

Converting Colors

`RYB(65, 131, 202)`

Have a look what the booklet for
RYB(65, 131, 202) contains.

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Color

$\text{RYB}(65, 131, 202)$

Conversions

Conversions Part 1

Format	Color
Hex	41C0CA
RGB	65, 192, 202
RGB Percent	25%, 75%, 79%
CMY	0.7451, 0.2457, 0.2078
CMYK	0.68, 0.05, 0.00, 0.21
HSL	184°, 56%, 52%
HSV	184°, 68%, 79%
XYZ	31.7677, 43.2422, 62.5494
YIQ	155.1670, -78.9020, -23.8140

Conversions

Conversions Part 2

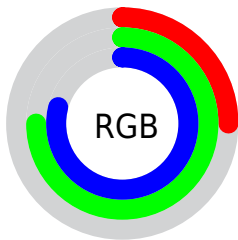
Format	Color
RYB	65, 131, 202
Decimal	4309194
CIELab	71.72, -31.11, -15.02
CIELCh	72, 34.543, 205.772
Yxy	43.2422, 0.2309, 0.3144
Android (android.graphics.Color)	4282499274 (0xFF41C0CA)
YUV	155.1670, 23.0887, -79.0765
Hunter-Lab	65.7588, -28.8456, -10.3651

Details

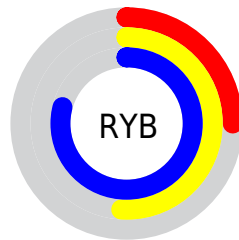
The RYB color **65, 131, 202** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **202, 76, 65**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **130, 191, 255**, and **0, 71, 148** is the 20% darker color. If you saturate the color by 10%, you get **45, 121, 202**, and if you desaturate by 10%, it is **85, 141, 202**.

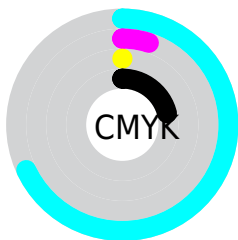
Distribution



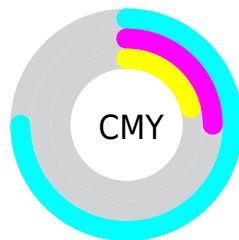
- Red (25%)
- Green (75%)
- Blue (79%)



- Red (25%)
- Yellow (51%)
- Blue (79%)



- Cyan (68%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)




















- Cyan (75%)
- Magenta (25%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 131, 202 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, 131, 202 by changing the saturation by 10% instead.

 65, 131, 202	 65, 131, 202
 255, 255, 255	 15, 92, 175
 130, 191, 255	 0, 71, 148
 160, 208, 255	 0, 59, 122
 190, 223, 255	 0, 46, 97
 221, 238, 255	 0, 34, 74
 251, 253, 255	 0, 23, 51
	 0, 9, 30
	 0, 0, 2
	 0, 0, 0

■ 65, 131, 202

■ 65, 131, 202

■ 45, 121, 202

■ 85, 141, 202

■ 25, 110, 202

■ 105, 152, 202

■ 4, 99, 202

■ 126, 163, 202

■ 0, 97, 202

■ 146, 173, 202

■ 166, 183, 202

■ 186, 194, 202

■ 206, 202, 202

■ 227, 204, 202

■ 247, 205, 202

Harmonies

Analogous

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



94, 150, 193



65, 131, 202



79, 142, 227

Triad

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



65, 131, 202



212, 158, 212



156, 201, 113

Complementary

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



65, 131, 202



202, 76, 65

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.



226, 181, 125



65, 131, 202



233, 152, 181

Square

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



65, 131, 202



174, 169, 232



238, 153, 150



118, 182, 131

Rectangle

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



65, 131, 202



109, 156, 236



238, 153, 150



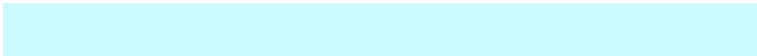
190, 211, 115

Sweetspot

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



65, 131, 202



204, 228, 255



65, 194, 202



97, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



65, 131, 202



48, 148, 255



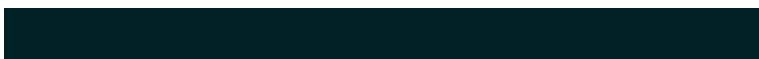
65, 106, 202



92, 97, 102



0, 80, 166



0, 18, 38

Inverse Universe

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



202, 65, 192



255, 48, 240



169, 202, 65



102, 92, 101



166, 0, 154



38, 0, 36

Previews

White Background



This preview shows how the RYB color 65, 131, 202 looks on a white background.

Color Contrast Check

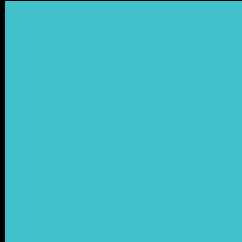
Large Text (above 18pt) WCAG AA × Fail

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, 131, 202 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](#).

RYB 65, 131, 202 Background



This preview shows how black text looks on a background with the RYB color 65, 131, 202.

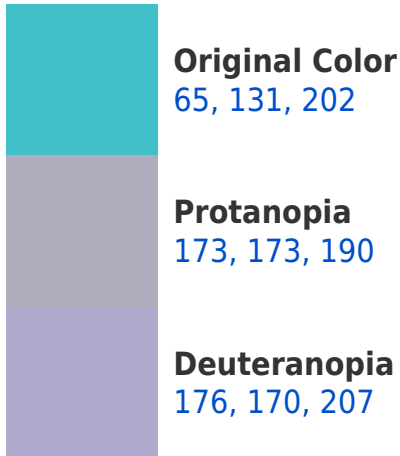


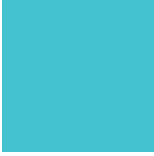
This preview shows how white text looks on a background with the RYB color 65, 131, 202.

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
68, 134, 207

Trichromacy



Original Color

65, 131, 202



Protanomaly

134, 160, 194



Deuteranomaly

136, 162, 205



Tritanomaly

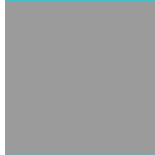
67, 133, 205

Monochromacy



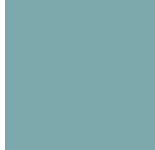
Original Color

65, 131, 202



Achromatopsia

155, 155, 155



Achromatomaly

122, 146, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 131, 202 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, 192, 202)` looks like.

```
.text, #text, p{  
    color:rgb(65, 192, 202)  
}
```

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, 192, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 192, 202) }
```

Border

The CSS property to change the border of an element to RYB 65, 131, 202 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, 192, 202) }
```

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

```
.border{ border-color:rgb(65, 192, 202) }
```

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

Here you see how a box with a 4 pixel rgb(65, 192, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 192, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 192, 202);  
box-shadow:4px 4px 4px 4px rgb(65, 192,  
202) }
```

Background

The CSS property to change the background color of an element to RYB 65, 131, 202 is called "background".

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

```
.background, #background, body{  
background: rgb(65, 192, 202) }
```

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

```
.background{ background-color: rgb(65, 192,  
202) }
```

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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