



## KnockOut 2

### Cutting out Areas

Welcome to KnockOut 2, a powerful masking tool that lets you isolate foreground objects with a high level of accuracy.

### What you will learn

In this tutorial, you will knock out background areas that show through the foreground. As you complete the project, you'll learn how to

- cut out background areas showing through the foreground
- process an image and evaluate the results
- view an image against a different background
- save an image as a KnockOut project

This is the project you'll complete.



### Before you start

Before you start, you need to download the sample file you'll work on in this tutorial. To do this, follow the instructions provided online.

## Open the sample file

You'll start by opening the sample file containing the knocked-out image of a man reading a book by a river. To do this, you must first return to your host application by clicking **KnockOut 2** ▶ **Quit KnockOut 2** (Mac® OS X) or **File** ▶ **Quit** (any other OS).


## Open the sample file in Adobe® Photoshop®

1. Click **File** menu ▶ **New**.
2. In the **New** dialog box, type:
  - width — 500 pixels
  - height — 501 pixels
3. Click **OK**.
4. Click **Layer** menu ▶ **Duplicate layer**.
5. Click **Filter** menu ▶ **KnockOut** ▶ **Load saved project**.
6. Choose the folder where you saved the sample file.
7. Double-click the filename **man\_reading.cko**.
8. When prompted, click **OK** to process the image.

## Open the sample file in CorelPHOTO-PAINT®



1. Click **File** menu ▶ **New**.
2. In the **Create a new image** dialog box, type:
  - width — 500 pixels
  - height — 501 pixels
3. Click **OK**.
4. Click **Object** menu ▶ **Duplicate**.
5. Click **Effects** menu ▶ **KnockOut** ▶ **Load saved project**.
6. Choose the folder where you saved the sample file.
7. Double-click the filename **man\_reading.cko**.
8. When prompted, click **OK** to process the image.

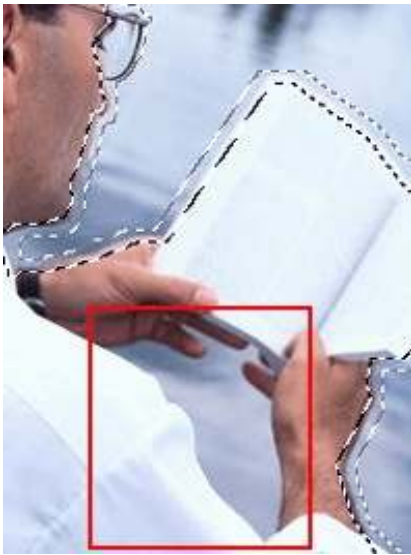
## Open the sample file in Corel® Painter™ 6 or Painter 7™

1. Click **File** menu ▶ **New**.
2. In the **New** dialog box, type:
  - width — 500 pixels
  - height — 501 pixels
3. Click **OK**.
4. On the **Objects** palette, click **Layers**.
5. At the bottom of the **Layers** section, click the **Create new layers** button , and click **New layer**.
6. Click **Effects** menu ▶ **KnockOut** ▶ **Load saved project**.
7. Choose the folder where you saved the sample file.
8. Double-click the filename **man\_reading.cko**.
9. When prompted, click **OK** to process the image.



## Cut out the larger area of background showing through the foreground

In the sample image, the man's posture creates two areas where the background shows through - a larger area bounded by his hands, shoulder, and book, and a smaller area between his arm and his leg. You'll now cut out the larger background area that shows through the foreground.

1. Click the **Zoom** tool .
2. On the property bar, choose a zoom level of **400%** from the list box.
3. Click the **Hand** tool , and drag the image until the larger area you want to cut out is visible in detail.





*This example shows the position of the zoomed-in area.*

4. Click the **Inside object** tool .
5. On the property bar, click the **Inside object subtraction** button , and draw around the area you want to cut out. You should not pass through any of the background.



*This example shows where to draw the subtraction line. To view an animation of the process, check the online version of this tutorial.*

6. Click the **Outside object** tool .
7. On the property bar, click the **Outside object subtraction** button , and draw within the cutout area, tracing its shape.

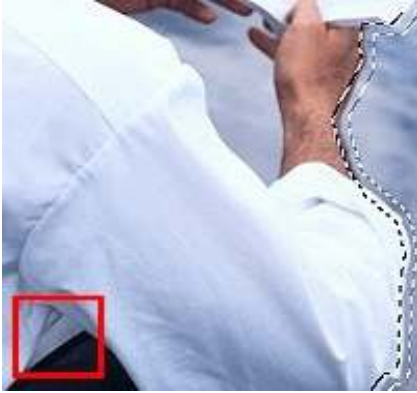


*This example shows where to draw the subtraction line. To view an animation of the process, check the online version of this tutorial.*

## **Cut out the smaller area of background showing through the foreground**

Next, you'll cut out the smaller area of background that shows through the foreground.

1. Click the **Hand** tool, and drag the image until the smaller area you want to cut out is visible in detail.




*This example shows the position of the zoomed-in area.*

2. Click the **Inside object** tool.
3. On the property bar, click the **Inside object subtraction** button, and draw around the area you want to cut out.



*This example shows where to draw the subtraction line. To view an animation of the process, check the online version of this tutorial.*



4. Click the **Outside object** tool.
5. On the property bar, click the **Tweezers** button , and click several pixels within the cutout area that represent the colors you want to remove from the background.

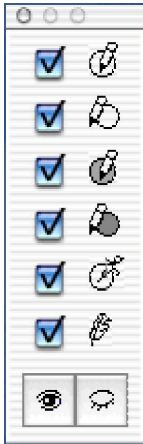


*This example shows where to select the single pixels. To view an animation of the process, check the online version of this tutorial.*

## Process the image and evaluate the results

Next, you'll process the image and evaluate the results. To get a better view of the knocked-out image, you'll hide all selection lines. You'll also switch between different views of the image. Then, you'll view the knocked-out image against a different background image.

1. On the **Process** palette, click the **Process** button .
2. On the **Selection** palette, click the **Closed eye** button  to hide all selection lines.



*The **Selection** palette lets you hide or display any or all of the selection lines you have drawn.*

3. Hold down **Command** (Mac® OS) or **Ctrl** (Windows®), and press one of the following keys:
  - **1** — displays the original image
  - **2** — displays the knocked-out image
  - **4** — displays the alpha channel (a temporary storage area for masks)
4. Return to the knocked-out image by pressing **Command + 2** (Mac OS) or **Ctrl + 2** (Windows).
5. In the toolbox, click the **Image** button .



## Save the image as a KnockOut project

Now you'll save the project you just created.

1. Click **File** menu ▶ **Save project as**.
2. Choose the folder where you want to save the file.
3. Type a filename, and click **Save**.

## From here...

Now that you have learned how to cut out background areas showing through the foreground, you can explore KnockOut on your own or learn about other features by completing another tutorial.