

icon.farbtausch.tiff ↗ Replace Colors

This tool is used for replacing a certain color interval (Original) with another (Replacement).

Farbton und Sättigung; ↗ Hue and Saturation

The intervals are defined by their ^aHue° (H), ^aIntensity° (I), and ^aSaturation° (S) components, in accordance with the HIS color model. Two color wheels are displayed. The *<Replacement>* wheel defines the hue and saturation of the color interval that will replace the *<Original>* interval. Intensity is not varied. (For altering intensity during the color replacement, use the controls in the extended panel (;TMSFarbenTauschen2.rtf; ; ↗).)

The graphical display of hue and saturation in the color wheels works as follows:

An interval for hue is defined by the space between by two radial lines. The size of this wedge-shaped sector can be changed by clicking on one of the boundary lines and dragging it with the mouse. The saturation interval is defined by the band between two concentric circles. The inner circle of the band can be set to zero, i.e., no saturation. You can change the saturation interval by clicking on one of the circles and dragging it toward or away from the center of the color wheel. The intersection of these two zones creates a shape which defines the desired color interval. The selected interval is displayed in more intense colors to make it easier to see.

The shape of the interval can also be adjusted using the following methods:

1. If you click inside the interval and drag the shape, all components can be changed at once, with the shape of the interval retaining its

proportions. The sector between the radial lines can be rotated around the wheel and its width will remain constant. Likewise, you can drag the circular band toward or away from the center of the wheel, and the distance between its two boundary circles will remain constant.

2. If you click in an area that is covered by neither the hue sector nor the saturation ring, you can rotate the hue sector without affecting saturation.

3. If you click in an area that is not covered by the hue sector but is part of the ring for saturation, you can widen or narrow this ring without affecting hue.

The arrow button `264236_paste.tiff` in between the color wheels determines the sequence in which the colors will be replaced.

Einzeltonanzeige;↵Display

When the extended panel (`;TMSFarbenTauschen2.rtfd;;↵`) is not in use, this slider bar defines the intensity with which the color wheels are displayed. The display intensity can only be changed within the bounds specified by the left and right values of the slider. (These values can only be changed in the extended panel.)

Note: This slider is only for changing the intensity of the display of the color wheels. Its setting has no effect the color intervals themselves.

Select Original Color Interval

In the *<Original>* wheel you define the hue and saturation of the colors you want to replace. They can be picked from the image using an eyedropper in *°Edit Element°* mode. Each time you click on a pixel in your image, this color is selected in the source color wheel. An additional click discards the former selection and sets a new one. If you hold down the *Shift* key, successive color selections will cumulatively be added to the interval. If you keep the left mouse button pressed while moving the mouse around in your image, an interval is created based on all the colors touched. The selection

becomes visible only after releasing the mouse button.

Observe Image Mask

If this option is activated, the image mask is observed when modifying the image.

Transfer Original

After you've finished selecting the colors you want to replace, you can transfer the color interval of the original colors to the replacement color wheel by clicking this command. This is useful if you only want to make slight changes in the interval, or if you want to move it to a completely different color area without changing the interval boundaries.

Preview

A preview image using the current settings is created and displayed. The changes shown in the preview can be undone by deselecting the image.

Apply

The selected image is modified according to the settings you've made.

Clicking this control bar, extends the *Replace Colors* panel and provides access to further options.

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Next: ;TMSFarbenTauschen2.rtfd;;↵ Replace Colors (Extended Panel)