


Tutorial 3 Various methods of COLOUR REDUCTION without Colour Grouping (version 4.0 or better)

This Tutorial illustrates how to reduce colours in scanned images using the Change and Fill Multi-Colour and Change Colour by Pen options.

This section will review all of the 'Change Multi-Colour' options that appear when the following functions are used: *Colour Fill, Change Colour and Change Colour By Pen.*


FIRST THING'S FIRST...

There is no perfect formula for reducing colours in a scanned image since all scanned images will vary in colour & contrast. The options explained here will show you how to use the '*multi-colour*' change options available within Colour Matters and Fashion Toolbox.

Place the image/fabric to be scanned on your scanner and click on the '*scan*' icon  within Colour Matters. For optimum results check your user's manuals provided with your scanner hardware for suggestions and troubleshooting.

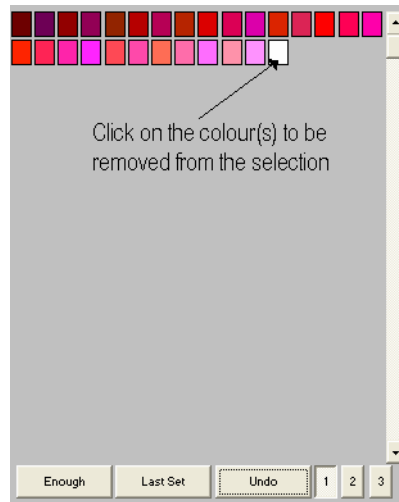
Once the image/fabric is scanned, use the techniques described in this section to help you reduce colours and clean-up the image(s).

Colour Fill  & **Multi-Colour Fill** 

Select the 'Colour Fill' function and then click on the 'Multi-Colour Fill' option, .



#1. Collecting all the reds & pinks



#2. White/s are removed.

Now choose which Selection Criteria you wish, ie Level 1, 2 or 3.

Level 1 is used for images with 256 colours or less.

Level 2 with 256 to 65,000 colours and

Level 3 is for True Colour (scanned or digital images).

We will select level 1 for this exercise as this image has only 155 colours.


Now we need to pick the colour we will be changing our selection to. Click the desired colour from any colour card (or to pick a colour from any other location in the drawing area hover the cursor over the required colour and hit the “E” key on your keyboard).

Now, return to the drawing area to select the colours to be changed. In the above illustration, you click down at the top edge of a red leaf, move the cursor to a lower edge of the same leaf still in the red area, and click down to “collect” multiple colours ready to be changed to a single colour. Remember, you can add as many “lots” of red as you wish by clicking on different areas of the design.

To remove any of the colours that have been collected, click on the corresponding colour chip (see above) to eliminate it from the selection. Once the desired range of colours have been selected, clicking on 'Enough', , will end the selection process. After clicking 'Enough', the window will change to read 'Add', . The reason “Add” is displayed is if you find you haven’t enough selections to change ALL the reds in the design, you will need to “add” more reds.

Try it and see what happens:-

Click the “Add” button, move your cursor to another red leaf and make another selection. You will notice some more reds are added to your Selection Box. Click enough to finish.


Now we will need to fill the colour we picked earlier into the leaves. Move your Paint Can  to the desired leaf or leaves, and click down to change all the different colour reds to your chosen substitute colour.



The section/s where the cursor is pointing has been filled with one solid colour; in this case, red.


This 'Multi-Colour Fill' procedure can be repeated as often as necessary to manually reduce the amount of colours within a scanned image. This is particularly handy if you want to retain the background texture of the fabric.

Change Colour **& Multi-Colour Change**

After selecting the 'Change Colour' function, click on the 'Multi-Colour Change' option, .

Select Level 1, 2 or 3 for the number of colours in the image (Level 1 in this example)

Now, return to the drawing area and select multi-colour areas with your cursor. The illustration #1 below shows a rectangle being drawn with the cursor; it is collecting the multiple range of colours at the bottom right of your screen (illustration #2).

Click on 'Enough',  to end the selection.




#1. Collecting all background colours.




#2. Colours to be changed.

Point to the desired colour to change to (either on a Colour Card or anywhere on the Drawing Area): When this 'Multi-Colour Change' option is used, the colours will change throughout the entire image contained within the defined rectangular frame. Once the selection is completed and the 'Enough' button is clicked on, then point the cursor directly on the colour to change to. This will complete the operation. In this case, the multiple whites from the background can be changed to one single white.

Change Colour by Pen  & Multi-Colour Change 

This function is similar to the 'Change Colour' function. After selecting the 'Change Colour by Pen' function, click on the 'Multi-Colour Change' option, .

Select Level 1, 2 or 3 for the number of colours in the image (Level 1 in this example)

Now, return to the drawing area and collect multi-colour areas with your cursor. The illustration below (#1) shows a rectangle being drawn with the cursor; it is collecting the multiple range of colours at the bottom right of your screen (illustration #2). Click on 'Enough',  to end the selection.



#1. Collecting shades of reds.



#2. Colours to be changed.

Next, adjust the 'Pen Width', , to allow a good working section to be changed when drawing:

The illustration below shows that the cursor has converted into a circle, which represents the defined pen width. As you hold the left mouse and move it around the areas with shades of red, the multi-colour change will initiate. In this case, a teal colour was selected as the colour to change to.



This option allows the user to manually control the colours to be changed since the user is controlling the cursor.