

Camera Profiles

ON1 Plus Editing Guide



Section 1

What are Camera Profiles?

Camera profiles apply alternative interpretations of the raw data in an image based upon different genre types or intents. The popup menu displays Photo RAW's built-in profiles: ON1 Standard, Landscape, Portrait, Vivid and Neutral. Suppose your camera has its own embedded profiles. In that case, you will see those profiles in the list as well. Camera profiles change the look of the image in various ways depending on which profile you use. Keep in mind that camera profiles only work on raw images and cannot be used with processed file types such as a jpeg.

Photo RAW's camera profiles are non-destructive, and work independently of any changes you make to tone or color.

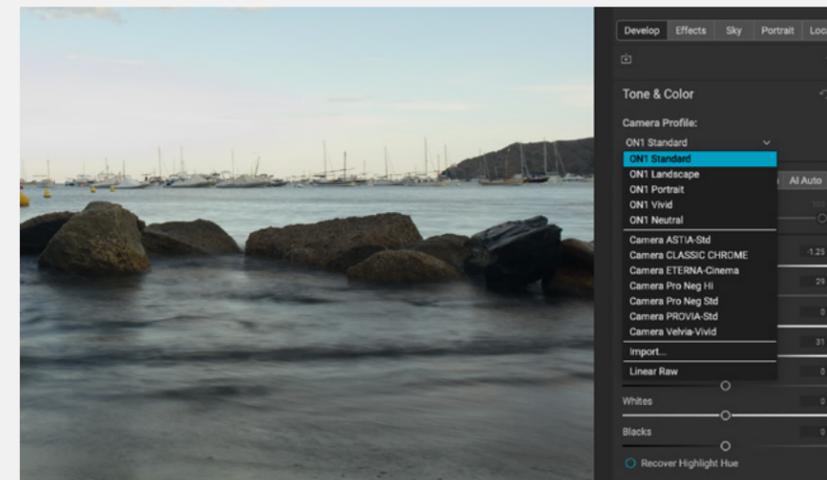
Section 1

What are Camera Profiles?



ON1 Standard is the default camera profile. Standard is the default interpretation of the raw data in your image. Selecting the Camera Profile menu will reveal all other camera profiles available in Photo RAW.

The first section of camera profiles are Photo RAW's built-in profiles, and the bottom section contains camera profiles specific to your camera. For example, the image I'm editing below was captured using a Fuji camera, and you can see those profiles below ON1's.



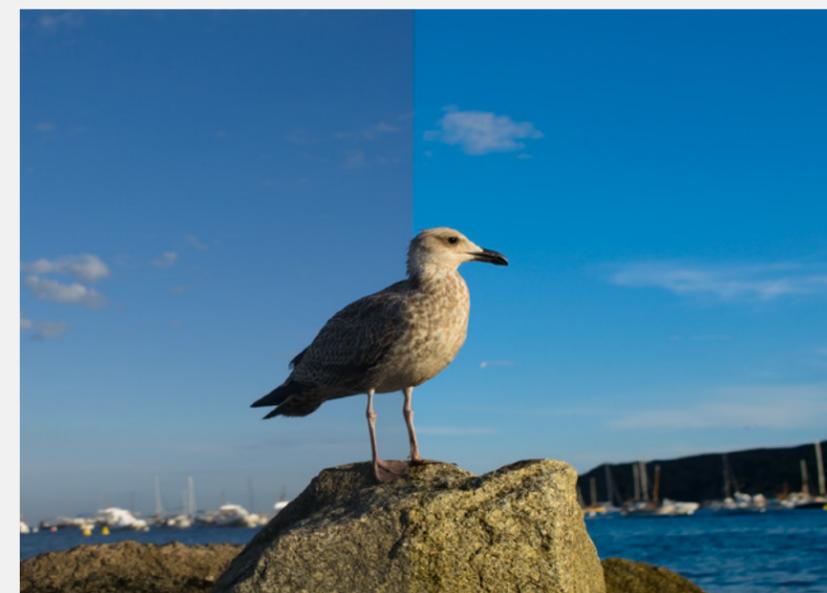
Each camera profile will apply a different look to your image. While every image is different, these are the typical looks applied in each of the camera profiles.

ON1 Landscape increases contrast, brightens midtones, and slightly enhances saturation.

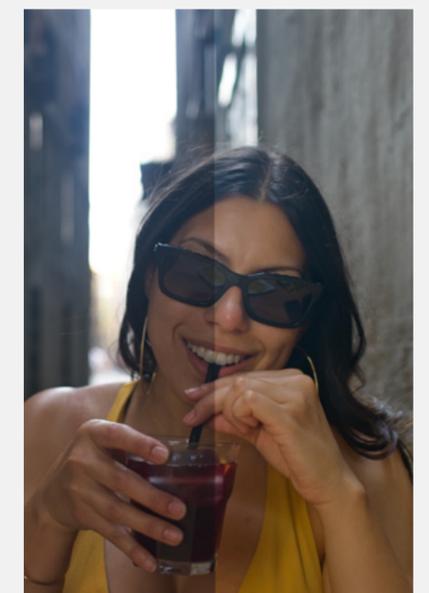
ON1 Portrait brightens the midtones and shadows. Enhances the color and increases contrast slightly.

