

Converting Colors

`RYB(65, 170, 225)`

Have a look what the booklet for
RYB(65, 170, 225) contains.

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Color

R_YB(65, 170, 225)

Conversions

Conversions Part 1

Format	Color
Hex	41E195
RGB	65, 225, 149
RGB Percent	25%, 88%, 58%
CMY	0.7451, 0.1176, 0.4164
CMYK	0.71, 0.00, 0.34, 0.12
HSL	151°, 73%, 57%
HSV	151°, 71%, 88%
XYZ	34.5148, 57.1381, 37.5637
YIQ	168.4960, -70.9640, -57.5560

Conversions

Conversions Part 2

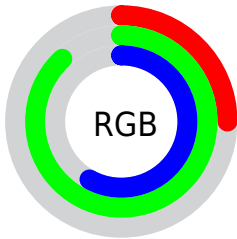
Format	Color
RYB	65, 170, 225
Decimal	4317589
CIELab	80.26, -58.18, 25.69
CIELCh	80, 63.602, 156.177
Yxy	57.1381, 0.2671, 0.4422
Android (android.graphics.Color)	4282507669 (0xFF41E195)
YUV	168.4960, -9.6115, -90.7660
Hunter-Lab	75.5897, -50.7777, 23.4491

Details

The RYB color **65, 170, 225** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **225, 65, 141**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **132, 210, 255**, and **0, 106, 168** is the 20% darker color. If you saturate the color by 10%, you get **43, 163, 225**, and if you desaturate by 10%, it is **87, 177, 225**.

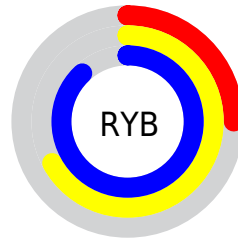
Distribution



Red (25%)

Green (88%)

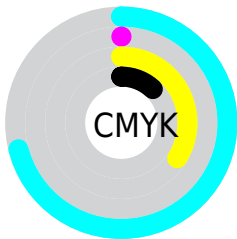
Blue (58%)



Red (25%)

Yellow (67%)

Blue (88%)

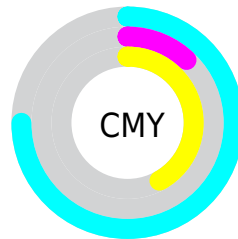


Cyan (71%)

Magenta (0%)

Yellow (34%)

Black (12%)



Cyan (75%)

















Magenta (12%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the RYB color 65, 170, 225 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, 170, 225 by changing the saturation by 10% instead.


 65, 170, 225	 65, 170, 225
 255, 255, 255	 5, 123, 196
 132, 210, 255	 0, 107, 168
 163, 216, 255	 0, 93, 141
 194, 225, 255	 0, 80, 115
 224, 240, 255	 0, 68, 89
	 0, 61, 64
	 0, 41, 41
	 0, 2, 2
	 0, 0, 0


 65, 170, 225

 65, 170, 225


 43, 163, 225

 87, 177, 225

 20, 155, 225

 110, 186, 225

 0, 148, 225

 132, 193, 225

 155, 201, 225

 178, 209, 225

 200, 216, 225

 222, 224, 225

 245, 225, 235

 255, 225, 245

Harmonies

Analogous

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



98, 216, 156



65, 170, 225



0, 119, 229

Triad

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



65, 170, 225



109, 165, 255



255, 163, 132

Complementary

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



65, 170, 225



225, 65, 141

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.



255, 146, 189



65, 170, 225



219, 178, 255

Square

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



65, 170, 225



0, 118, 255



255, 156, 248



229, 255, 89

Rectangle

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



65, 170, 225



0, 119, 250



255, 156, 248



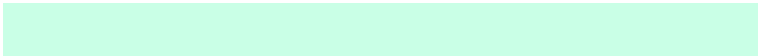
255, 152, 150

Sweetspot

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



65, 170, 225



201, 236, 255



65, 225, 148



96, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



65, 170, 225



38, 180, 255



65, 144, 225



101, 108, 112



0, 116, 176



0, 32, 48

Inverse Universe

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



225, 65, 141



255, 38, 141



225, 68, 65



112, 101, 106



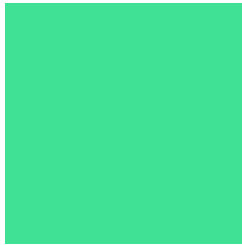
176, 0, 84



48, 0, 23

Previews

White Background



This preview shows how the RYB color 65, 170, 225 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, 170, 225 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, 170, 225 Background



This preview shows how black text looks on a background with the RYB color 65, 170, 225.

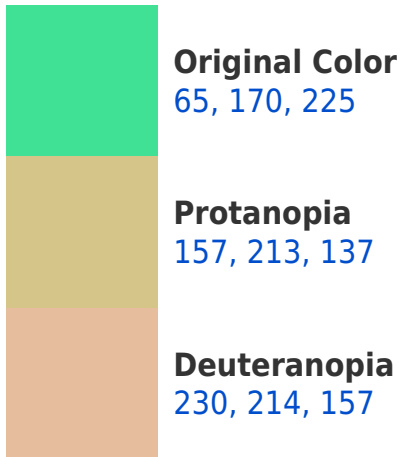


This preview shows how white text looks on a background with the RYB color 65, 170, 225.

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
99, 161, 232

Trichromacy



Original Color

65, 170, 225



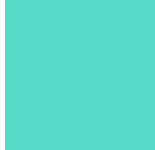
Protanomaly

141, 207, 189



Deuteranomaly

154, 202, 186



Tritanomaly

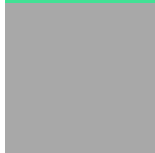
87, 158, 219

Monochromacy



Original Color

65, 170, 225



Achromatopsia

168, 168, 168



Achromatomaly

131, 169, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 170, 225 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, 225, 149)` looks like.

```
.text, #text, p{  
    color:rgb(65, 225, 149)  
}
```

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, 225, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 225, 149) }
```

Border

The CSS property to change the border of an element to RYB 65, 170, 225 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, 225, 149) }
```

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

```
.border{ border-color:rgb(65, 225, 149) }
```

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

Here you see how a box with a 4 pixel rgb(65, 225, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 225, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 225, 149);  
box-shadow:4px 4px 4px 4px rgb(65, 225,  
149) }
```

Background

The CSS property to change the background color of an element to RGB 65, 170, 225 is called "background".

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

```
.background, #background, body{  
background: rgb(65, 225, 149) }
```

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

```
.background{ background-color: rgb(65, 225,  
149) }
```

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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