

**NAME**

Pango::Renderer – a base class for pango rendering

**HIERARCHY**

```
Glib::Object
+----Pango::Renderer
```

**METHODS**

`$renderer->activate`

Since: pango 1.8

**color or undef** = `$renderer->get_color ($part)`

- `$part` (Pango::RenderPart)

Since: pango 1.8

`$renderer->set_color ($part, $color)`

- `$part` (Pango::RenderPart)
- `$color` (Pango::Color or undef)

Since: pango 1.8

`$renderer->deactivate`

Since: pango 1.8

`$renderer->draw_error_underline ($x, $y, $width, $height)`

- `$x` (integer)
- `$y` (integer)
- `$width` (integer)
- `$height` (integer)

Since: pango 1.8

`$renderer->draw_glyph ($font, $glyph, $x, $y)`

- `$font` (Pango::Font)
- `$glyph` (integer)
- `$x` (double)
- `$y` (double)

Since: pango 1.8

`$renderer->draw_layout ($layout, $x, $y)`

- `$layout` (Pango::Layout)
- `$x` (integer)
- `$y` (integer)

Since: pango 1.8

`$renderer->draw_layout_line ($line, $x, $y)`

- `$line` (Pango::LayoutLine)
- `$x` (integer)
- `$y` (integer)

Since: pango 1.8

`$renderer->draw_rectangle ($part, $x, $y, $width, $height)`

- `$part` (Pango::RenderPart)
- `$x` (integer)

- `$y` (integer)
- `$width` (integer)
- `$height` (integer)

Since: pango 1.8

`$renderer->draw_trapezoid ($part, $y1_, $x11, $x21, $y2, $x12, $x22)`

- `$part` (Pango::RenderPart)
- `$y1_` (double)
- `$x11` (double)
- `$x21` (double)
- `$y2` (double)
- `$x12` (double)
- `$x22` (double)

Since: pango 1.8

**layout** = `$renderer->get_layout`

Since: pango 1.20

**layoutline** = `$renderer->get_layout_line`

Since: pango 1.20

**matrix or undef** = `$renderer->get_matrix`

Since: pango 1.8

`$renderer->set_matrix ($matrix)`

- `$matrix` (Pango::Matrix or undef)

Since: pango 1.8

`$renderer->part_changed ($part)`

- `$part` (Pango::RenderPart)

Since: pango 1.8

## ENUMS AND FLAGS

**enum Pango::RenderPart**

- `'foreground' / 'PANGO_RENDER_PART_FOREGROUND'`
- `'background' / 'PANGO_RENDER_PART_BACKGROUND'`
- `'underline' / 'PANGO_RENDER_PART_UNDERLINE'`
- `'strikethrough' / 'PANGO_RENDER_PART_STRIKETHROUGH'`

## SEE ALSO

Pango, Glib::Object

## COPYRIGHT

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