

Converting Colors

`RYB(65, 145, 188)`

Have a look what the booklet for
RYB(65, 145, 188) contains.

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Color

`RYB(65, 145, 188)`

Conversions

Conversions Part 1	
Format	Color
Hex	41BC83
RGB	65, 188, 131
RGB Percent	25%, 74%, 51%
CMY	0.7451, 0.2627, 0.4858
CMYK	0.65, 0.00, 0.30, 0.26
HSL	152°, 49%, 50%
HSV	152°, 65%, 74%
XYZ	24.2676, 38.7320, 27.7097
YIQ	144.7250, -55.0110, -43.8030

Conversions

Conversions Part 2

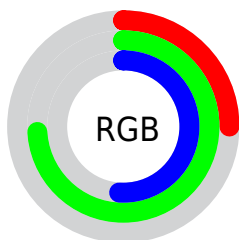
Format	Color
RYB	65, 145, 188
Decimal	4308099
CIELab	68.56, -47.27, 19.05
CIELCh	69, 50.962, 158.055
Yxy	38.7320, 0.2675, 0.4270
Android (android.graphics.Color)	4282498179 (0xFF41BC83)
YUV	144.7250, -6.7664, -69.9188
Hunter-Lab	62.2350, -39.3081, 17.1661

Details

The RYB color **65, 145, 188** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **188, 65, 122**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **126, 206, 245**, and **0, 84, 134** is the 20% darker color. If you saturate the color by 10%, you get **46, 138, 188**, and if you desaturate by 10%, it is **84, 152, 188**.

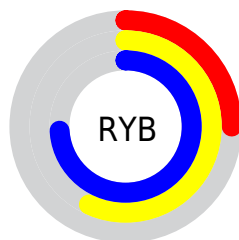
Distribution



Red (25%)

Green (74%)

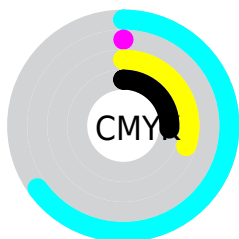
Blue (51%)



Red (25%)

Yellow (57%)

Blue (74%)

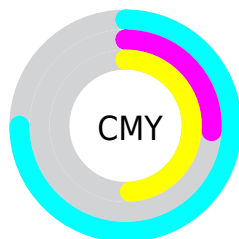


Cyan (65%)

Magenta (0%)

Yellow (30%)

Black (26%)



Cyan (75%)


Magenta (26%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 145, 188 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, 145, 188 by changing the saturation by 10% instead.

 65, 145, 188

255, 255, 255


 126, 206, 245


 155, 219, 255

 184, 223, 255

 214, 235, 255

 244, 250, 255

 65, 145, 188

 26, 110, 160

 0, 84, 134


 0, 70, 108


 0, 57, 82


 0, 46, 58


 0, 36, 36


 0, 0, 0

 65, 145, 188

 46, 138, 188


 65, 145, 188

 84, 152, 188


 27, 132, 188

 103, 158, 188


 9, 126, 188


 121, 165, 188

 0, 122, 188

 140, 171, 188

 159, 178, 188

 178, 185, 188

 197, 188, 192

 215, 188, 201

 234, 188, 209

Harmonies

Analogous

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



92, 181, 140



65, 145, 188



0, 99, 191

Triad

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



65, 145, 188



110, 151, 255



248, 141, 113

Complementary

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



65, 145, 188



188, 65, 122

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.



253, 128, 156



65, 145, 188



187, 150, 240

Square

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



65, 145, 188



0, 105, 252



234, 134, 203



216, 222, 81

Rectangle

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



65, 145, 188



0, 100, 209



234, 134, 203



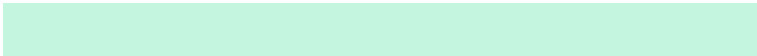
252, 132, 126

Sweetspot

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



65, 145, 188



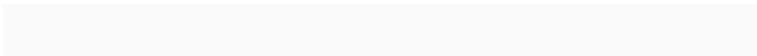
196, 228, 245



65, 188, 131



93, 112, 122



250, 250, 250



122, 122, 122

Same Dimension

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



65, 145, 188



51, 177, 245



65, 125, 188



85, 91, 94



0, 103, 158



0, 20, 31

Inverse Universe

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



188, 65, 122



245, 51, 141



188, 69, 65



94, 85, 89



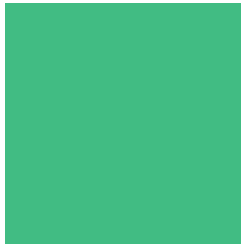
158, 0, 73



31, 0, 14

Previews

White Background



This preview shows how the RYB color 65, 145, 188 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, 145, 188 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, 145, 188 Background



This preview shows how black text looks on a background with the RYB color 65, 145, 188.

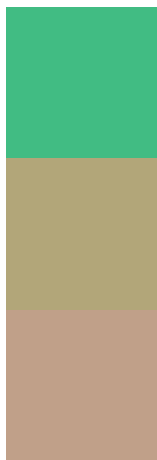


This preview shows how white text looks on a background with the RYB color 65, 145, 188.

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



Original Color

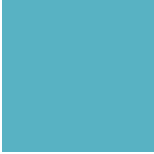
65, 145, 188

Protanopia

136, 178, 121

Deuteranopia


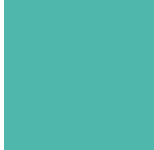
192, 177, 137




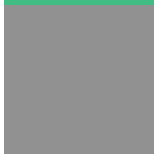

Tritanopia

88, 137, 195

Trichromacy

	Original Color 65, 145, 188
	Protanomaly 125, 174, 162
	Deuteranomaly 135, 170, 159
	Tritanomaly 80, 134, 183

Monochromacy

	Original Color 65, 145, 188
	Achromatopsia 145, 145, 145
	Achromatomaly 116, 145, 161

CSS Examples

Text

The CSS property to change the color of the text to RGB 65, 145, 188 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, 188, 131) looks like.

```
.text, #text, p{  
    color:rgb(65, 188, 131)  
}
```

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, 188, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 188, 131) }
```

Border

The CSS property to change the border of an element to RYB 65, 145, 188 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, 188, 131) }
```

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

```
.border{ border-color:rgb(65, 188, 131) }
```

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

Here you see how a box with a 4 pixel rgb(65, 188, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 188, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 188, 131);  
box-shadow:4px 4px 4px 4px rgb(65, 188,  
131) }
```

Background

The CSS property to change the background color of an element to RGB 65, 145, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 188, 131) }
```

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

```
.background{ background-color: rgb(65, 188,  
131) }
```

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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