



## 10.1.7 Editors - Compositor Editor - Header - Add Menu - Output

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### Detailed table of content

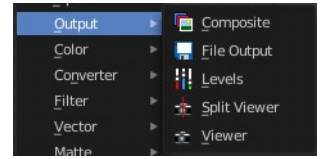
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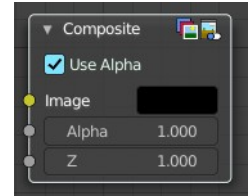
## Add menu - Output

Here you will find nodes to output the result.



### Composite

The Composite node is where the actual output from the Compositor is connected to the renderer. This node is updated after each render, but also reflects changes in the node tree (provided at least one finished input node is connected).



### Inputs

Connecting a node to the Composite node will output the result of the prior tree of that node to the Compositor.

### Image

RGB image. The default is black, so leaving this node unconnected will result in a blank image.

### Alpha

Alpha channel.

### Z

Z depth.

### Properties

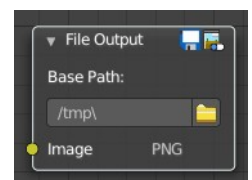
#### Use Alpha

Used alpha channel, colors are treated alpha premultiplied. If disabled, alpha channel gets set to 1, and colors are treated alpha straight, i.e. color channels does not change.

Note that if multiple Composite nodes are added, only the active one will be used.

### File Output

This node writes out an image as part of a frame set sequence. This happens for each specified frame range and specified to the entered filename.



This node can be used as a way to automatically save the image after a render; In addition, since this node can be hooked in anywhere in the node tree, it can also save intermediate images automatically.

## Inputs

### Image

The image(s) will be saved on rendering, writing to the current frame. An entire sequence of images will be saved, when an animation is rendered.

Note. To support subsequent arrangement and layering of images, the node can supply a Z-depth map. However, please note that only the OpenEXR image formats save the Z information.

## Properties

### Base Path

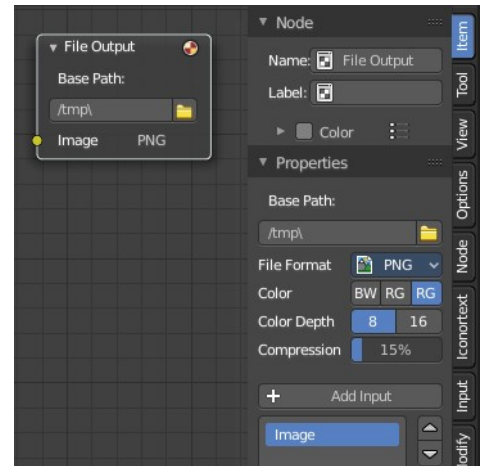
Unlike the render output file path, this node uses a base directory and an image name, by default the output path is composed of: {base path}/{file name}{frame number}.{extension}.

Besides being split into two settings, in all other respects, this setting is treated the same as the render output path.

### File Format label

Shows the selected File Format.

You can find further export options in the sidebar in the Item tab in the Properties panel.



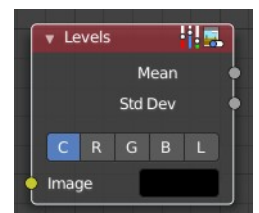
## Levels

The Levels Node read the inputs color channels and outputs analytical values.

## Inputs

### Image

The image input.



## Properties

### Channel

The channels. C (Combined RGB), R (Red), G (Green), B (Blue), L (Luminance)

## Outputs

1D values based on the levels of an image.

### Mean

The mean is the average value of all image pixels in specified channel (combined, red, green, blue, luminance). It tells you how dark or bright the image is and can be used as such for setups that depend on how is input “bright” or “dark”.

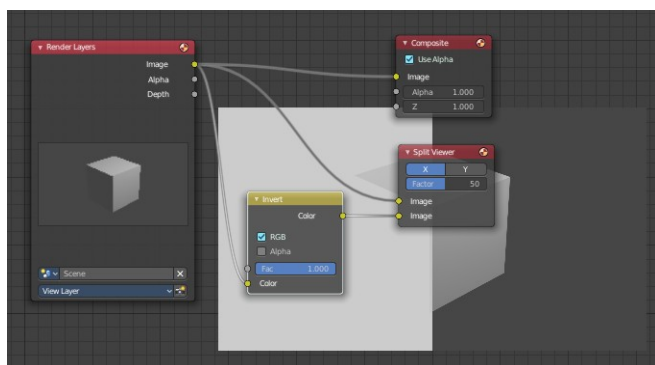
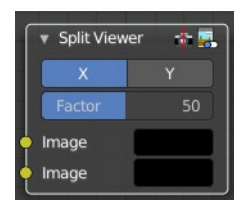
### Std Dev (Standard deviation)

How much those pixel values differ from the mean. A low standard deviation indicates that the pixel values tend to be very close to the mean. A high standard deviation indicates that the values are spread out over a large range of values.

The visualization of such data is just a gray rectangle.

## Split Viewer

The Split Viewer node takes two images and displays them side-by-side as backdrop or as a Viewer Node output. This allows you to toy around with values in direct comparison to the original. Or to compare frames with each other.



## Inputs

### Image

The first image input

### Image

The second image input

## Properties

### Axis

X tiles the images horizontal. Y tiles the images vertical.

## Factor

Percentage factor setting the space distribution between the two images.

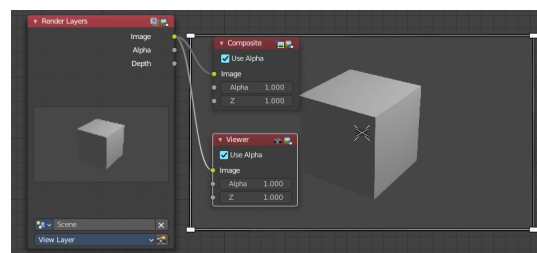
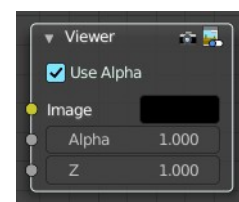
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## Viewer

Displays the output as a backdrop in the viewport or in the Image editor. This allows you to inspect the outputs everywhere in the node hierarchy.

You can have more than one viewer nodes in the node editor. Just the output of the active Viewer node will be displayed. Click at a node to set it active.

When a Viewer node is selected, then the backdrop shows a widget cage that allows you to resize the backdrop image by its handlers.



## Input

### Image

RGB image. The default is black, so leaving this node unconnected will result in a blank image.

### Alpha

Alpha channel.

### Z

Z depth.

## Properties

### Use Alpha

Used alpha channel, colors are treated alpha premultiplied. If disabled, alpha channel gets set to 1, and colors are treated alpha straight, i.e. color channels does not change.