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base class — bpy_struct

class bpy.types.**BlendImportContextLibraries(bpy_struct)**

Collection of source libraries, i.e. blendfile paths

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

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References

- BlendImportContextItem.source_libraries

ColorBalanceModifier(StripModifier)

base classes — bpy_struct , StripModifier

class bpy.types.**ColorBalanceModifier(StripModifier)**

Color balance modifier for sequence strip

color_balance

TYPE:

StripColorBalanceData , (readonly)

color_multiply

Multiply the intensity of each pixel

TYPE:

float in [0, 20], default 1.0

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

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- StripModifier.show_expanded
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- StripModifier.mask_time
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- StripModifier.input_mask_id

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
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- bpy_struct.path_resolve

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ColorManagedDisplaySettings(bpy_struct)

base class — bpy_struct

class bpy.types.**ColorManagedDisplaySettings(bpy_struct)**

Color management specific to display device

display_device

Display device name

TYPE:

enum in [‘NONE’], default ‘NONE’

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values

References

- `ImageFormatSettings.display_settings` • `Scene.display_settings`

ColorManagedInputColorspaceSettings(bpy_struct)

base class — bpy_struct

class bpy.types.**ColorManagedInputColorspaceSettings(bpy_struct)**

Input color space settings

is_data

Treat image as non-color data without color management, like normal or displacement maps

TYPE:

boolean, default False

name

Color space in the image file, to convert to and from when saving and loading the image

TYPE:

enum in Color Space Convert Default Items, default 'NONE'

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
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- bpy_struct.keys
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- bpy_struct.is_property_hidden
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- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values

References

- Image.colorspace_settings
- ImageStrip.colorspace_settings
- MovieClip.colorspace_settings
- MovieStrip.colorspace_settings
- ImageFormatSettings.linear_colorspace_settings

ColorManagedSequencerColorspaceSettings(bpy_struct)

base class — bpy_struct

class bpy.types.**ColorManagedSequencerColorspaceSettings(bpy_struct)**

Input color space settings

name

Color space that the sequencer operates in

TYPE:

enum in Color Space Convert Default Items, default 'NONE'

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
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- bpy_struct.property_overridable_library_set
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- bpy_struct.type_recast
- bpy_struct.values

References

- `Scene.sequencer_colorspace_settings`

ColorManagedViewSettings(bpy_struct)

base class — bpy_struct

class bpy.types.**ColorManagedViewSettings(bpy_struct)**

Color management settings used for displaying images on the display

curve_mapping

Color curve mapping applied before display transform

TYPE:

CurveMapping, (readonly)

exposure

Exposure (stops) applied before display transform

TYPE:

float in [-32, 32], default 0.0

gamma

Amount of gamma modification applied after display transform

TYPE:

float in [0, 5], default 1.0

look

Additional transform applied before view transform for artistic needs

- NONE None – Do not modify image in an artistic manner.

TYPE:

enum in ['NONE'], default 'NONE'

use_curve_mapping

Use RGB curved for pre-display transformation

TYPE:

boolean, default False

use_hdr_view

Enable high dynamic range display in rendered viewport, uncapping display brightness. This requires a monitor with HDR support and a view transform designed for HDR. 'Filmic' and 'AgX' do not generate HDR colors.

TYPE:

boolean, default False

use_white_balance

Perform chromatic adaption from a different white point

TYPE:

boolean, default False

view_transform

View used when converting image to a display space

- NONE None – Do not perform any color transform on display, use old non-color managed technique for display.

TYPE:
enum in ['NONE'], default 'NONE'

white_balance_temperature
Color temperature of the scene's white point

TYPE:
float in [1800, 100000], default 6500.0

white_balance_tint
Color tint of the scene's white point (the default of 10 matches daylight)

TYPE:
float in [-500, 500], default 10.0

white_balance_whitepoint
The color which gets mapped to white (automatically converted to/from temperature and tint)

TYPE:
`mathutils.Color` of 3 items in [0, inf], default (0.0, 0.0, 0.0)

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:
id (*str*) – The RNA type identifier.

RETURNS:
The RNA type or default when not found.

RETURN TYPE:
`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:
id (*str*) – The RNA type identifier.

RETURNS:
The class or default when not found.

