

# Converting Colors

`RYB(58, 157, 196)`

Have a look what the booklet for  
RYB(58, 157, 196) contains.

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# Color

**R<sub>Y</sub>B(58, 157, 196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AC470
RGB	58, 196, 112
RGB Percent	23%, 77%, 44%
CMY	0.7725, 0.2314, 0.5594
CMYK	0.70, 0.00, 0.43, 0.23
HSL	144°, 54%, 50%
HSV	144°, 70%, 77%
XYZ	24.4298, 41.5574, 22.1694
YIQ	145.1620, -55.2840, -55.3800

# Conversions

## Conversions Part 2

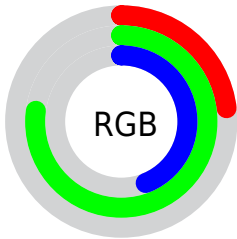
Format	Color
<a href="#">RYB</a>	<a href="#">58, 157, 196</a>
Decimal	<a href="#">3851376</a>
CIELab	<a href="#">70.56, -55.22, 31.59</a>
CIELCh	<a href="#">71, 63.616, 150.227</a>
Yxy	<a href="#">41.5574, 0.2771, 0.4714</a>
Android (android.graphics.Color)	<a href="#">4282041456</a> ( <a href="#">0xFF3AC470</a> )
YUV	<a href="#">145.1620, -16.3489, -76.4411</a>
Hunter-Lab	<a href="#">64.4650, -45.1691, 24.7358</a>

# Details

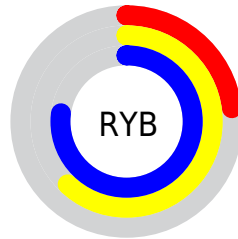
The RYB color **58, 157, 196** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **196, 58, 142**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **122, 222, 254**, and **0, 97, 141** is the 20% darker color. If you saturate the color by 10%, you get **38, 151, 196**, and if you desaturate by 10%, it is **78, 163, 196**.

# Distribution



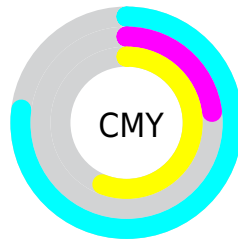
- Red (23%)
- Green (77%)
- Blue (44%)



- Red (23%)
- Yellow (62%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (43%)
- Black (23%)




- Cyan (77%)
- Magenta (23%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 58, 157, 196 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 58, 157, 196 by changing the saturation by 10% instead.



 58, 157, 196

255, 255, 255


 122, 222, 254


 152, 226, 255

 182, 230, 255

 212, 235, 255

 242, 249, 255

 58, 157, 196

 2, 112, 168

 0, 97, 141

 0, 85, 114


 0, 76, 89


 0, 64, 64

 0, 41, 41

 0, 4, 4

 0, 0, 0

 58, 157, 196

 58, 157, 196

■ 38, 151, 196

■ 78, 163, 196

■ 19, 146, 196

■ 97, 168, 196

■ 0, 141, 196

■ 117, 174, 196

■ 136, 179, 196

■ 156, 185, 196

■ 176, 190, 196

■ 195, 196, 196

■ 215, 196, 207

■ 234, 196, 219

# Harmonies

## Analogous

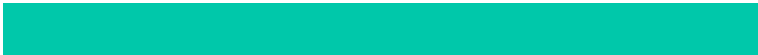
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65, 186, 106



58, 157, 196



0, 108, 200

# Triad

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



58, 157, 196



0, 105, 255



255, 128, 118

# Complementary

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



58, 157, 196



196, 58, 142

# 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, 119, 175



58, 157, 196



174, 157, 255

# Square

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



58, 157, 196



0, 110, 255



243, 133, 231



248, 207, 71

# Rectangle

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



58, 157, 196



0, 103, 211



243, 133, 231



255, 122, 136

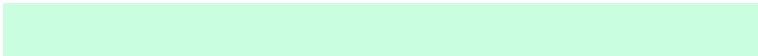


# Sweetspot

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



58, 157, 196



201, 239, 255



58, 196, 111



96, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



58, 157, 196



41, 195, 255



58, 131, 196



87, 94, 97



0, 116, 161



0, 24, 33



# Inverse Universe

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



196, 58, 142



255, 41, 171



196, 58, 74



97, 87, 93



161, 0, 97



33, 0, 20



# Previews

## White Background



This preview shows how the RYB color 58, 157, 196 looks on a white background.

## Color Contrast Check

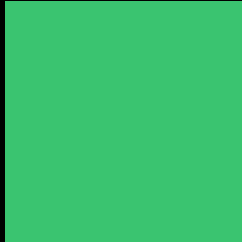
Large Text (above 18pt) WCAG AA × Fail

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 58, 157, 196 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](#).



## R Y B 58, 157, 196 Background



This preview shows how black text looks on a background with the R Y B color 58, 157, 196.

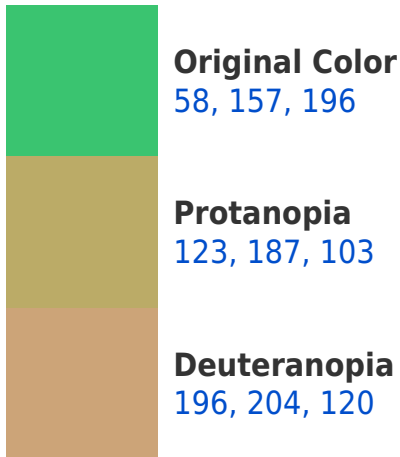


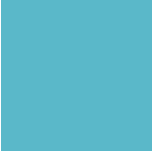
This preview shows how white text looks on a background with the R Y B color 58, 157, 196.

# 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**  
90, 141, 201

# Trichromacy



**Original Color**

58, 157, 196



**Protanomaly**

106, 180, 146



**Deuteranomaly**

117, 176, 142



**Tritanomaly**

78, 140, 190

# Monochromacy



**Original Color**

58, 157, 196



**Achromatopsia**

145, 145, 145



**Achromatomaly**

113, 150, 164

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 58, 157, 196 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(58, 196, 112)` looks like.

```
.text, #text, p{  
    color:rgb(58, 196, 112)  
}
```

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(58, 196, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 196, 112) }
```

## Border

The CSS property to change the border of an element to RYB 58, 157, 196 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(58, 196, 112) }
```

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

```
.border{ border-color:rgb(58, 196, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 196, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 196, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 196, 112);  
box-shadow:4px 4px 4px 4px rgb(58, 196,  
112) }
```

# Background

The CSS property to change the background color of an element to RYB 58, 157, 196 is called "background".

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

```
.background, #background, body{  
background: rgb(58, 196, 112) }
```

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

```
.background{ background-color: rgb(58, 196,  
112) }
```

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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