



8.3.2 Editors - Image Editor - Sidebar - Image Tab

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Introduction

In the Image tabs you can find further options and image settings. These settings changes, dependent of what you have selected. And in what mode you are

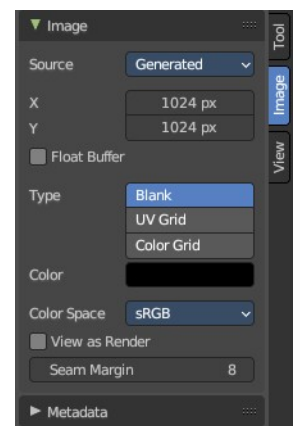


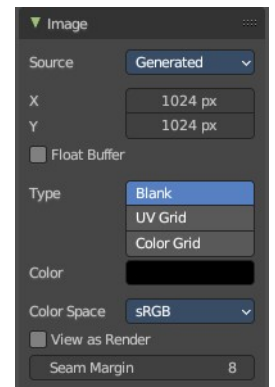
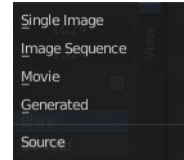
Image Panel

Find image related settings. Size, type, and so on.

Source

Choose the image type. This type gets usually automatically set. When you create a new image, then this image is generated. When you load an image then the Source switches to Single Image.

Generated images does not have a path.



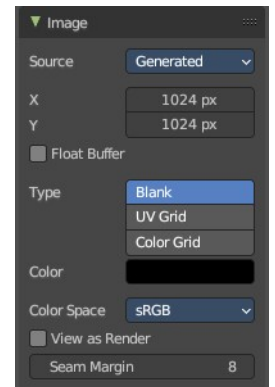
Source Type Generated

X / Y

The image width and height.

Float Buffer

Use a floating point buffer. 8 Bit images uses integers. 32 Bit works with floats.

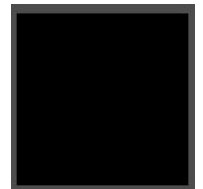


Generated Type Blank

This type displays an image with one blank color

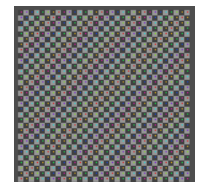
Color

The color of the blank image.



Generated Type UV Grid

This type displays a with a black and white checker texture but colored dots.



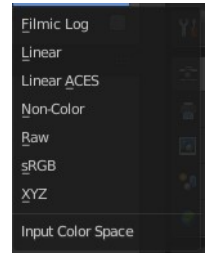
Generated Type Color Grid

This type displays a with a colored checker texture with numbers.



Color Space

Choose the color space type for the image.

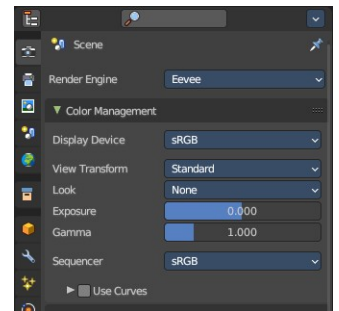


Half Float Precision

Just with image material that uses 32 bit float. Use just 16 Bit per channel instead of the full 32 bit. This lowers the memory usage while rendering.

View as Render

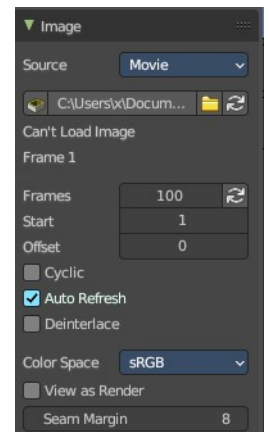
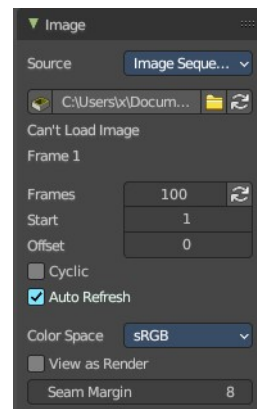
Display the image with using the color management settings. The color management can be adjusted in the properties editor in the Render tab.



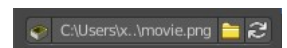
Seam Margin

This option belongs to the UV Editor, and has no effect in the Image editor. Take a margin into account when fixing UV seams during painting.

Source Type Movie + Image Sequence



Path edit box



Pack

With this button you can pack the movie or the image sequence into the blend file. It gets packed when you save the blend file the next time.

Path edit box

See and edit the path to your movie or image sequence files.

Open

Open a new movie or image sequence files. A file dialog will appear.

Refresh

Reread the movie or image sequence files.

Info string

Some information about the currently loaded movie. Frames, resolution and color space.

Frames

The number of frames of the movie or image sequence.

Match Movie Length

Set Users Image Length to the one of this video.

