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CompositorNodeTonemap(CompositorNode)

base classes — [bpy_struct](#), [Node](#), [NodeInternal](#), [CompositorNode](#)

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

Map one set of colors to another in order to approximate the appearance of high dynamic range

adaptation

If 0, global; if 1, based on pixel intensity

TYPE:

float in [0, 1], default 0.0

contrast

Set to 0 to use estimate from input image

TYPE:

float in [0, 1], default 0.0

correction

If 0, same for all channels; if 1, each independent

TYPE:

float in [0, 1], default 0.0

gamma

If not used, set to 1

TYPE:

float in [0.001, 3], default 0.0

intensity

If less than zero, darkens image; otherwise, makes it brighter

TYPE:

float in [-8, 8], default 0.0

key

The value the average luminance is mapped to

TYPE:

float in [0, 1], default 0.0

offset

Normally always 1, but can be used as an extra control to alter the brightness curve

TYPE:

float in [0.001, 10], default 0.0

tonemap_type

- `RD_PHOTORECEPTOR` R/D Photoreceptor – More advanced algorithm based on eye physiology, by Reinhard and Devlin.
- `RH_SIMPLE` Rh Simple – Simpler photographic algorithm by Reinhard.

TYPE:

enum in ['RD_PHOTORECEPTOR', 'RH_SIMPLE'], default 'RH_SIMPLE'

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 $[0, \infty]$*) – Index

RETURNS:

result

RETURN TYPE:

`NodeInternalSocketTemplate`

classmethod `output_template(index)`

Output socket template

PARAMETERS:

index (*int in $[0, \infty]$*) – 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.show_options`

- `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_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`

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