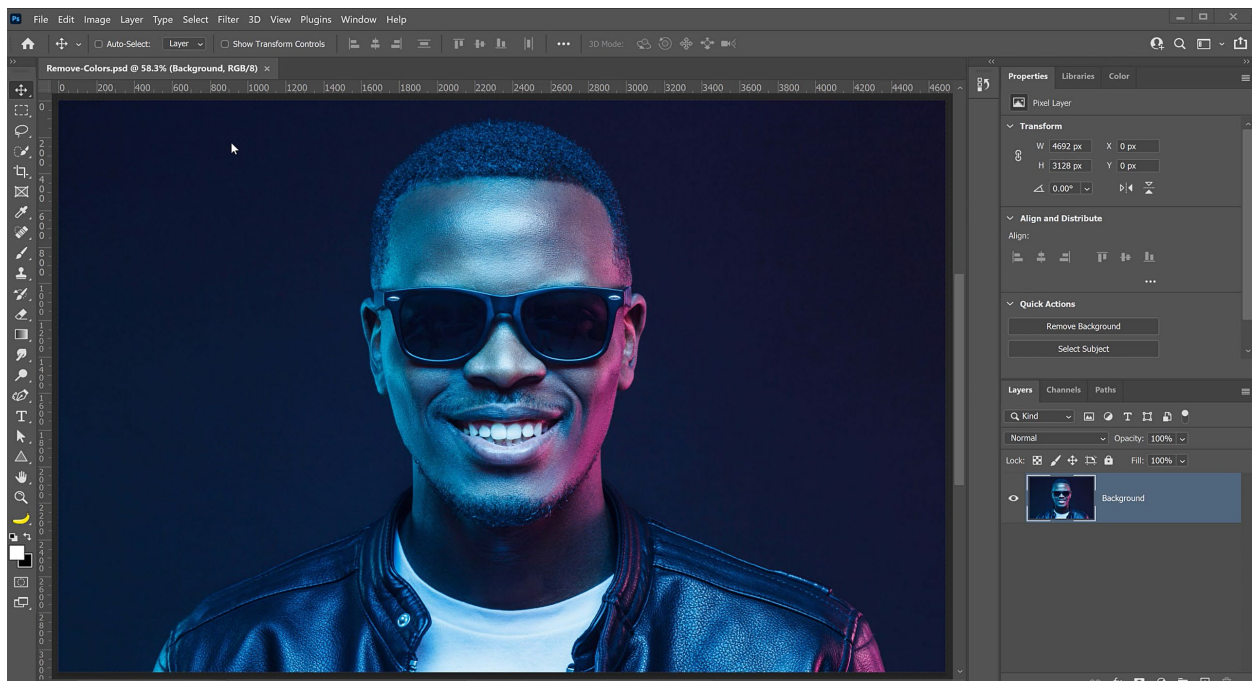
Then, you can choose **Edit > Sky Replacement** and it will replace the sky as it would with a photo.

Unfortunately, Photoshop will not motion track your video. This technique will only work on stationary video that was shot on a tripod.

Use the Black and White Neural Filter to Remove Color Casts

Neural Filters is a new workspace in Photoshop with a library of filters that dramatically reduces difficult workflows to just a few clicks using machine learning powered by Adobe Sensei.

One of these filters is the Colorize filter which will automatically assign colors to a black and white image using AI. But you can use this same technology to remove a color cast from photos.



Choose **Filter > Neural Filters** from the main Photoshop menu. Then select **Colorize**.

Note: If the Colorize filter is disabled, make sure that you are working with an RGB image and not a grayscale image. To change your image into RGB go into **Image > Mode > RGB Color**.



Blend-If

In the Advanced Blending area of the Layer Style dialog box, you will find the Blend If menu.

From the dropdown chose either Gray or an individual RGB channel.

Gray specifies a blending range for all channels.

The individual channel specifies a range for an individual color channel (for example, red, green, or blue in an RGB image).

Use the “This Layer” and “Underlying Layer” sliders to set the brightness range of the blended pixels—measured on a scale from 0 (black) to 255 (white).

The This Layer sliders specify the range of pixels on the active layer that will be hidden (or shown). For example, if you drag the white slider to 235, pixels with brightness values higher than 235 will be hidden.

Use the Underlying Layer sliders to specify the range of pixels in the underlying visible layers that will be shown over the currently active layer. For example, if you drag the black slider to 40, pixels with brightness values lower than 40 will show through the active layer in the final image.

Note:

Hold Alt/Option and click on a slider split it in half

Scripts Events Manager

You can have an event, such as opening, saving, or exporting a file in Photoshop, trigger a JavaScript or a Photoshop action. Photoshop provides several default events, or you can have any scriptable Photoshop event trigger the script or action. See the Photoshop Scripting Guide for more information on scriptable events.

- Choose File > Scripts > Script Events Manager.
- Select Enable Events To Run Scripts/Actions.
- From the Photoshop Event menu, choose the event that will trigger the script or action.
- Select either Script or Action, and then choose the script or action to run when the event occurs.

Photoshop has several sample scripts you can choose. To run a different script, choose Browse and then navigate to the script. For actions, choose the action set from the first pop-up menu and an action from that set in the second menu. The action must be loaded in the Actions panel to appear in these menus.

Click Add. The event and its associated script or action are listed in the dialog box.

To disable and remove individual events, select the event in the list and click Remove. To disable all events, but keep them in the list, deselect Enable Events To Run Scripts/Actions.