

Converting Colors

`RYB(65, 129, 197)`

Have a look what the booklet for
RYB(65, 129, 197) contains.

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Color

R_YB(65, 129, 197)

Conversions

Conversions Part 1

Format	Color
Hex	41BDC5
RGB	65, 189, 197
RGB Percent	25%, 74%, 77%
CMY	0.7451, 0.2579, 0.2275
CMYK	0.67, 0.04, 0.00, 0.23
HSL	184°, 53%, 51%
HSV	184°, 67%, 77%
XYZ	30.5063, 41.6515, 59.2550
YIQ	152.8360, -76.4720, -23.8000

Conversions

Conversions Part 2

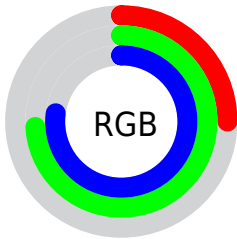
Format	Color
R _{YB}	65, 129, 197
Decimal	4308421
CIE Lab	70.63, -31.07, -13.92
CIE LCh	71, 34.046, 204.142
Yxy	41.6515, 0.2321, 0.3170
Android (android.graphics.Color)	4282498501 (0xFF41BDC5)
YUV	152.8360, 21.7729, -77.0322
Hunter-Lab	64.5380, -28.5669, -9.2600

Details

The RYB color **65, 129, 197** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **197, 74, 65**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **129, 189, 254**, and **0, 69, 143** is the 20% darker color. If you saturate the color by 10%, you get **45, 119, 197**, and if you desaturate by 10%, it is **85, 139, 197**.

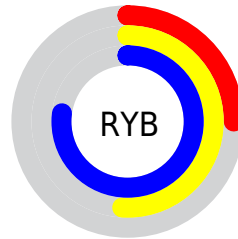
Distribution



Red (25%)

Green (74%)

Blue (77%)



Red (25%)

Yellow (51%)

Blue (77%)

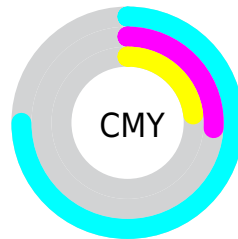


Cyan (67%)

Magenta (4%)

Yellow (0%)

Black (23%)



Cyan (75%)

Magenta (26%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 129, 197 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, 129, 197 by changing the saturation by 10% instead.



65, 129, 197



65, 129, 197

255, 255, 255



17, 91, 170



129, 189, 254



0, 69, 143



159, 207, 255



0, 57, 118



189, 222, 255



0, 44, 93



219, 237, 255



0, 32, 69



250, 253, 255



0, 21, 47



0, 5, 27



0, 0, 0



65, 129, 197



65, 129, 197

■ 45, 119, 197

■ 85, 139, 197

■ 26, 109, 197

■ 104, 149, 197

■ 6, 99, 197

■ 124, 159, 197

■ 0, 95, 197

■ 144, 170, 197

■ 164, 180, 197

■ 183, 190, 197

■ 203, 197, 197

■ 223, 199, 197

■ 242, 200, 197

Harmonies

Analogous

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



95, 149, 189



65, 129, 197



76, 138, 222

Triad

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



65, 129, 197



206, 156, 209



157, 199, 111

Complementary

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



65, 129, 197



197, 74, 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.



223, 176, 124



65, 129, 197



229, 150, 180

Square

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



65, 129, 197



168, 167, 229



234, 151, 149



115, 179, 126

Rectangle

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



65, 129, 197



104, 152, 232



234, 151, 149



193, 208, 114

Sweetspot

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



65, 129, 197



204, 229, 255



65, 190, 197



97, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



65, 129, 197



51, 150, 255



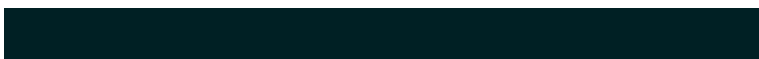
65, 106, 197



90, 95, 99



0, 79, 163



0, 17, 36

Inverse Universe

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



197, 65, 189



255, 51, 243



172, 197, 65



99, 90, 99



163, 0, 154



36, 0, 34

Previews

White Background



This preview shows how the RYB color 65, 129, 197 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, 129, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

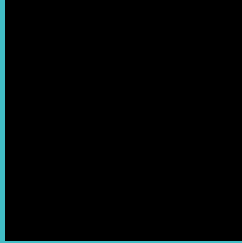
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

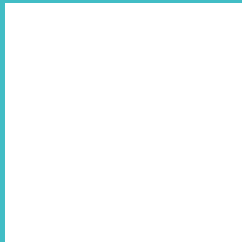
Any Text WCAG AAA ✓ Pass

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

RYB 65, 129, 197 Background



This preview shows how black text looks on a background with the RYB color 65, 129, 197.

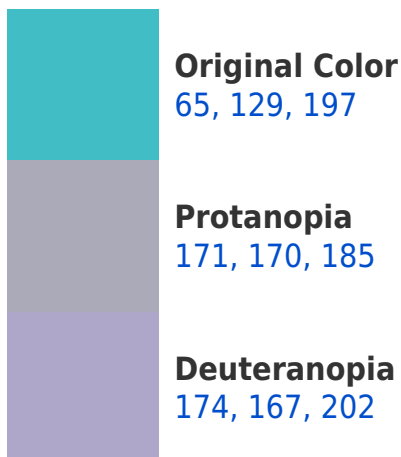


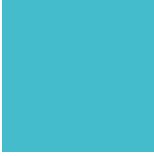
This preview shows how white text looks on a background with the RYB color 65, 129, 197.

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
69, 132, 203

Trichromacy



Original Color

65, 129, 197



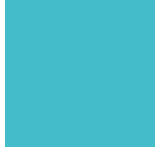
Protanomaly

132, 157, 189



Deuteranomaly

134, 159, 200



Tritanomaly

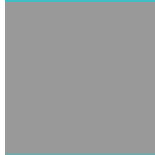
68, 131, 201

Monochromacy



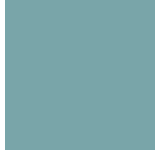
Original Color

65, 129, 197



Achromatopsia

153, 153, 153



Achromatomaly

121, 144, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 129, 197 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, 189, 197)` looks like.

```
.text, #text, p{  
    color:rgb(65, 189, 197)  
}
```

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, 189, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 189, 197) }
```

Border

The CSS property to change the border of an element to RYB 65, 129, 197 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, 189, 197) }
```

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

```
.border{ border-color:rgb(65, 189, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 189, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 189, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 189, 197); box-shadow:4px 4px 4px 4px rgb(65, 189, 197) }
```

Background

The CSS property to change the background color of an element to RGB 65, 129, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 189, 197) }
```

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

```
.background{ background-color: rgb(65, 189,  
197) }
```

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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