

Converting Colors

`RYB(63, 104, 197)`

Have a look what the booklet for
RYB(63, 104, 197) contains.

RYB(63, 104, 197)	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

R_YB(63, 104, 197)

Conversions

Conversions Part 1

Format	Color
Hex	3F7AC5
RGB	63, 122, 197
RGB Percent	25%, 48%, 77%
CMY	0.7529, 0.5213, 0.2275
CMYK	0.68, 0.38, 0.00, 0.23
HSL	214°, 54%, 51%
HSV	214°, 68%, 77%
XYZ	19.0967, 19.0255, 55.4891
YIQ	112.9090, -59.2390, 10.8170

Conversions

Conversions Part 2

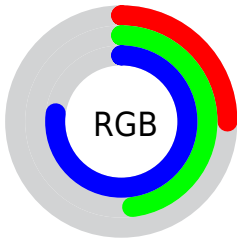
Format	Color
R _Y B	63, 104, 197
Decimal	4160197
CIE Lab	50.72, 5.28, -44.72
CIE LCh	51, 45.032, 276.727
Yxy	19.0255, 0.2040, 0.2032
Android (android.graphics.Color)	4282350277 (0xFF3F7AC5)
YUV	112.9090, 41.4569, -43.7702
Hunter-Lab	43.6183, 1.8179, -44.8932

Details

The RYB color **63, 104, 197** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **168, 197, 63**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **124, 160, 254**, and **0, 49, 143** is the 20% darker color. If you saturate the color by 10%, you get **43, 90, 197**, and if you desaturate by 10%, it is **83, 118, 197**.

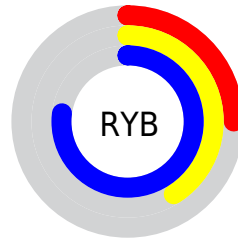
Distribution



Red (25%)

Green (48%)

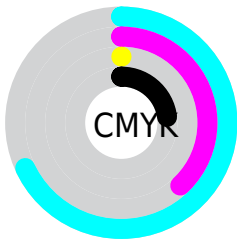
Blue (77%)



Red (25%)

Yellow (41%)

Blue (77%)

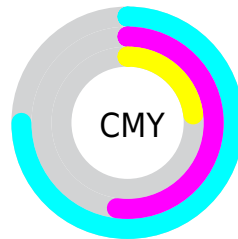


Cyan (68%)

Magenta (38%)

Yellow (0%)

Black (23%)



Cyan (75%)

Magenta (52%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 63, 104, 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 63, 104, 197 by changing the saturation by 10% instead.

■ 63, 104, 197

■ 63, 104, 197

255, 255, 255

■ 21, 72, 169

■ 124, 160, 254

■ 0, 49, 143

■ 154, 186, 255

■ 0, 36, 117

■ 183, 211, 255

■ 0, 24, 92

■ 212, 234, 255

■ 0, 6, 68

■ 242, 249, 255

■ 0, 3, 44

■ 0, 1, 23

■ 0, 0, 0

■ 63, 104, 197

■ 63, 104, 197

■ 43, 90, 197

■ 83, 118, 197

■ 24, 77, 197

■ 102, 131, 197

■ 4, 63, 197

■ 122, 145, 197

■ 0, 60, 197

■ 142, 159, 197

■ 162, 173, 197

■ 181, 186, 197

■ 201, 201, 197

■ 217, 221, 197

■ 231, 240, 197

Harmonies

Analogous

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



0, 78, 191



63, 104, 197



134, 107, 183

Triad

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



63, 104, 197



187, 97, 77



30, 99, 137

Complementary

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



63, 104, 197



168, 197, 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.