RETURN TYPE:
type

Inherited Properties

- `bpy_struct.id_data`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
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- `bpy_struct.id_properties_ui`
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- bpy_struct.is_property_hidden
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- bpy_struct.type_recast
- bpy_struct.values

References

- ImageFormatSettings.view_settings
- Scene.view_settings

ColorMapping(bpy_struct)

base class — bpy_struct

class bpy.types.**ColorMapping(bpy_struct)**

Color mapping settings

blend_color

Blend color to mix with texture output color

TYPE:

mathutils.Color of 3 items in [0, inf], default (0.0, 0.0, 0.0)

blend_factor

TYPE:

float in [-inf, inf], default 0.0

blend_type

Mode used to mix with texture output color

TYPE:

enum in ['MIX', 'DARKEN', 'MULTIPLY', 'LIGHTEN', 'SCREEN', 'ADD', 'OVERLAY', 'SOFT_LIGHT', 'LINEAR_LIGHT', 'DIFFERENCE', 'SUBTRACT', 'DIVIDE', 'HUE', 'SATURATION', 'COLOR', 'VALUE'], default 'MIX'

brightness

Adjust the brightness of the texture

TYPE:

float in [0, 2], default 0.0

color_ramp

TYPE:

ColorRamp, (readonly)

contrast

Adjust the contrast of the texture

TYPE:

float in [0, 5], default 0.0

saturation

Adjust the saturation of colors in the texture

TYPE:

float in [0, 2], default 0.0

use_color_ramp

Toggle color ramp operations

TYPE:

boolean, default False

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
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- `bpy_struct.property_unset`
- `bpy_struct.type_recast`
- `bpy_struct.values`

References

- `ShaderNodeTexBrick.color_mapping`
- `ShaderNodeTexChecker.color_mapping`
- `ShaderNodeTexEnvironment.color_mapping`
- `ShaderNodeTexGabor.color_mapping`
- `ShaderNodeTexGradient.color_mapping`
- `ShaderNodeTexImage.color_mapping`
- `ShaderNodeTexMagic.color_mapping`
- `ShaderNodeTexNoise.color_mapping`
- `ShaderNodeTexSky.color_mapping`
- `ShaderNodeTexVoronoi.color_mapping`
- `ShaderNodeTexWave.color_mapping`

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ColorMixStrip(EffectStrip)

base classes — bpy_struct, Strip, EffectStrip

class bpy.types.**ColorMixStrip(EffectStrip)**

Color Mix Strip

blend_effect

Method for controlling how the strip combines with other strips

TYPE:

enum in ['DARKEN', 'MULTIPLY', 'BURN', 'LINEAR_BURN', 'LIGHTEN', 'SCREEN', 'DODGE', 'ADD', 'OVERLAY', 'SOFT_LIGHT', 'HARD_LIGHT', 'VIVID_LIGHT', 'LINEAR_LIGHT', 'PIN_LIGHT', 'DIFFERENCE', 'EXCLUSION', 'SUBTRACT', 'HUE', 'SATURATION', 'COLOR', 'VALUE'], default 'DARKEN'

factor

Percentage of how much the strip's colors affect other strips

TYPE:

float in [0, 1], default 0.0

input_1

First input for the effect strip

TYPE:

Strip, (never None)

input_2

Second input for the effect strip

TYPE:

Strip, (never None)

input_count

TYPE:

int in [0, inf], default 0, (readonly)

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

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- Strip.frame_offset_start
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- Strip.channel
- Strip.use_linear_modifiers
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- Strip.color_tag
- Strip.modifiers
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- EffectStrip.use_deinterlace
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- bpy_struct.as_pointer
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- bpy_struct.driver_remove
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- bpy_struct.id_properties_ensure
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- bpy_struct.type_recast
- bpy_struct.values
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- Strip.bl_rna_get_subclass
- Strip.bl_rna_get_subclass_py
- EffectStrip.bl_rna_get_subclass
- EffectStrip.bl_rna_get_subclass_py

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ColorRamp(bpy_struct)

base class — bpy_struct

class bpy.types.**ColorRamp(bpy_struct)**

Color ramp mapping a scalar value to a color

color_mode

Set color mode to use for interpolation

TYPE:

enum in [‘RGB’, ‘HSV’, ‘HSL’], default ‘RGB’

elements

TYPE:

ColorRampElements bpy_prop_collection of ColorRampElement, (readonly)

hue_interpolation

Set color interpolation

TYPE:

enum in [‘NEAR’, ‘FAR’, ‘CW’, ‘CCW’], default ‘NEAR’

interpolation

Set interpolation between color stops

TYPE:

enum in [‘EASE’, ‘CARDINAL’, ‘LINEAR’, ‘B_SPLINE’, ‘CONSTANT’], default ‘LINEAR’

evaluate(position)

Evaluate Color Ramp

PARAMETERS:

position (*float in [0, 1]*) – Position, Evaluate Color Ramp at position

RETURNS:

Color, Color at given position

RETURN TYPE:

float array of 4 items in [-inf, inf]

