

Node Editor Header with Composite Nodes enabled

To activate nodes for compositing, click the *Use Nodes* checkbox. Blender creates a default node setup, consisting out of two nodes linked together.

Note

After clicking *Use Nodes* the Compositor is enabled however, it can also be disabled in the *Post Processing Panel*.

You now have your first node setup, a RenderLayer input node linked to a Composite output node. From here, you can add and connect many *types of compositing nodes*, in a sort of map layout, to your heart's content (or physical memory constraints, whichever comes first).

Note

Nodes and node concepts are explained in more detail in the *Node Editor*

Options

Free Unused Button

This button frees up memory space when you have a very complex node map.

Backdrop

Use the active viewer node output as a backdrop. When enabled, additional settings appear in the Header and the Properties Panel:



Backdrop Channels.

Backdrop Channels

Set the image to be displayed with *Color*, *Color and Alpha*, or just *Alpha*.

Zoom

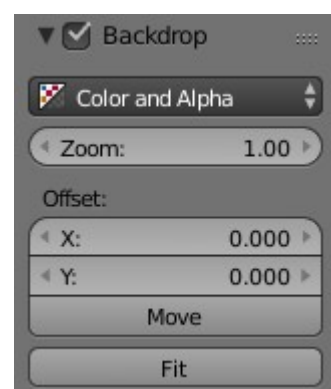
Sets how big the backdrop image is.

Offset

Change the screen space position of the backdrop, or click the *Move* button, or shortcut **Alt - MMB** to manually move it.

Auto Render

Re-render and composite changed layer when edits to the 3d scene are made.



Backdrop Options

Performance Settings

Render

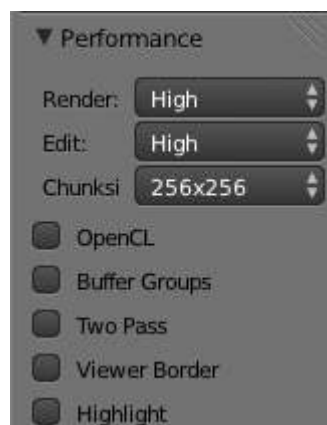
Set quality when rendering in Node Editor.

Edit

Set quality when editing in Node Editor

Chunk Size

Max size of a tile (smaller values give better distribution of multiple threads, but more overhead).



Performance Settings

OpenCL

Enable GPU calculations when working in Node Editor.

Buffer Groups

Enable buffering of group nodes.

Two Pass

Use two pass execution during editing: first calculate fast nodes, second pass calculate all nodes.

Viewer Border

Use boundaries for viewer nodes and composite backdrop.

Highlight

Highlight nodes that are being calculated.

Examples

You can do just about anything with images using nodes.

Raw footage from a foreground actor in front of a blue screen, or a rendered object doing something, can be layered on top of a background. Composite both together, and you have composited footage.

You can change the mood of an image:

- To make an image ‘feel’ colder, a blue tinge is added.
- To convey a flashback or memory, the image may be softened.
- To convey hatred and frustration, add a red tinge or enhance the red. The film ‘Sin City’ is the most extreme example of this I have ever seen.
- A startling event may be sharpened and contrast-enhanced.
- A happy feeling - you guessed it - add yellow (equal parts red and green, no blue) for bright and sunny.
- Dust and airborne dirt is often added as a cloud texture over the image to give a little more realism.