Start

The start frame of the movie or image sequence

Offset

Offset the number of the frame to use in the animation. -1 means off.

Cyclic

Cycle the images in the movie.

Auto Refresh

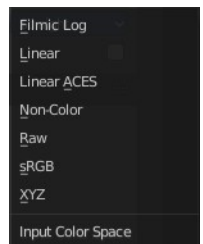
Always refresh image on frame changes.

Deinterlace

Deinterlace the movie file on load.

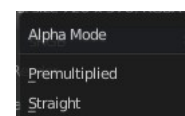
Color Space

Choose the color space type for the movie or image sequence files.



Alpha

Choose the alpha channel mode. Straight or Premultiplied.

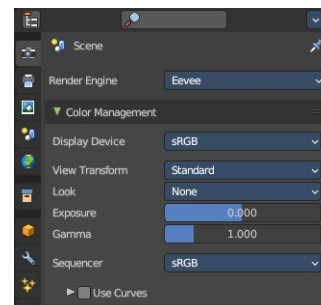


Half Float Precision

Just with image material that uses 32 bit float. Use just 16 Bit per channel instead of the full 32 bit. This lowers the memory usage while rendering.

View as Render

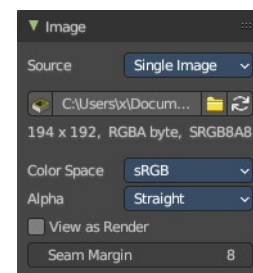
Display the image with using the color management settings. The color management can be adjusted in the properties editor in the Render tab.



Seam Margin

This option belongs to the UV Editor, and has no effect in the Image editor. Take a margin into account when fixing UV seams during painting.

Source Type Single Image



Path edit box

Pack

With this button you can pack the movie or the image sequence into the blend file. It gets packed when you save the blend file the next time.

Path edit box

See and edit the path to your movie or image sequence files.

Open

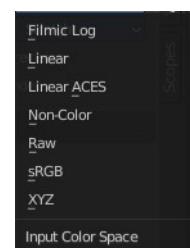
Open a new movie or image sequence files. A file dialog will appear.

Refresh

Reread the movie or image sequence files.

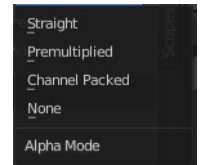
Color Space

The color space for the image.



Alpha

How to calculate the alpha channel.

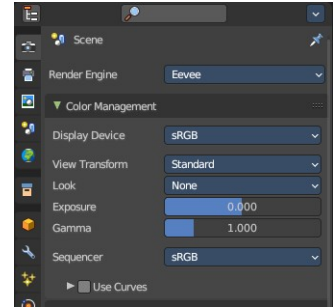


Half Float Precision

Just with image material that uses 32 bit float. Use just 16 Bit per channel instead of the full 32 bit. This lowers the memory usage while rendering.

View as Render

Display the image with using the color management settings. The color management can be adjusted in the properties editor in the Render tab.

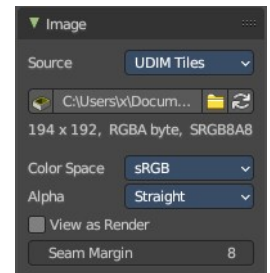


Seam Margin

This option belongs to the UV Editor, and has no effect in the Image editor. Take a margin into account when fixing UV seams during painting.

Source Type Udim

UDIM is an enhancement to the UV mapping and texturing workflow. And does not belong here. But in the UV Editor. It is just in the list because it shares the same menus with the UV Editor.

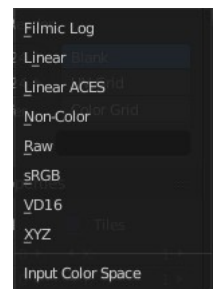


Info string

Some information about the currently loaded image. Resolution and color space.

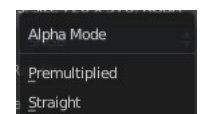
Color Space

Choose the color space type for the movie or image sequence files.



Alpha

Choose the alpha channel mode. Straight or Premultiplied.

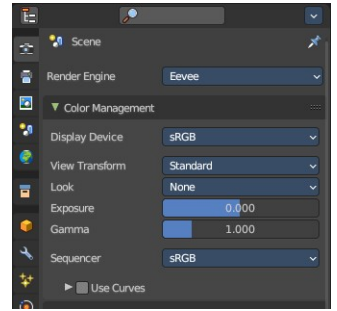


Half Float Precision

Just with color space sRGB. Use just 16 Bit per channel instead of the full 32 bit. This lowers the memory usage while rendering.

View as Render

Display the image with using the color management settings. The color management can be adjusted in the properties editor in the Render tab.