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values

References

- Brush.gradient
- ColorMapping.color_ramp
- CompositorNodeValToRGB.color_ramp
- DynamicPaintBrushSettings.paint_ramp
- DynamicPaintBrushSettings.velocity_ramp
- FluidDomainSettings.color_ramp
- GreasePencilTintModifier.color_ramp
- LineStyleColorModifier_AlongStroke.color_ramp
- LineStyleColorModifier_CreaseAngle.color_ramp
- LineStyleColorModifier_Curvature_3D.color_ramp
- LineStyleColorModifier_DistanceFromCamer
- LineStyleColorModifier_DistanceFromObjec
- LineStyleColorModifier_Material.color_ra
- LineStyleColorModifier_Noise.color_ramp
- LineStyleColorModifier_Tangent.color_ram
- PreferencesView.weight_color_range
- ShaderNodeValToRGB.color_ramp
- Texture.color_ramp
- TextureNodeValToRGB.color_ramp

ColorRampElement(bpy_struct)

base class — bpy_struct

class bpy.types.**ColorRampElement(bpy_struct)**

Element defining a color at a position in the color ramp

alpha

Set alpha of selected color stop

TYPE:

float in [0, inf], default 0.0

color

Set color of selected color stop

TYPE:

float array of 4 items in [0, inf], default (0.0, 0.0, 0.0, 0.0)

position

Set position of selected color stop

TYPE:

float in [0, 1], default 0.0

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert

- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
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- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values

References

- ColorRamp.elements
- ColorRampElements.new
- ColorRampElements.remove

ColorRampElements(bpy_struct)

base class — bpy_struct

class bpy.types.**ColorRampElements(bpy_struct)**

Collection of Color Ramp Elements

new(position)

Add element to Color Ramp

PARAMETERS:

position (*float in [0, 1]*) – Position, Position to add element

RETURNS:

New element

RETURN TYPE:

ColorRampElement

remove(element)

Delete element from Color Ramp

PARAMETERS:

element (ColorRampElement , (never None)) – Element to remove

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
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- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values

References

- ColorRamp.elements

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ColorStrip(EffectStrip)

base classes — bpy_struct, Strip, EffectStrip

class bpy.types.**ColorStrip(EffectStrip)**

Sequence strip creating an image filled with a single color

color

Effect Strip color

TYPE:

mathutils.Color of 3 items in [0, inf], default (0.0, 0.0, 0.0)

input_count

TYPE:

int in [0, inf], default 0, (readonly)

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Strip.name
- Strip.type
- Strip.select
- Strip.select_left_handle
- Strip.select_right_handle
- Strip.mute
- Strip.lock
- Strip.frame_final_duration
- Strip.frame_duration
- Strip.frame_start
- Strip.frame_final_start
- Strip.frame_final_end
- Strip.frame_offset_start
- Strip.color_tag
- Strip.modifiers
- Strip.use_cache_raw
- Strip.use_cache_preprocessed
- Strip.use_cache_composite
- Strip.override_cache_settings
- Strip.show_retiming_keys
- EffectStrip.use_deinterlace
- EffectStrip.alpha_mode
- EffectStrip.use_flip_x
- EffectStrip.use_flip_y
- EffectStrip.use_float
- EffectStrip.use_reverse_frames
- EffectStrip.color_multiply

- Strip.frame_offset_end
- Strip.channel
- Strip.use_linear_modifiers
- Strip.blend_type
- Strip.blend_alpha
- Strip.effect_fader
- Strip.use_default_fade
- EffectStrip.multiply_alpha
- EffectStrip.color_saturation
- EffectStrip.strobe
- EffectStrip.transform
- EffectStrip.crop
- EffectStrip.use_proxy
- EffectStrip.proxy

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Strip.strip_elem_from_frame
- Strip.swap
- Strip.move_to_meta
- Strip.parent_meta
- Strip.invalidate_cache
- Strip.split
- Strip.bl_rna_get_subclass
- Strip.bl_rna_get_subclass_py
- EffectStrip.bl_rna_get_subclass
- EffectStrip.bl_rna_get_subclass_py

