

Converting Colors

`RYB(65, 130, 173)`

Have a look what the booklet for
RYB(65, 130, 173) contains.

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Color

`RYB(65, 130, 173)`

Conversions

Conversions Part 1

Format	Color
Hex	41AD88
RGB	65, 173, 136
RGB Percent	25%, 68%, 53%
CMY	0.7451, 0.3216, 0.4649
CMYK	0.62, 0.00, 0.21, 0.32
HSL	160°, 45%, 47%
HSV	160°, 62%, 68%
XYZ	21.5993, 32.8012, 28.6520
YIQ	136.4900, -52.4910, -34.4030

Conversions

Conversions Part 2

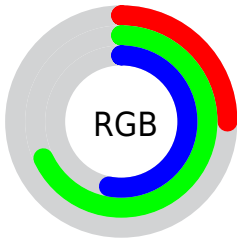
Format	Color
RYB	65, 130, 173
Decimal	4304264
CIELab	64.00, -39.71, 9.77
CIELCh	64, 40.890, 166.180
Yxy	32.8012, 0.2601, 0.3949
Android (android.graphics.Color)	4282494344 (0xFF41AD88)
YUV	136.4900, -0.2416, -62.6967
Hunter-Lab	57.2724, -32.9085, 10.4293

Details

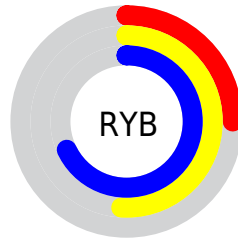
The RYB color **65, 130, 173** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **173, 65, 102**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **123, 188, 229**, and **0, 70, 120** is the 20% darker color. If you saturate the color by 10%, you get **48, 123, 173**, and if you desaturate by 10%, it is **82, 137, 173**.

Distribution



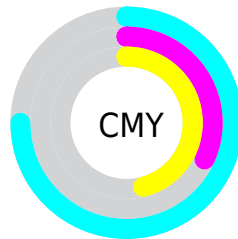
- Red (25%)
- Green (68%)
- Blue (53%)



- Red (25%)
- Yellow (51%)
- Blue (68%)



- Cyan (62%)
- Magenta (0%)
- Yellow (21%)
- Black (32%)



- Cyan (75%)
- Magenta (32%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 130, 173 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 65, 130, 173 by changing the saturation by 10% instead.



65, 130, 173



65, 130, 173

255, 255, 255



30, 98, 146



124, 188, 229



0, 70, 120



152, 215, 255



0, 56, 94



181, 220, 255



0, 44, 70



210, 233, 255



0, 32, 47



240, 248, 255



0, 23, 23



0, 0, 0



65, 130, 173



65, 130, 173



48, 123, 173



82, 137, 173

■ 30, 116, 173

■ 100, 144, 173

■ 13, 109, 173

■ 117, 151, 173

■ 0, 104, 173

■ 134, 157, 173

■ 152, 165, 173

■ 169, 171, 173

■ 186, 173, 177

■ 203, 173, 183

■ 221, 173, 189

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



103, 168, 154



65, 130, 173



0, 87, 174

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65, 130, 173



132, 148, 225



216, 145, 104

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65, 130, 173



173, 65, 102

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



225, 126, 137



65, 130, 173



184, 138, 206

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65, 130, 173



58, 123, 225



215, 128, 174



161, 192, 84

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 130, 173



0, 92, 197



215, 128, 174



221, 134, 114

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65, 130, 173



182, 207, 224



65, 173, 135



86, 102, 112



240, 240, 240



112, 112, 112

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65, 130, 173



56, 157, 224



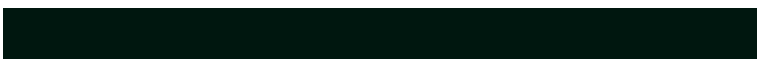
65, 115, 173



78, 83, 87



0, 90, 150



0, 14, 23

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



173, 65, 102



224, 56, 113



173, 84, 65



87, 78, 81



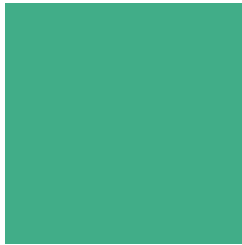
150, 0, 51



23, 0, 8

Previews

White Background



This preview shows how the RYB color 65, 130, 173 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 65, 130, 173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 65, 130, 173 Background



This preview shows how black text looks on a background with the R Y B color 65, 130, 173.

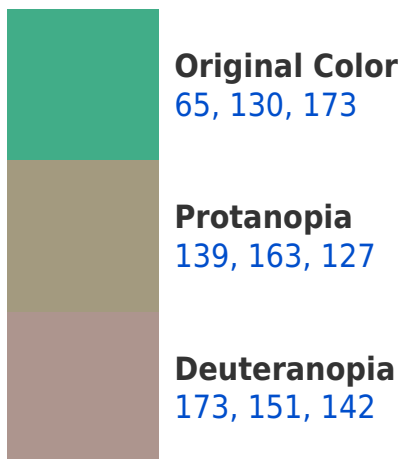


This preview shows how white text looks on a background with the R Y B color 65, 130, 173.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
81, 127, 181

Trichromacy



Original Color

65, 130, 173



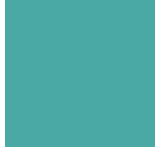
Protanomaly

127, 158, 161



Deuteranomaly

134, 153, 158



Tritanomaly

75, 123, 169

Monochromacy



Original Color

65, 130, 173



Achromatopsia

137, 137, 137



Achromatomaly

111, 134, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 130, 173 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(65, 173, 136)` looks like.

```
.text, #text, p{  
    color:rgb(65, 173, 136)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(65, 173, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 173, 136) }
```

Border

The CSS property to change the border of an element to RYB 65, 130, 173 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 173, 136) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(65, 173, 136) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(65, 173, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 173, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 173, 136);  
box-shadow:4px 4px 4px 4px rgb(65, 173,  
136) }
```

Background

The CSS property to change the background color of an element to RYB 65, 130, 173 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 173, 136) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(65, 173,  
136) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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