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