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CompositorNode(NodeInternal)

base classes — bpy_struct, Node, NodeInternal

subclasses — CompositorNodeAlphaOver, CompositorNodeAntiAliasing, CompositorNodeBilateralblur, CompositorNodeBlur, CompositorNodeBokehBlur, CompositorNodeBokehImage, CompositorNodeBoxMask, CompositorNodeBrightContrast, CompositorNodeChannelMatte, CompositorNodeChromaMatte, CompositorNodeColorBalance, CompositorNodeColorCorrection, CompositorNodeColorMatte, CompositorNodeColorSpill, CompositorNodeCombHSVA, CompositorNodeCombRGBA, CompositorNodeCombYCCA, CompositorNodeCombYUVA, CompositorNodeCombineColor, CompositorNodeCombineXYZ, CompositorNodeComposite, CompositorNodeConvertColorSpace, CompositorNodeCornerPin, CompositorNodeCrop, CompositorNodeCryptomatte, CompositorNodeCryptomatteV2, CompositorNodeCurveRGB, CompositorNodeCurveVec, CompositorNodeCustomGroup, CompositorNodeDBlur, CompositorNodeDefocus, CompositorNodeDenoise, CompositorNodeDespeckle, CompositorNodeDiffMatte, CompositorNodeDilateErode, CompositorNodeDisplace, CompositorNodeDistanceMatte, CompositorNodeDoubleEdgeMask, CompositorNodeEllipseMask, CompositorNodeExposure, CompositorNodeFilter, CompositorNodeFlip, CompositorNodeGamma, CompositorNodeGlare, CompositorNodeGroup, CompositorNodeHueCorrect, CompositorNodeHueSat, CompositorNodeIDMask, CompositorNodeImage, CompositorNodeInpaint, CompositorNodeInvert, CompositorNodeKeying, CompositorNodeKeyingScreen, CompositorNodeKuwahara, CompositorNodeLensdist, CompositorNodeLevels, CompositorNodeLumaMatte CompositorNodeMapRange, CompositorNodeMapUV, CompositorNodeMapValue, CompositorNodeMask, CompositorNodeMath, CompositorNodeMixRGB, CompositorNodeMovieClip, CompositorNodeMovieDistortion, CompositorNodeNormal, CompositorNodeNormalize, CompositorNodeOutputFile, CompositorNodePixelate, CompositorNodePlaneTrackDeform, CompositorNodePosterize, CompositorNodePremulKey, CompositorNodeRGB, CompositorNodeRGBToBW, CompositorNodeRLayers, CompositorNodeRotate, CompositorNodeScale, CompositorNodeSceneTime, CompositorNodeSepHSVA, CompositorNodeSepRGBA, CompositorNodeSepYCCA, CompositorNodeSepYUVA, CompositorNodeSeparateColor, CompositorNodeSeparateXYZ, CompositorNodeSetAlpha, CompositorNodeSplit, CompositorNodeStabilize, CompositorNodeSunBeams, CompositorNodeSwitch, CompositorNodeSwitchView, CompositorNodeTexture, CompositorNodeTime, CompositorNodeTonemap, CompositorNodeTrackPos, CompositorNodeTransform, CompositorNodeTranslate, CompositorNodeValToRGB, CompositorNodeValue, CompositorNodeVecBlur, CompositorNodeViewer, CompositorNodeZcombine

class bpy.types.**CompositorNode(NodeInternal)**

tag_need_exec()

Tag the node for compositor update

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext

- bpy_struct.values
- Node.socket_value_update
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py

CompositorNodeAlphaOver(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeAlphaOver(CompositorNode)**

Overlay a foreground image onto a background image

premul

Mix Factor

TYPE:

float in [0, 1], default 0.0

use_premultiply

TYPE:

boolean, default False

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py

- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

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CompositorNode(NodeInternal)

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Report issue on this page

CompositorNodeAntiAliasing(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeAntiAliasing(CompositorNode)**

Smooth away jagged edges

contrast_limit

How much to eliminate spurious edges to avoid artifacts (the larger value makes less active; the value 2.0, for example, means discard a detected edge if there is a neighboring edge that has 2.0 times bigger contrast than the current one)

TYPE:

float in [0, 1], default 0.0

corner_rounding

How much sharp corners will be rounded

TYPE:

float in [0, 1], default 0.0

threshold

Threshold to detect edges (smaller threshold makes more sensitive detection)

TYPE:

float in [0, 1], default 0.0

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `Node.type`
- `Node.location`
- `Node.location_absolute`
- `Node.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`
- `Node.bl_idname`
- `Node.bl_label`
- `Node.bl_description`
- `Node.bl_icon`
- `Node.bl_static_type`
- `Node.bl_width_default`
- `Node.bl_width_min`
- `Node.bl_width_max`
- `Node.bl_height_default`
- `Node.bl_height_min`
- `Node.bl_height_max`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.id_properties_ensure`
- `Node.update`
- `Node.insert_link`
- `Node.init`
- `Node.copy`
- `Node.free`
- `Node.draw buttons`

- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeBilateralblur(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeBilateralblur(CompositorNode)**