ON1 Vivid increases the color saturation, enhances the contrast, and brightens midtones. (Similar to ON1 Landscape).

ON1 Neutral brightens the midtones and shadows, slightly enhances color. (Similar to ON1 Portrait).



ON1 Landscape



ON1 Portrait

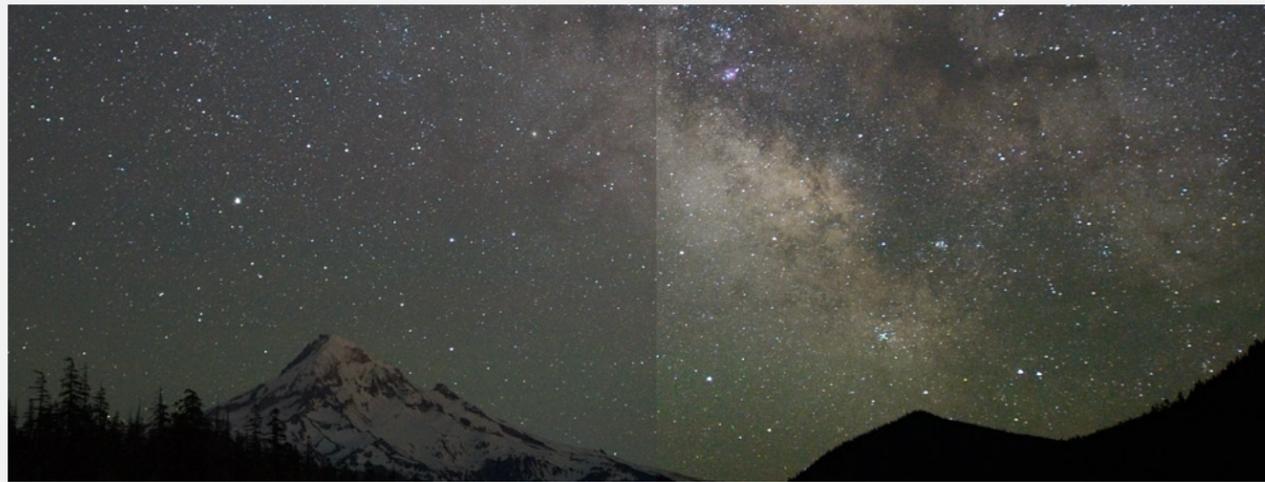
Section 2

ON1 Landscape



ON1 Landscape is a very useful camera profile and is an excellent starting point for most images that need a bit of contrast and a bump in brightness. Landscape also slightly enhances the color saturation to keep color vibrant. Since landscapes can appear relatively flat as raw images, ON1 Landscape can help give them the pop and punch they need to stand out. The ON1 Landscape camera profile isn't just great for landscape images; it looks great on various photographs and genres.

If the profile is adding in too much contrast for your taste, try modifying the exposure or midtones slider to even out the brightness and contrast in the image.



Section 3

ON1 Portrait



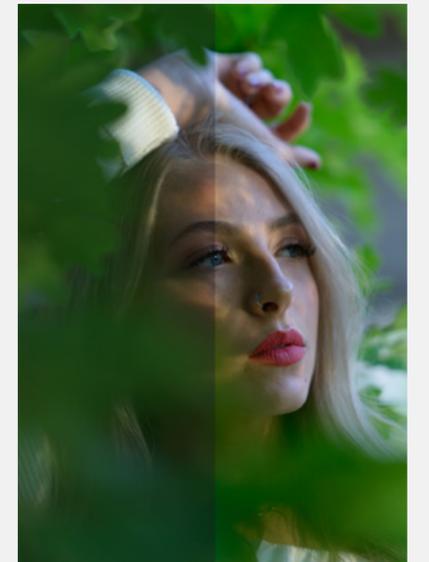
ON1 Portrait brightens up the midtones in the image while adding in some contrast and a splash of saturation. Boosting midtones is great for skin tones as it incorporates a bit of light into the subject. Hence why this profile works excellent in portraiture. You could also use this profile to give a darker image a midtone bump.

ON1 Portrait doesn't modify contrast as much as Landscape or Vivid; adjust if needed to ensure your image doesn't appear flat.



Quick portrait starting point:

- Use ON1 Portrait camera profile
- Modify exposure if necessary
- Increase contrast to taste
- Boost midtones if contrast darkened them
- Adjust temperature



Section 4

ON1 Vivid



ON1 Vivid is very similar to ON1 Landscape in its contrast and midtone modifications. ON1 Vivid, however, focuses a bit more on the colors in the image by brightening them a tad and lending in more saturation to the scene. If your image is flat and the colors seem dull, this profile may be the one for you. The Vivid profile is perfect for images that need a color quick color boost along with some contrast and a little brightness.

