

# Converting Colors

`RYB(62, 118, 201)`

Have a look what the booklet for  
RYB(62, 118, 201) contains.

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# Color

**`RYB(62, 118, 201)`**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3E9CC9
RGB	62, 156, 201
RGB Percent	24%, 61%, 79%
CMY	0.7569, 0.3891, 0.2118
CMYK	0.69, 0.22, 0.00, 0.21
HSL	200°, 56%, 52%
HSV	200°, 69%, 79%
XYZ	24.3813, 28.9454, 59.5603
YIQ	133.0240, -70.4690, -5.9330

# Conversions

## Conversions Part 2

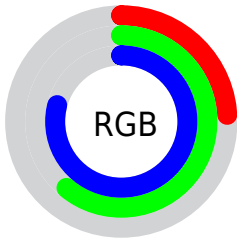
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 118, 201
Decimal	4103369
CIELab	60.73, -13.05, -31.27
CIElCh	61, 33.883, 247.342
Yxy	28.9454, 0.2160, 0.2564
Android (android.graphics.Color)	4282293449 (0xFF3E9CC9)
YUV	133.0240, 33.5122, -62.2880
Hunter-Lab	53.8009, -13.2596, -27.9764

# Details

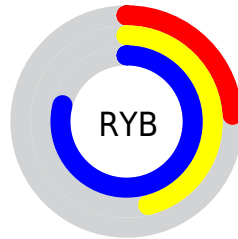
The RYB color **62, 118, 201** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **201, 129, 62**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **125, 176, 255**, and **0, 61, 147** is the 20% darker color. If you saturate the color by 10%, you get **42, 106, 201**, and if you desaturate by 10%, it is **82, 130, 201**.

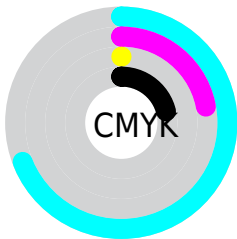
# Distribution



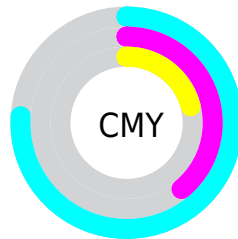
- Red (24%)
- Green (61%)
- Blue (79%)



- Red (24%)
- Yellow (46%)
- Blue (79%)



- Cyan (69%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)



















- Cyan (76%)
- Magenta (39%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 62, 118, 201 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 62, 118, 201 by changing the saturation by 10% instead.



 62, 118, 201	 62, 118, 201
 255, 255, 255	 15, 82, 174
 125, 176, 255	 0, 61, 147
 155, 201, 255	 0, 49, 121
 184, 220, 255	 0, 36, 96
 214, 235, 255	 0, 24, 72
 244, 250, 255	 0, 8, 49
	 0, 1, 28
	 0, 0, 0

 62, 118, 201	 62, 118, 201
--	--

■ 42, 106, 201

■ 82, 130, 201

■ 22, 94, 201

■ 102, 142, 201

■ 2, 82, 201

■ 122, 154, 201

■ 0, 81, 201

■ 142, 166, 201

■ 163, 178, 201

■ 183, 190, 201

■ 203, 203, 201

■ 223, 211, 201

■ 243, 222, 201

# Harmonies

## Analogous

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



12, 91, 182



62, 118, 201



115, 139, 205

# Triad

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



62, 118, 201



204, 123, 140



98, 155, 126

# Complementary

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



62, 118, 201



201, 129, 62

# 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.



100, 159, 86



62, 118, 201



202, 130, 112

# Square

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



62, 118, 201



190, 127, 170



185, 179, 92



90, 139, 161

# Rectangle

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



62, 118, 201



146, 140, 200



185, 179, 92



92, 153, 107

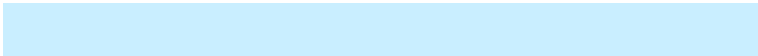


# Sweetspot

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



62, 118, 201



201, 223, 255



62, 168, 201



96, 109, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



62, 118, 201



43, 128, 255



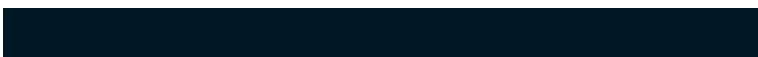
62, 83, 201



90, 94, 99



0, 66, 163



0, 14, 36



# Inverse Universe

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



201, 62, 156



255, 43, 186



92, 201, 62



99, 90, 96



163, 0, 110



36, 0, 24



# Previews

## White Background



This preview shows how the RYB color 62, 118, 201 looks on a white background.