Adaptively blur image, while retaining sharp edges

iterations

TYPE:

int in [1, 128], default 0

sigma_color

TYPE:

float in [0.01, 3], default 0.0

sigma_space

TYPE:

float in [0.01, 30], default 0.0

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `Node.type`
- `Node.location`
- `Node.location_absolute`
- `Node.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`
- `Node.bl_idname`
- `Node.bl_label`
- `Node.bl_description`
- `Node.bl_icon`
- `Node.bl_static_type`
- `Node.bl_width_default`
- `Node.bl_width_min`
- `Node.bl_width_max`
- `Node.bl_height_default`
- `Node.bl_height_min`
- `Node.bl_height_max`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.id_properties_ensure`
- `bpy_struct.id_properties_ui`
- `bpy_struct.is_property_hidden`
- `bpy_struct.is_property_overridable_library`
- `bpy_struct.is_property_readonly`
- `bpy_struct.is_property_set`
- `Node.update`
- `Node.insert_link`
- `Node.init`
- `Node.copy`
- `Node.free`
- `Node.draw_buttons`
- `Node.draw_buttons_ext`
- `Node.draw_label`
- `Node.debug_zone_body_lazy_function_graph`
- `Node.debug_zone_lazy_function_graph`
- `Node.poll`

- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeBlur(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeBlur(CompositorNode)**

Blur an image, using several blur modes

aspect_correction

Type of aspect correction to use

TYPE:

enum in ['NONE', 'Y', 'X'], default 'NONE'

factor

TYPE:

float in [0, 2], default 0.0

factor_x

TYPE:

float in [0, 100], default 0.0

factor_y

TYPE:

float in [0, 100], default 0.0

filter_type

TYPE:

enum in ['FLAT', 'TENT', 'QUAD', 'CUBIC', 'GAUSS', 'FAST_GAUSS', 'CATROM', 'MITCH'], default 'FLAT'

size_x

TYPE:

int in [0, 2048], default 0

size_y

TYPE:

int in [0, 2048], default 0

use_bokeh

Use circular filter (slower)

TYPE:

boolean, default False

use_extended_bounds

Extend bounds of the input image to fully fit blurred image

TYPE:

boolean, default False

use_gamma_correction

Apply filter on gamma corrected values

TYPE:

boolean, default False

use_relative

Use relative (percent) values to define blur radius

TYPE:

boolean, default False

use_variable_size

Support variable blur per pixel when using an image for size input

TYPE:

boolean, default False

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

`NodeInternalSocketTemplate`

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

`NodeInternalSocketTemplate`

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext

- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeBokehBlur(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeBokehBlur(CompositorNode)**

Generate a bokeh type blur similar to Defocus. Unlike defocus an in-focus region is defined in the compositor

blur_max

Blur limit, maximum CoC radius

TYPE:

float in [0, 10000], default 0.0

use_extended_bounds

Extend bounds of the input image to fully fit blurred image

TYPE:

boolean, default False

use_variable_size

Support variable blur per pixel when using an image for size input

TYPE:

boolean, default False

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `Node.type`
- `Node.location`
- `Node.location_absolute`
- `Node.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`
- `Node.bl_idname`
- `Node.bl_label`
- `Node.bl_description`
- `Node.bl_icon`
- `Node.bl_static_type`
- `Node.bl_width_default`
- `Node.bl_width_min`
- `Node.bl_width_max`
- `Node.bl_height_default`
- `Node.bl_height_min`
- `Node.bl_height_max`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.id_properties_ensure`
- `bpy_struct.id_properties_ui`
- `Node.update`
- `Node.insert_link`
- `Node.init`
- `Node.copy`
- `Node.free`
- `Node.draw_buttons`
- `Node.draw_buttons_ext`

- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

Skip to content

CompositorNodeBokehImage(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeBokehImage(CompositorNode)**

Generate image with bokeh shape for use with the Bokeh Blur filter node

angle

Angle of the bokeh

TYPE:

float in [-12.5664, 12.5664], default 0.0

catadioptric

Level of catadioptric of the bokeh

TYPE:

float in [-0, 1], default 0.0

flaps

Number of flaps

TYPE:

int in [3, 24], default 5

rounding

Level of rounding of the bokeh

TYPE:

float in [-0, 1], default 0.0

shift

Shift of the lens components

TYPE:

float in [-1, 1], default 0.0

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

`NodeInternalSocketTemplate`

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `Node.type`
- `Node.location`
- `Node.location_absolute`
- `Node.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`
- `Node.bl_idname`
- `Node.bl_label`
- `Node.bl_description`
- `Node.bl_icon`
- `Node.bl_static_type`
- `Node.bl_width_default`
- `Node.bl_width_min`
- `Node.bl_width_max`
- `Node.bl_height_default`
- `Node.bl_height_min`
- `Node.bl_height_max`