Seam Margin

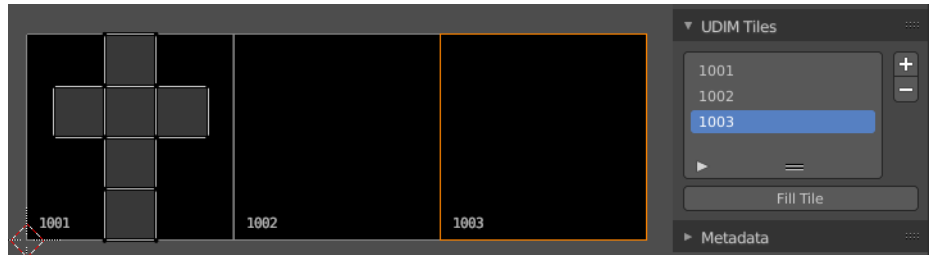
This option belongs to the UV Editor, and has no effect in the Image editor. Take a margin into account when fixing UV seams during painting.

UDIM Tiles Panel

Manage UDIM tiles. This panel shows with source type UDIM.

UDIM Tile List

List all UDIM tiles associated with the main index (1000 tile). Double clicking on the tile name allows renaming.



Number

The starting tile index number. UDIMs must start with the 1001 tile and typically increase in incremental order.

Drag Handler

The two vertical lines at the end is a handler with which you can expand the list.

Search Field

You can expand a search field at the bottom of the list. Type in your term and hit enter to filter for your term.



Invert

Exclude the search term instead of searching for it.

Sort by Name

Sort the List by name.

Add Tile

Adds new UDIM tiles to the group.

Add Tile dialog

Number

The UDIM tiles are identified by the number. It is four digits, and with increasing number.

Count

How many tiles to add.

Label

Leave blank to use the Number as the name in the list.

Fill

Fill the new tile with a generated image.

Color

The fill color for generated type Blank.

Width / Height

The dimensions of the image.

Alpha

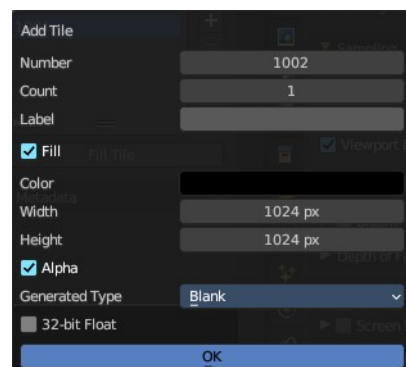
Does the image have an alpha channel.

Generated Type

The generated texture type.

32 bit float

Generate an image with 32 bit floating point bit depth.



Remove Tile

Remove the selected UDIM tile. Note that the place in the texture will then be blank. The tiles does not resort. The next created UDIM tile will then be placed in this gap.

Fill Tile

Occupy the UDIM tile with a Generated Image. You can change the fill type and texture tile size of a UDIM tile also afterwards with this fill tool. Note that this overwrites the settings of the currently active UDIM tile.

Warning! If a tile is not filled, it will not be saved with the image.

Fill tile dialog

Color

The fill color for generated type Blank.

Width / Height

The dimensions of the image.

Alpha

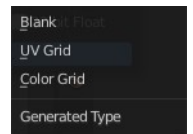
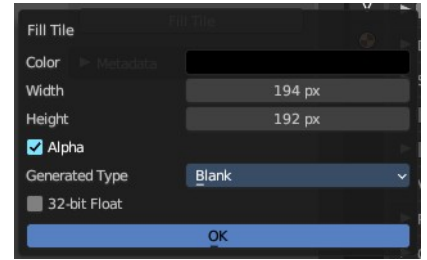
Does the image have an alpha channel.

Generated Type

The generated texture type.

32 bit float

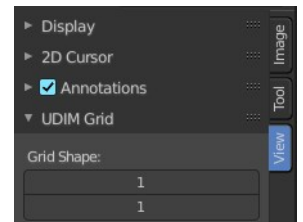
Generate an image with 32 bit floating point bit depth.



UDIM Workflow

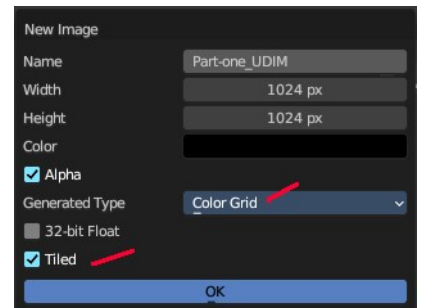
First set up the grid shape for the UDIM tiles.

This panel is in the View tab. And will vanish in the moment you add any texture. So do this setup beforehand. There is no way to show and change this grid panel afterwards.



Unwrap your mesh.