56, 132, 95



63, 104, 197



164, 166, 49

Square

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



63, 104, 197



191, 86, 114



53, 134, 39



0, 73, 140

Rectangle

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



63, 104, 197



164, 97, 163



53, 134, 39



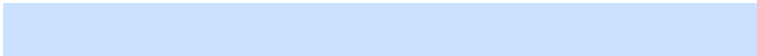
58, 121, 136

Sweetspot

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



63, 104, 197



204, 219, 255



63, 149, 197



97, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



63, 104, 197



46, 110, 255



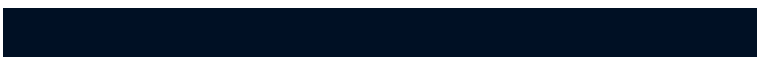
70, 63, 197



90, 93, 99



0, 50, 163



0, 11, 36

Inverse Universe

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



197, 63, 122



255, 46, 138



63, 197, 70



99, 90, 94



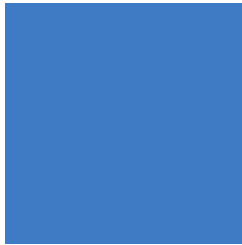
163, 0, 72



36, 0, 16

Previews

White Background



This preview shows how the RYB color 63, 104, 197 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 63, 104, 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 × Fail

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

R Y B 63, 104, 197 Background



This preview shows how black text looks on a background with the RYB color 63, 104, 197.

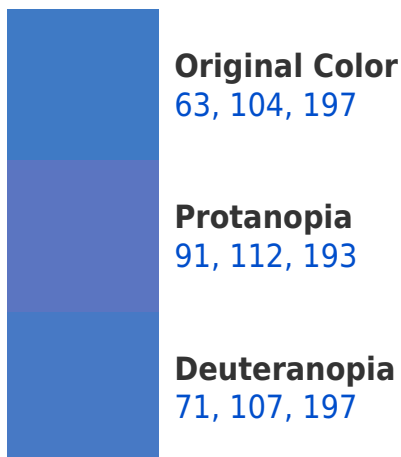


This preview shows how white text looks on a background with the RYB color 63, 104, 197.

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](#).

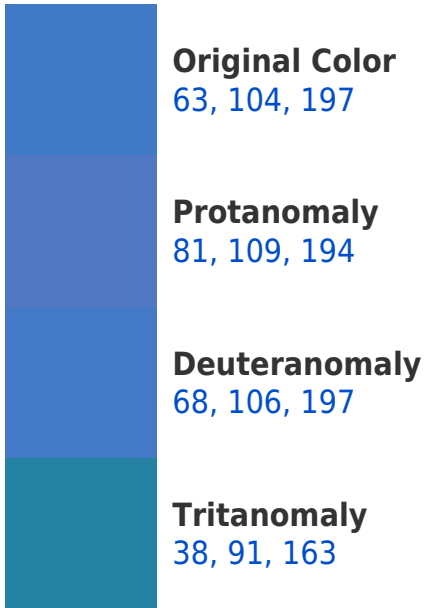
Dichromacy



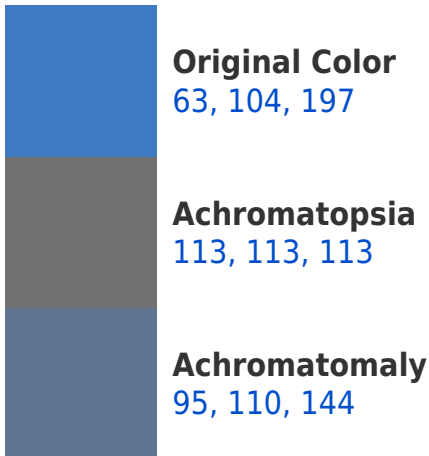


Tritanopia
23, 81, 144

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 104, 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(63, 122, 197)` looks like.

```
.text, #text, p{  
    color:rgb(63, 122, 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(63, 122, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 122, 197) }
```

Border

The CSS property to change the border of an element to RYB 63, 104, 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(63, 122, 197) }
```

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

```
.border{ border-color:rgb(63, 122, 197) }
```

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

Here you see how a box with a 4 pixel rgb(63, 122, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 122, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 122, 197);  
box-shadow:4px 4px 4px 4px rgb(63, 122,  
197) }
```

Background

The CSS property to change the background color of an element to RGB 63, 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(63, 122, 197) }
```

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

```
.background{ background-color: rgb(63, 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](#).

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