## Color Contrast Check

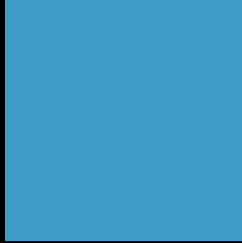
Large Text (above 18pt) WCAG AA ✓ Pass

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 62, 118, 201 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 × Fail

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



## RYP 62, 118, 201 Background



This preview shows how black text looks on a background with the RYP color 62, 118, 201.

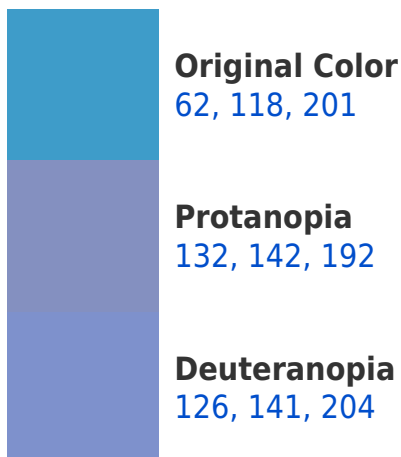


This preview shows how white text looks on a background with the RYP color 62, 118, 201.

# 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](#).

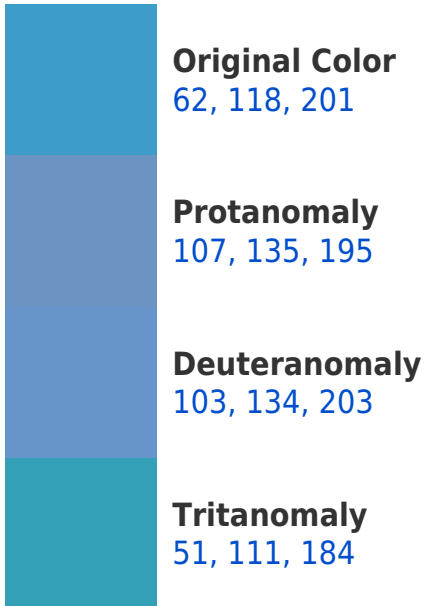
## Dichromacy



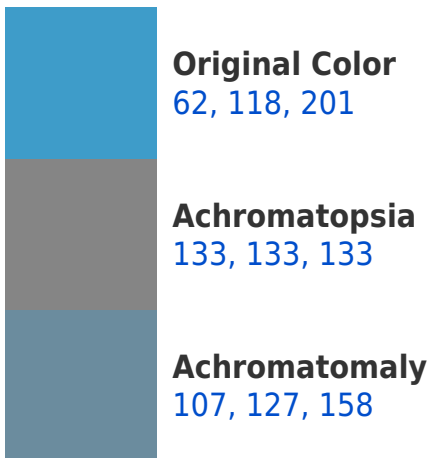


**Tritanopia**  
44, 106, 174

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 62, 118, 201 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(62, 156, 201)` looks like.

```
.text, #text, p{  
    color:rgb(62, 156, 201)  
}
```

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(62, 156, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 156, 201) }
```

## Border

The CSS property to change the border of an element to RYB 62, 118, 201 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(62, 156, 201) }
```

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

```
.border{ border-color:rgb(62, 156, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 156, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(62, 156,  
201) }
```

# Background

The CSS property to change the background color of an element to RGB 62, 118, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 156, 201) }
```

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

```
.background{ background-color: rgb(62, 156,  
201) }
```

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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