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeBoxMask(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeBoxMask(CompositorNode)**

Create rectangular mask suitable for use as a simple matte

mask_height

Height of the box

TYPE:

float in [0, 2], default 0.2

mask_type

TYPE:

enum in ['ADD', 'SUBTRACT', 'MULTIPLY', 'NOT'], default 'ADD'

mask_width

Width of the box

TYPE:

float in [0, 2], default 0.3

rotation

Rotation angle of the box

TYPE:

float in [-31.4159, 31.4159], default 0.0

x

X position of the middle of the box

TYPE:

float in [-1, 2], default 0.5

y

Y position of the middle of the box

TYPE:

float in [-1, 2], default 0.5

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max

- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeBrightContrast(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeBrightContrast(CompositorNode)**

Adjust brightness and contrast

use_premultiply

Keep output image premultiplied alpha

TYPE:

boolean, default False

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons

- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

Previous
CompositorNodeBoxMask(CompositorNode)

Ne
CompositorNodeChannelMatte(CompositorNoc

Report issue on this page

CompositorNodeChannelMatte(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeChannelMatte(CompositorNode)**

Create matte based on differences in color channels

color_space

- RGB RGB – RGB (Red, Green, Blue) color space.
- HSV HSV – HSV (Hue, Saturation, Value) color space.
- YUV YUV – YUV (Y - luma, U V - chroma) color space.
- YCC YCbCr – YCbCr (Y - luma, Cb - blue-difference chroma, Cr - red-difference chroma) color space.

TYPE:

enum in ['RGB', 'HSV', 'YUV', 'YCC'], default 'RGB'

limit_channel

Limit by this channel's value

- R R – Red.
- G G – Green.
- B B – Blue.

TYPE:

enum in ['R', 'G', 'B'], default 'R'

limit_max

Values higher than this setting are 100% opaque

TYPE:

float in [-inf, inf], default 0.0

limit_method

Algorithm to use to limit channel

- SINGLE Single – Limit by single channel.
- MAX Max – Limit by maximum of other channels.

TYPE:

enum in ['SINGLE', 'MAX'], default 'SINGLE'

limit_min

Values lower than this setting are 100% keyed

TYPE:

float in [-inf, inf], default 0.0

matte_channel

Channel used to determine matte

- R R – Red.
- G G – Green.
- B B – Blue.

TYPE:

enum in ['R', 'G', 'B'], default 'R'

enum in ['R', 'G', 'B'], default 'R'

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.select

- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeChromaMatte(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeChromaMatte(CompositorNode)**

Create matte based on chroma values

gain

Alpha falloff

TYPE:

float in [0, 1], default 0.0

lift

Alpha lift

TYPE:

float in [0, 1], default 0.0

shadow_adjust

Adjusts the brightness of any shadows captured

TYPE:

float in [0, 1], default 0.0

threshold

Tolerance below which colors will be considered as exact matches

TYPE:

float in [0, 0.523599], default 0.0

tolerance

Tolerance for a color to be considered a keying color

TYPE:

float in [0.0174533, 1.39626], default 0.0

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

`NodeInternalSocketTemplate`

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `Node.type`
- `Node.location`
- `Node.location_absolute`
- `Node.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`
- `Node.bl_idname`
- `Node.bl_label`
- `Node.bl_description`
- `Node.bl_icon`
- `Node.bl_static_type`
- `Node.bl_width_default`
- `Node.bl_width_min`
- `Node.bl_width_max`
- `Node.bl_height_default`
- `Node.bl_height_min`
- `Node.bl_height_max`

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeColorBalance(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeColorBalance(CompositorNode)**

Adjust color and values

correction_method

- LIFT_GAMMA_GAIN Lift/Gamma/Gain.
- OFFSET_POWER_SLOPE Offset/Power/Slope (ASC-CDL) – ASC-CDL standard color correction.
- WHITEPOINT White Point – Chromatic adaption from a different white point.

