

Corel **TUTOR**™



Correcting Images

Welcome to Corel PHOTO-PAINT® 10, a powerful tool for editing photos and creating bitmapped images.

In this tutorial, you'll learn how to perform basic image corrections to a scanned photo.

This is what the project will look like:



Before corrections



After corrections

This tutorial teaches you how to

- ! rotate an image
- ! crop image edges
- ! fix damaged areas
- ! adjust image tone
- ! save to a new file format

Before you start

You will need to download the sample file found on first page of the online tutorial, or substitute your own file.

Open an image


You'll start by opening the sample file or your own file.

1. Click **File** menu ▶ **Open**.
2. From the **Look in** list box, choose the drive and folder where you saved the file.
3. Double-click the filename.

Rotate an image

You can rotate an image by a preset amount or a custom amount.

You'll use a preset amount to rotate the sample image.

1. On the **Standard** toolbar, choose **1 to 1** from the **Zoom level** list box . You can now see the actual size of the sample image.
2. Click **Image** menu ▶ **Rotate** ▶ **90° clockwise**.

Crop image edges

You can remove unwanted areas of an image by cropping.

You'll crop the white border that displays around the edges of the sample image.

1. Click the **Maximize** button  in the top-right corner of the image window to view the white space around the sample image.
2. In the toolbox, click the **Deskew crop** tool .







3. Drag the **Deskew crop** tool across the image to create a rectangle. Enclose as much of the image in the rectangle as possible without including any white space. You can adjust the rectangle by dragging a sizing handle or reset the **Deskew crop** tool by double-clicking outside the rectangle.
4. Double-click inside the rectangle to remove the area outside.

Handles - definition
A set of eight black squares that appear at the corners and sides of a rectangle which encloses an image area. You can drag the handles to resize the rectangle.


Fix damaged areas

The **Clone** tool lets you copy pixels from one image area to another. When you use the **Clone** tool, two brushes display in the image window: a source point brush and a brush that applies the copied pixels from the source point.

You'll fix a tear at the top of the sample image by using the **Clone** tool.

1. In the toolbox, open the **Zoom tools** flyout , and click the **Zoom** tool .
2. Drag across the tear mark at the top of the image to enclose the area around the tear in the zooming rectangle.
3. In the toolbox, open the **Brush tools** flyout , and click the **Clone** tool .
4. On the property bar, open the **Clone tool** picker , and click **Clone tool** .
5. From the **Brush type** list box on the property bar, choose **Normal clone** to reset the clone settings.
6. Move the **Nib size** slider on the property bar to set the value at **12**.
7. Click beside the tear mark to set the source point.
8. Click on the tear mark to copy the pixels from the source point. Continue to click and drag along the tear mark.

Pixel - definition
A colored dot that is the smallest part of a bitmapped image

You can reset the source point by right-clicking to set the second brush as the source point.
*You can also undo actions by clicking the **Undo** button  on the **Standard** toolbar.*





9. On the **Standard** toolbar, choose **1 to 1** from the **Zoom level** list box to evaluate the results.

Adjust image tone

Corel PHOTO-PAINT 10 has many filters and tools that let you adjust the color and tone of an image.

The sample image is slightly dark. You'll correct this problem using the **Brightness-Contrast-Intensity** adjustment filter. This filter lets you darken an image by decreasing values or lighten an image by increasing values. As you increase the brightness, you'll need to increase the contrast and intensity settings to retain image detail. You can experiment with different settings until you achieve the results you want.

1. Click **Image** ▶ **Adjust** ▶ **Brightness-Contrast-Intensity**.
2. Click the **Single preview window** button  and ensure the **Preview** button  appears pressed, to compare the adjusted image with the original image.
3. Drag the following sliders to increase the values and lighten the image:
 - ! **Brightness**—lightens or darkens all pixels equally
 - ! **Contrast**—adjusts the difference between light and dark colors
 - ! **Intensity**—brightens light areas or darkens dark areas
4. Click **OK**.

The sample image was corrected using the following settings:

- ! Brightness=20
- ! Contrast=10
- ! Intensity=10

Save to a new file format

Corel PHOTO-PAINT 10 offers a wide variety of file formats. The sample image is a scanned photo saved as a **.tif** file. If you want to email an image, you probably want to change the file format in order to reduce the file size.

You'll save the sample image in the JPEG format.

1. Click **File** menu ► **Export** ► **Export**.
2. From the **Files of type** list box, choose **JPG-JPEG bitmaps**.
3. Click **Save**.
4. In the **JPEG export** dialog box, enable the **Preview** button to preview the change in image quality.
You can drag inside the preview window to view other parts of the image.
5. Drag the **Compression** slider to change the file size, which is displayed in the bottom-right corner. A higher compression number results in a smaller file size but decreases image quality.
6. Click **OK**.

From here ...

In this tutorial, you have learned some basic image-editing techniques that you can use to correct images. For more information about the topics and tools discussed in this tutorial, refer to the online Help.

To access the online Help click **Help** ► **Help topics**, click the **Index** tab, and type the following:

For more information about ...	Type
Rotating images	rotating, images
Cropping images	cropping, images
Cloning images	Clone tool
Color and tone adjustment filters	correcting, color
File formats	file format