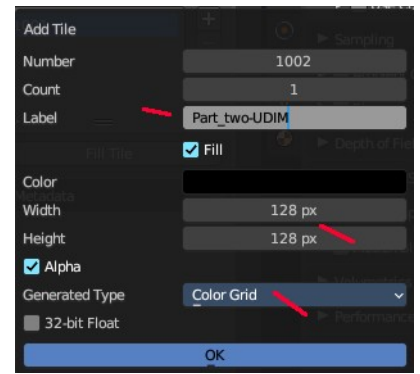
Add a generated texture, with generated type Color Grid (optional), and Tiled ticked.



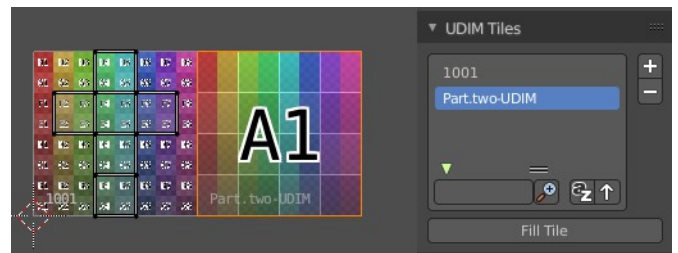
In the viewport you will now see one square UV space again, with the colored background image. And we have our first UDIM tile in the UDIM Tile list.



In the Tile list click at the Add button. And add another image. This time with another resolution.



The result is that we have two tiles besides each other, with different resolution.

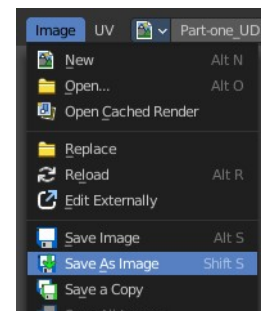
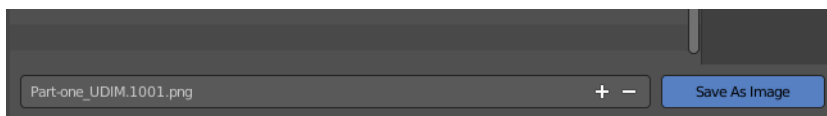


Create a third one. Or as much as you need.

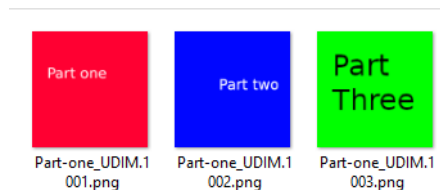


Next move the UV parts to the texture areas where you need them.

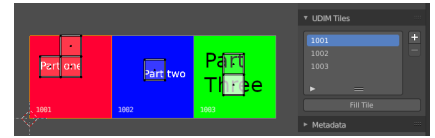
Now save the image. And by saving the one UDIM image all the sub images of this UDIM texture gets saved too.



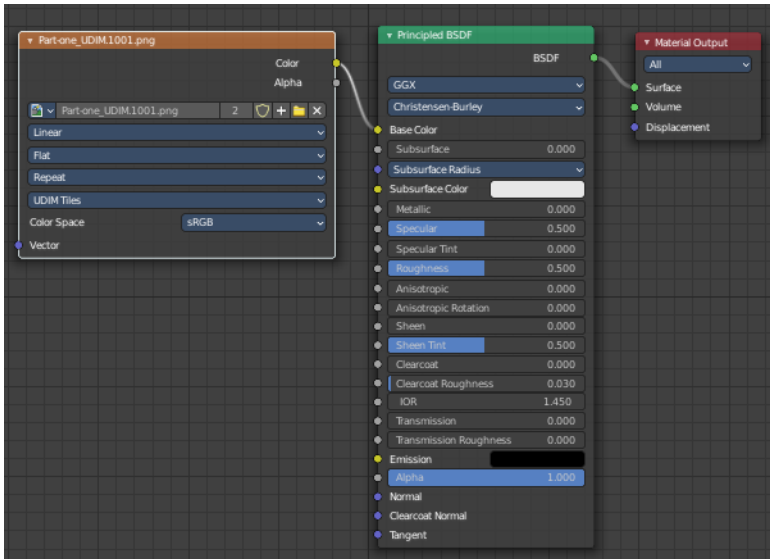
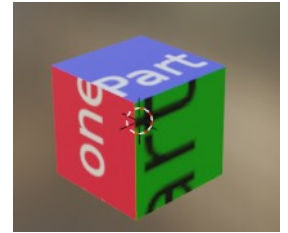
Save the blend file. Modify the textures to your needs.



To reload the modified textures either save, close and open Bforartists and reload the scene. Or use Open Image to open the first image of the UDIM textures. The rest will load automatically.



Next create a material. Add a texture. Choose the UDIM texture. And the material will now render with the UDIM textures applied.



Metadata Panel

Displays existing meta data of the image file.