TYPE:

enum in ['LIFT_GAMMA_GAIN', 'OFFSET_POWER_SLOPE', 'WHITEPOINT'], default 'LIFT_GAMMA_GAIN'

gain

Correction for highlights

TYPE:

mathutils.Color of 3 items in [0, inf], default (1.0, 1.0, 1.0)

gamma

Correction for midtones

TYPE:

mathutils.Color of 3 items in [0, inf], default (1.0, 1.0, 1.0)

input_temperature

Color temperature of the input's white point

TYPE:

float in [1800, 100000], default 6500.0

input_tint

Color tint of the input's white point (the default of 10 matches daylight)

TYPE:

float in [-500, 500], default 10.0

input_whitepoint

The color which gets mapped to white (automatically converted to/from temperature and tint)

TYPE:

mathutils.Color of 3 items in [0, inf], default (0.0, 0.0, 0.0)

lift

Correction for shadows

TYPE:

mathutils.Color of 3 items in [0, inf], default (1.0, 1.0, 1.0)

offset

Correction for entire tonal range

TYPE:

mathutils.Color of 3 items in [0, inf], default (0.0, 0.0, 0.0)

offset_basis

Support negative color by using this as the RGB basis

TYPE:

float in [-inf, inf], default 0.0

output_temperature

Color temperature of the output's white point

TYPE:

float in [1800, 100000], default 6500.0

output_tint

Color tint of the output's white point (the default of 10 matches daylight)

TYPE:

float in [-500, 500], default 10.0

output_whitepoint

The color which gets white gets mapped to (automatically converted to/from temperature and tint)

TYPE:

`mathutils.Color` of 3 items in [0, inf], default (0.0, 0.0, 0.0)

power

Correction for midtones

TYPE:

`mathutils.Color` of 3 items in [0, inf], default (1.0, 1.0, 1.0)

slope

Correction for highlights

TYPE:

`mathutils.Color` of 3 items in [0, inf], default (1.0, 1.0, 1.0)

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

`NodeInternalSocketTemplate`

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

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CompositorNodeColorCorrection(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeColorCorrection(CompositorNode)**

Adjust the color of an image, separately in several tonal ranges (highlights, midtones and shadows)

blue

Blue channel active

TYPE:

boolean, default True

green

Green channel active

TYPE:

boolean, default True

highlights_contrast

Highlights contrast

TYPE:

float in [0, 4], default 1.0

highlights_gain

Highlights gain

TYPE:

float in [0, 4], default 1.0

highlights_gamma

Highlights gamma

TYPE:

float in [0, 4], default 1.0

highlights_lift

Highlights lift

TYPE:

float in [-1, 1], default 0.0

highlights_saturation

Highlights saturation

TYPE:

float in [0, 4], default 1.0

master_contrast

Master contrast

TYPE:

float in [0, 4], default 1.0

master_gain

Master gain

TYPE:

float in [0, 4], default 1.0

master_gamma

Master gamma

TYPE:

float in [0, 4], default 1.0

master_lift

Master lift

TYPE:

float in [-1, 1], default 0.0

master_saturation

Master saturation

TYPE:

float in [0, 4], default 1.0

midtones_contrast

Midtones contrast

TYPE:

float in [0, 4], default 1.0

midtones_end

End of midtones

TYPE:

float in [0, 1], default 0.7

midtones_gain

Midtones gain

TYPE:

float in [0, 4], default 1.0

midtones_gamma

Midtones gamma

TYPE:

float in [0, 4], default 1.0

midtones_lift

Midtones lift

TYPE:

float in [-1, 1], default 0.0

midtones_saturation

Midtones saturation

TYPE:

float in [0, 4], default 1.0

midtones_start

Start of midtones

TYPE:

float in [0, 1], default 0.2

red

Red channel active

TYPE:

boolean, default True

shadows_contrast

Shadows contrast

TYPE:

float in [0, 4], default 1.0

shadows_gain

Shadows gain

TYPE:

float in [0, 4], default 1.0

shadows_gamma

Shadows gamma

TYPE:

float in [0, 4], default 1.0

shadows_lift

Shadows lift

TYPE:

float in [-1, 1], default 0.0

shadows_saturation

Shadows saturation

TYPE:

float in [0, 4], default 1.0

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default

- Node.color
- Node.color_tag
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

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CompositorNodeColorMatte(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeColorMatte(CompositorNode)**

Create matte using a given color, for green or blue screen footage

color_hue

Hue tolerance for colors to be considered a keying color

TYPE:

float in [0, 1], default 0.0

color_saturation

Saturation tolerance for the color

TYPE:

float in [0, 1], default 0.0

color_value

Value tolerance for the color

TYPE:

float in [0, 1], default 0.0

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `Node.type`
- `Node.location`
- `Node.location_absolute`
- `Node.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`
- `Node.bl_idname`
- `Node.bl_label`
- `Node.bl_description`
- `Node.bl_icon`
- `Node.bl_static_type`
- `Node.bl_width_default`
- `Node.bl_width_min`
- `Node.bl_width_max`
- `Node.bl_height_default`
- `Node.bl_height_min`
- `Node.bl_height_max`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.id_properties_ensure`
- `bpy_struct.id_properties_ui`
- `Node.update`
- `Node.insert_link`
- `Node.init`
- `Node.copy`
- `Node.free`
- `Node.draw_buttons`
- `Node.draw_buttons_ext`

- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeColorSpill(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeColorSpill(CompositorNode)**

Remove colors from a blue or green screen, by reducing one RGB channel compared to the others

channel

- R R – Red spill suppression.
- G G – Green spill suppression.
- B B – Blue spill suppression.