Just like with ON1 Landscape, the ON1 Vivid profile is a great starting point for a variety of scenes - try it on food or wildlife photos!



Pro tip:

Camera profiles can make quite the difference in your image but most of the time they don't quite edit the image to completion. I would recommend fine-tuning the photograph even after using camera profiles to ensure the image looks exactly how you want it to look. Don't be afraid to move sliders around - you can always reset them!

Section 5

ON1 Neutral



ON1 Neutral increases the overall brightness in your image but targets the shadows and midtones to "neutralize" the image and make it appear flat. The Neutral profile is excellent for slightly underexposed photographs or images with a lot of natural contrast. ON1 Neutral will brighten those darker areas in the scene to reveal the details that may have been hidden before. The Neutral profile also maintains the color saturation well, even though it brightens.

When using the ON1 Neutral profile, keep an eye on the contrast in your image. Since this profile incorporates light into the scene, your image may need a slight contrast boost.



Section 6

Creating Your Own Custom Profiles



To build a new profile, you'll require a color profiling target and special software that creates the profile. ON1 worked with X-Rite Inc. during the development process to create a workflow that helps ease this process and ensure consistent results when building camera profiles. In addition to ON1 Photo RAW 2022, you'll need a reference target, such as one of the ColorChecker series, and X-Rite's ColorChecker Camera Calibration app.

NOTE: You can find the different ColorChecker options on the X-Rite website at xritephoto.com/camerasolutions.

The process for creating a custom profile is as follows:

- Turn off automatic white balance on your camera; set it to the lighting conditions—daylight, tungsten, flash, fluorescent—in which you are shooting the target.
- Place the color reference target in the center of your scene, with even light. Take the photo.
- Open the photo in Photo RAW's Develop tab.
- In the Camera Profile section of the Tone & Color panel, choose the Linear Raw profile from the pop-up.
- Click on the dropper icon in the Color section of the Tone & Color panel (see page 121), and click on one of the light gray patches in the target. This will neutralize the image.
- Using the Export feature, export your photo as a TIFF, selecting the Camera Calibration color space from the pop-up under the file type option. (See page 208 if you need help with exporting photos from Photo RAW.)
- Using X-Rite's ColorChecker Camera Calibration software, open the exported TIFF file.

The app should find and align the target; if so, click the Create Profile button, and save the exported profile. If it doesn't find the target, follow the guidelines in the software to help improve your chances with a new photo.

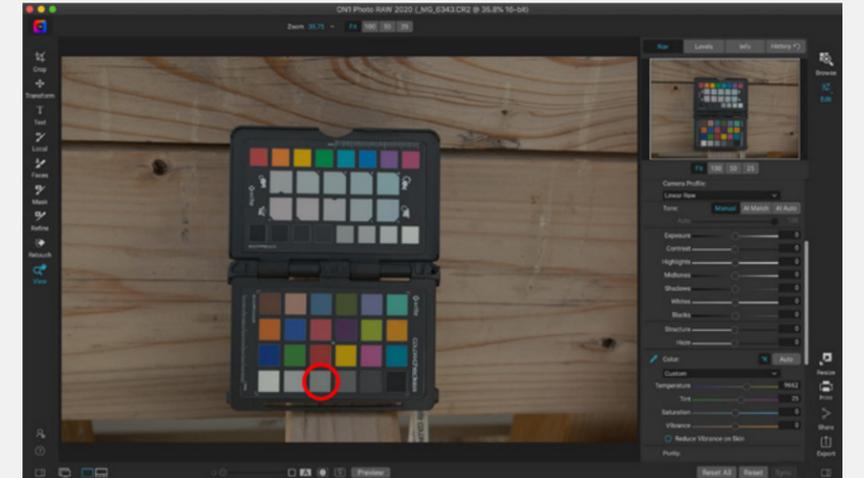
- In Photo RAW, go to the Develop module with a photo created with the camera you profiled. In the Tone & Color panel, click on the Import Profile item in the Camera Profile pop-up menu. Find the exported profile and choose Open. Your profile is now installed.

Section 6

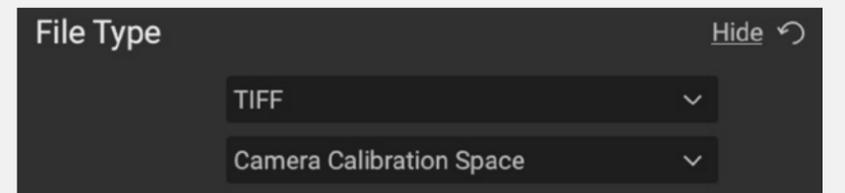
Creating Your Own Custom Profiles



When you open the photo with the color target, set the camera profile to Linear Raw, and use the gray dropper to neutralize the photo, by clicking on one of the light gray targets (circled, above).



When exporting your neutralized target, set the file type to TIFF, and the color space to Camera Calibration Space.



Using X-Rite's ColorChecker Camera Calibration app, you can open the exported TIFF file, and create your own custom camera profile. Then, import the profile via the Camera Profile pop-up in Develop to use it with any photos taken with that camera.

