

Converting Colors

`RYB(65, 150, 215)`

Have a look what the booklet for
RYB(65, 150, 215) contains.

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Color

RYB(65, 150, 215)

Conversions

Conversions Part 1

Format	Color
Hex	41D7B4
RGB	65, 215, 180
RGB Percent	25%, 84%, 71%
CMY	0.7451, 0.1569, 0.2953
CMYK	0.70, 0.00, 0.16, 0.16
HSL	166°, 65%, 55%
HSV	166°, 70%, 84%
XYZ	34.6887, 53.0080, 51.4264
YIQ	166.1600, -78.1650, -42.6850

Conversions

Conversions Part 2

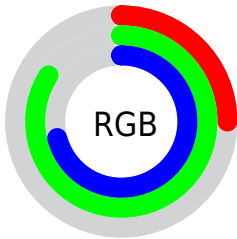
Format	Color
R _{YB}	65, 150, 215
Decimal	4315060
CIE Lab	77.88, -47.34, 6.11
CIE LCh	78, 47.730, 172.648
Yxy	53.0080, 0.2493, 0.3810
Android (android.graphics.Color)	4282505140 (0xFF41D7B4)
YUV	166.1600, 6.8231, -88.7173
Hunter-Lab	72.8066, -42.3653, 9.0856

Details

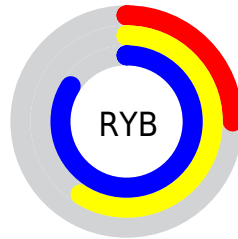
The RYB color **65, 150, 215** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **215, 65, 100**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **131, 198, 255**, and **0, 88, 159** is the 20% darker color. If you saturate the color by 10%, you get **44, 141, 215**, and if you desaturate by 10%, it is **87, 159, 215**.

Distribution



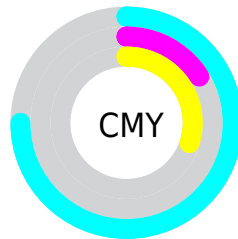
- Red (25%)
- Green (84%)
- Blue (71%)



- Red (25%)
- Yellow (59%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (16%)
- Black (16%)



- Cyan (75%)
- Magenta (16%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 150, 215 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, 150, 215 by changing the saturation by 10% instead.



65, 150, 215



65, 150, 215

255, 255, 255



9, 107, 187



131, 198, 255



0, 88, 159



162, 209, 255



0, 74, 132



192, 224, 255



0, 61, 106



223, 239, 255



0, 48, 81

254, 255, 255



0, 36, 57



0, 26, 35



0, 0, 0



65, 150, 215



65, 150, 215

■ 44, 141, 215

■ 87, 159, 215

■ 22, 131, 215

■ 108, 169, 215

■ 1, 122, 215

■ 130, 178, 215

■ 0, 122, 215

■ 151, 187, 215

■ 173, 197, 215

■ 194, 206, 215

■ 216, 215, 215

■ 237, 215, 220

■ 255, 215, 225

Harmonies

Analogous

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



135, 208, 210



65, 150, 215



0, 110, 225

Triad

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



65, 150, 215



180, 185, 255



255, 195, 124

Complementary

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



65, 150, 215



215, 65, 100

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, 159, 161



65, 150, 215



237, 169, 247

Square

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



65, 150, 215



99, 160, 255



255, 158, 205



172, 230, 104

Rectangle

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



65, 150, 215



0, 115, 251



255, 158, 205



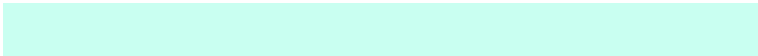
255, 177, 135

Sweetspot

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



65, 150, 215



201, 232, 255



65, 215, 177



96, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



65, 150, 215



41, 162, 255



65, 129, 215



96, 102, 107



0, 97, 171



0, 24, 43

Inverse Universe

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



215, 65, 100



255, 41, 91



215, 116, 65



107, 96, 99



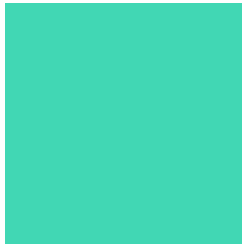
171, 0, 40



43, 0, 10

Previews

White Background



This preview shows how the RYB color 65, 150, 215 looks on a white background.

Color Contrast Check

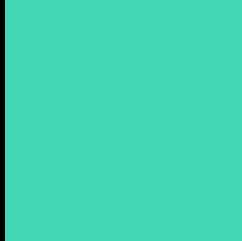
Large Text (above 18pt) WCAG AA × Fail

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, 150, 215 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

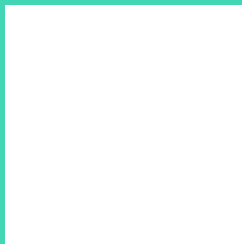
Any Text WCAG AAA ✓ Pass

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

RYB 65, 150, 215 Background



This preview shows how black text looks on a background with the RYB color 65, 150, 215.

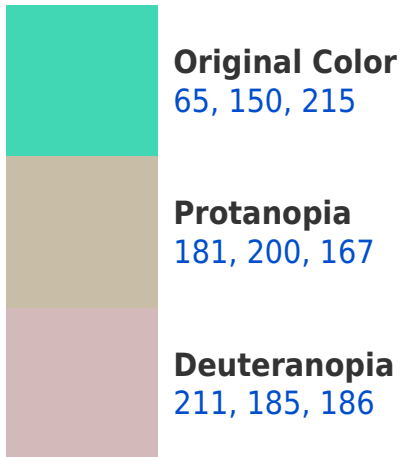


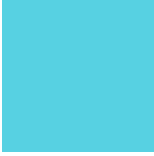
This preview shows how white text looks on a background with the RYB color 65, 150, 215.

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
87, 152, 226

Trichromacy



Original Color

65, 150, 215



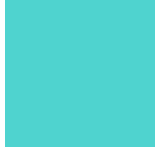
Protanomaly

151, 184, 199



Deuteranomaly

158, 181, 196



Tritanomaly

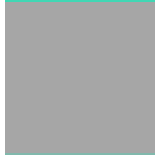
79, 146, 211

Monochromacy



Original Color

65, 150, 215



Achromatopsia

166, 166, 166



Achromatomaly

129, 160, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 150, 215 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, 215, 180)` looks like.

```
.text, #text, p{  
    color:rgb(65, 215, 180)  
}
```

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, 215, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 215, 180) }
```

Border

The CSS property to change the border of an element to RYB 65, 150, 215 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, 215, 180) }
```

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

```
.border{ border-color:rgb(65, 215, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 215, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 215, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 215, 180);  
box-shadow:4px 4px 4px 4px rgb(65, 215,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 65, 150, 215 is called "background".

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

```
.background, #background, body{  
background: rgb(65, 215, 180) }
```

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

```
.background{ background-color: rgb(65, 215,  
180) }
```

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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