TYPE:
enum in ['R', 'G', 'B'], default 'R'

limit_channel

- R R – Limit by red.
- G G – Limit by green.
- B B – Limit by blue.

TYPE:
enum in ['R', 'G', 'B'], default 'R'

limit_method

- SIMPLE Simple – Simple limit algorithm.
- AVERAGE Average – Average limit algorithm.

TYPE:
enum in ['SIMPLE', 'AVERAGE'], default 'SIMPLE'

ratio

Scale limit by value

TYPE:
float in [0.5, 1.5], default 0.0

unspill_blue

Blue spillmap scale

TYPE:
float in [0, 1.5], default 0.0

unspill_green

Green spillmap scale

TYPE:
float in [0, 1.5], default 0.0

unspill_red

Red spillmap scale

TYPE:
float in [0, 1.5], default 0.0

use_unspill

Compensate all channels (differently) by hand

TYPE:
boolean, default False

classmethod is_registered_node_type()

True if a registered node type

RETURNS:
Result

RETURN TYPE:
boolean

classmethod input_template(index)

Input socket template

PARAMETERS:
index (*int in [0, inf]*) – Index

RETURNS:
result

RETURN TYPE:
`NodeInternalSocketTemplate`

classmethod output_template(index)

Output socket template

PARAMETERS:
index (*int in [0, inf]*) – Index

RETURNS:
result

RETURN TYPE:
`NodeInternalSocketTemplate`

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:
id (*str*) – The RNA type identifier.

RETURNS:
The RNA type or default when not found.

RETURN TYPE:
`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:
id (*str*) – The RNA type identifier.

RETURNS:
The class or default when not found.

RETURN TYPE:
type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

- `Node.poll_instance`

CompositorNodeCombHSVA(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeCombHSVA(CompositorNode)**

Deprecated

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll

- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance

CompositorNode.poll

- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

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CompositorNodeCombineColor(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeCombineColor(CompositorNode)**

Combine an image from its composite color channels

mode

Mode of color processing

- RGB RGB – Use RGB (Red, Green, Blue) color processing.
- HSV HSV – Use HSV (Hue, Saturation, Value) color processing.
- HSL HSL – Use HSL (Hue, Saturation, Lightness) color processing.
- YCC YCbCr – Use YCbCr (Y - luma, Cb - blue-difference chroma, Cr - red-difference chroma) color processing.
- YUV YUV – Use YUV (Y - luma, U V - chroma) color processing.

TYPE:

enum in ['RGB', 'HSV', 'HSL', 'YCC', 'YUV'], default 'RGB'

ycc_mode

Color space used for YCbCrA processing

TYPE:

enum in ['ITUBT601', 'ITUBT709', 'JFIF'], default 'ITUBT601'

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `Node.type`
- `Node.location`
- `Node.location_absolute`
- `Node.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`
- `Node.bl_idname`
- `Node.bl_label`
- `Node.bl_description`
- `Node.bl_icon`
- `Node.bl_static_type`
- `Node.bl_width_default`
- `Node.bl_width_min`
- `Node.bl_width_max`
- `Node.bl_height_default`
- `Node.bl_height_min`
- `Node.bl_height_max`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.id_properties_ensure`
- `bpy_struct.id_properties_ui`
- `Node.update`
- `Node.insert_link`
- `Node.init`
- `Node.copy`
- `Node.free`
- `Node.draw_buttons`

- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance
- Node.draw_buttons_ext
- Node.draw_label
- Node.debug_zone_body_lazy_function_graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py

CompositorNodeCombineXYZ(CompositorNode)

base classes — bpy_struct, Node, NodeInternal, CompositorNode

class bpy.types.**CompositorNodeCombineXYZ(CompositorNode)**

Combine a vector from its individual components

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

update()

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

bpy.types.Struct subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- Node.hide
- Node.mute
- Node.show_texture
- Node.bl_idname
- Node.bl_label
- Node.bl_description
- Node.bl_icon
- Node.bl_static_type
- Node.bl_width_default
- Node.bl_width_min
- Node.bl_width_max
- Node.bl_height_default
- Node.bl_height_min
- Node.bl_height_max

Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
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- NodeInternal.bl_rna_get_subclass_py
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