

Converting Colors

`RYB(63, 132, 206)`

Have a look what the booklet for
RYB(63, 132, 206) contains.

RYB(63, 132, 206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(63, 132, 206)`

Conversions

Conversions Part 1

Format	Color
Hex	3FC4CE
RGB	63, 196, 206
RGB Percent	25%, 77%, 81%
CMY	0.7529, 0.2300, 0.1922
CMYK	0.69, 0.05, 0.00, 0.19
HSL	184°, 59%, 53%
HSV	184°, 69%, 81%
XYZ	33.0067, 45.1454, 65.3668
YIQ	157.3730, -82.4780, -25.0860

Conversions

Conversions Part 2

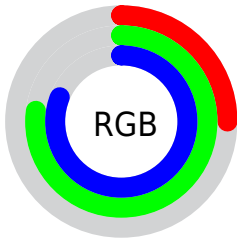
Format	Color
RYB	63, 132, 206
Decimal	4179150
CIELab	72.99, -32.12, -15.29
CIELCh	73, 35.576, 205.457
Yxy	45.1454, 0.2300, 0.3146
Android (android.graphics.Color)	4282369230 (0xFF3FC4CE)
YUV	157.3730, 23.9731, -82.7651
Hunter-Lab	67.1904, -29.8965, -10.6476

Details

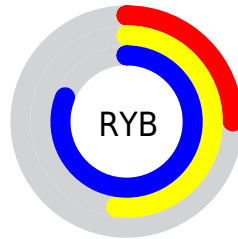
The RYB color **63, 132, 206** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **206, 74, 63**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **129, 191, 255**, and **0, 73, 152** is the 20% darker color. If you saturate the color by 10%, you get **42, 121, 206**, and if you desaturate by 10%, it is **84, 143, 206**.

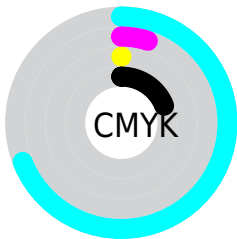
Distribution



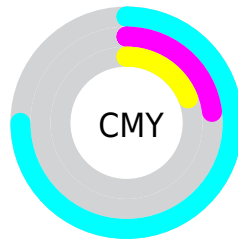
- Red (25%)
- Green (77%)
- Blue (81%)



- Red (25%)
- Yellow (52%)
- Blue (81%)



- Cyan (69%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)




















- Cyan (75%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 63, 132, 206 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 63, 132, 206 by changing the saturation by 10% instead.

 63, 132, 206	 63, 132, 206
 255, 255, 255	 4, 89, 179
 129, 191, 255	 0, 73, 152
 160, 208, 255	 0, 60, 126
 190, 223, 255	 0, 48, 101
 221, 238, 255	 0, 36, 77
 252, 254, 255	 0, 24, 54
	 0, 12, 33
	 0, 0, 8
	 0, 0, 0

■ 63, 132, 206

■ 63, 132, 206

■ 42, 121, 206

■ 84, 143, 206

■ 22, 111, 206

■ 104, 153, 206

■ 1, 100, 206

■ 125, 164, 206

■ 0, 99, 206

■ 145, 174, 206

■ 166, 185, 206

■ 187, 196, 206

■ 207, 206, 206

■ 228, 207, 206

■ 248, 209, 206

Harmonies

Analogous

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



95, 153, 197



63, 132, 206



77, 143, 232

Triad

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



63, 132, 206



216, 161, 217



161, 206, 114

Complementary

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



63, 132, 206



206, 74, 63

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.



231, 184, 127



63, 132, 206



239, 155, 185

Square

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



63, 132, 206



176, 173, 238



243, 156, 153



119, 186, 132

Rectangle

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



63, 132, 206



109, 158, 242



243, 156, 153



192, 215, 116

Sweetspot

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



63, 132, 206



201, 227, 255



63, 197, 206



96, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



63, 132, 206



43, 145, 255



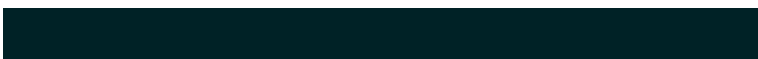
63, 106, 206



92, 97, 102



0, 80, 166



0, 18, 38

Inverse Universe

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



206, 63, 196



255, 43, 241



172, 206, 63



102, 92, 101



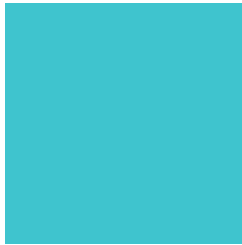
166, 0, 155



38, 0, 36

Previews

White Background



This preview shows how the RYB color 63, 132, 206 looks on a white background.

Color Contrast Check

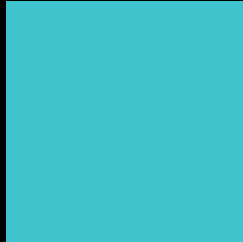
Large Text (above 18pt) WCAG AA × Fail

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 63, 132, 206 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](#).

RGB 63, 132, 206 Background



This preview shows how black text looks on a background with the RGB color 63, 132, 206.

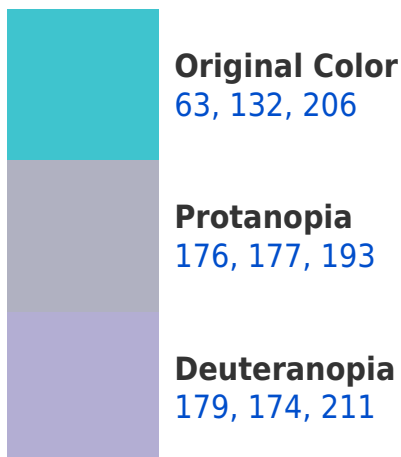


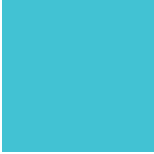
This preview shows how white text looks on a background with the RGB color 63, 132, 206.

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
66, 134, 211

Trichromacy



Original Color
63, 132, 206



Protanomaly
135, 163, 198



Deuteranomaly
137, 165, 209

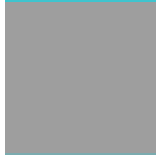


Tritanomaly
65, 133, 209

Monochromacy



Original Color
63, 132, 206



Achromatopsia
158, 158, 158



Achromatomaly
123, 148, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 132, 206 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(63, 196, 206)` looks like.

```
.text, #text, p{  
    color:rgb(63, 196, 206)  
}
```

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(63, 196, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 196, 206) }
```

Border

The CSS property to change the border of an element to RYB 63, 132, 206 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(63, 196, 206) }
```

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

```
.border{ border-color:rgb(63, 196, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 196, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 196, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 196, 206);  
box-shadow:4px 4px 4px 4px rgb(63, 196,  
206) }
```

Background

The CSS property to change the background color of an element to RGB 63, 132, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 196, 206) }
```

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

```
.background{ background-color: rgb(63, 196,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor