

Converting Colors

`RYB(65, 122, 197)`

Have a look what the booklet for
RYB(65, 122, 197) contains.

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Color

R_YB(65, 122, 197)

Conversions

Conversions Part 1

Format	Color
Hex	41A5C5
RGB	65, 165, 197
RGB Percent	25%, 65%, 77%
CMY	0.7451, 0.3517, 0.2275
CMYK	0.67, 0.16, 0.00, 0.23
HSL	194°, 53%, 51%
HSV	194°, 67%, 77%
XYZ	25.7709, 32.1809, 57.6766
YIQ	138.7480, -69.8720, -11.2480

Conversions

Conversions Part 2

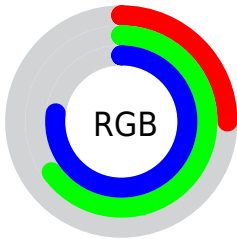
Format	Color
R _{YB}	65, 122, 197
Decimal	4302277
CIE _{Lab}	63.49, -19.02, -24.77
CIE _{LCh}	63, 31.229, 232.480
Yxy	32.1809, 0.2229, 0.2783
Android (android.graphics.Color)	4282492357 (0xFF41A5C5)
YUV	138.7480, 28.7182, -64.6770
Hunter-Lab	56.7282, -18.1839, -20.5715

Details

The RYB color **65, 122, 197** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **197, 107, 65**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **127, 181, 254**, and **0, 63, 143** is the 20% darker color. If you saturate the color by 10%, you get **45, 111, 197**, and if you desaturate by 10%, it is **85, 133, 197**.

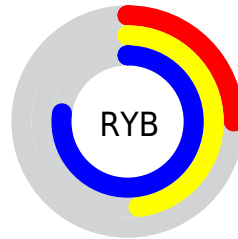
Distribution



Red (25%)

Green (65%)

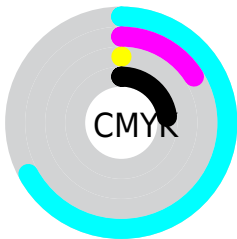
Blue (77%)



Red (25%)

Yellow (48%)

Blue (77%)

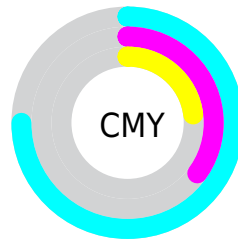


Cyan (67%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (75%)

















Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 122, 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, 122, 197 by changing the saturation by 10% instead.

 65, 122, 197	 65, 122, 197
 255, 255, 255	 23, 88, 170
 127, 181, 254	 0, 63, 143
 157, 204, 255	 0, 51, 117
 186, 221, 255	 0, 38, 93
 216, 236, 255	 0, 26, 69
 246, 251, 255	 0, 15, 46
	 0, 1, 25
	 0, 0, 0

 65, 122, 197  65, 122, 197

■ 45, 111, 197

■ 85, 133, 197

■ 26, 100, 197

■ 104, 144, 197

■ 6, 88, 197

■ 124, 156, 197

■ 0, 85, 197

■ 144, 167, 197

■ 164, 178, 197

■ 183, 189, 197

■ 203, 198, 197

■ 223, 205, 197

■ 242, 212, 197

Harmonies

Analogous

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



58, 115, 174



65, 122, 197



104, 140, 208

Triad

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



65, 122, 197



203, 133, 162



102, 159, 110

Complementary

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



65, 122, 197



197, 107, 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.



144, 179, 99



65, 122, 197



209, 134, 134

Square

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



65, 122, 197



182, 139, 188



200, 154, 111



119, 165, 165

Rectangle

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



65, 122, 197



134, 148, 208



200, 154, 111



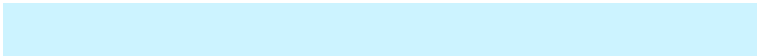
104, 161, 99

Sweetspot

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



65, 122, 197



204, 226, 255



65, 172, 197



97, 110, 128



0, 0, 0



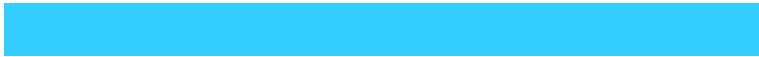
128, 128, 128

Same Dimension

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



65, 122, 197



51, 139, 255



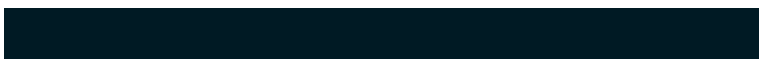
65, 93, 197



90, 94, 99



0, 70, 163



0, 15, 36

Inverse Universe

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



197, 65, 165



255, 51, 206



113, 197, 65



99, 90, 97



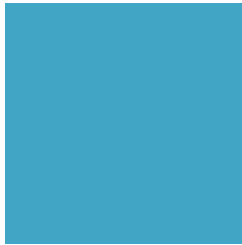
163, 0, 124



36, 0, 27

Previews

White Background



This preview shows how the RYB color 65, 122, 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, 122, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

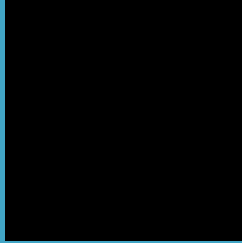
Any Text WCAG AA ✓ Pass

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, 122, 197 Background



This preview shows how black text looks on a background with the RYB color 65, 122, 197.

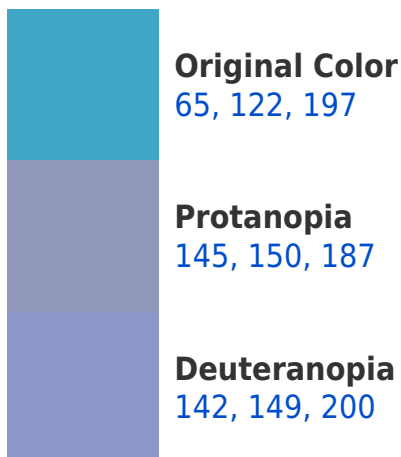



This preview shows how white text looks on a background with the RYB color 65, 122, 197.

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





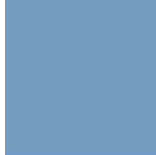
Tritanopia
56, 115, 182

Trichromacy



Original Color

65, 122, 197



Protanomaly

116, 142, 191



Deuteranomaly

114, 142, 199



Tritanomaly

59, 118, 187

Monochromacy



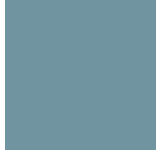
Original Color

65, 122, 197



Achromatopsia

139, 139, 139



Achromatomaly

112, 133, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 122, 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, 165, 197)` looks like.

```
.text, #text, p{  
    color:rgb(65, 165, 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, 165, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 165, 197) }
```

Border

The CSS property to change the border of an element to RYB 65, 122, 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, 165, 197) }
```

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

```
.border{ border-color:rgb(65, 165, 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, 165, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 165, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 165, 197);  
box-shadow:4px 4px 4px 4px rgb(65, 165,  
197) }
```

Background

The CSS property to change the background color of an element to RGB 65, 122, 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, 122, 197) }
```

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

```
.background{ background-color: rgb(65, 122, 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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