

Converting Colors

`RYB(63, 96, 207)`

Have a look what the booklet for
RYB(63, 96, 207) contains.

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Color

R_YB(63, 96, 207)

Conversions

Conversions Part 1

Format	Color
Hex	3F6ACF
RGB	63, 106, 207
RGB Percent	25%, 42%, 81%
CMY	0.7529, 0.5851, 0.1882
CMYK	0.70, 0.49, 0.00, 0.19
HSL	222°, 60%, 53%
HSV	222°, 70%, 81%
XYZ	18.4469, 15.8309, 61.1149
YIQ	104.6570, -58.0490, 22.2950

Conversions

Conversions Part 2

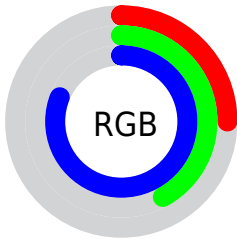
Format	Color
R _Y B	63, 96, 207
Decimal	4156111
CIE Lab	46.75, 19.01, -56.79
CIE LCh	47, 59.882, 288.506
Yxy	15.8309, 0.1934, 0.1660
Android (android.graphics.Color)	4282346191 (0xFF3F6ACF)
YUV	104.6570, 50.4551, -36.5332
Hunter-Lab	39.7880, 13.1290, -63.2185

Details

The RYB color **63, 96, 207** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **124, 207, 63**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **126, 151, 255**, and **0, 43, 152** is the 20% darker color. If you saturate the color by 10%, you get **42, 80, 207**, and if you desaturate by 10%, it is **84, 112, 207**.

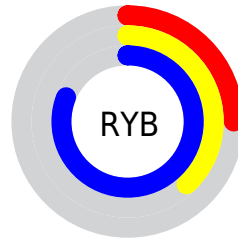
Distribution



Red (25%)

Green (42%)

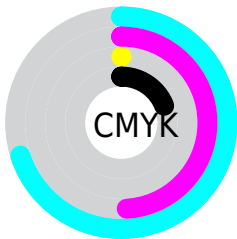
Blue (81%)



Red (25%)

Yellow (38%)

Blue (81%)

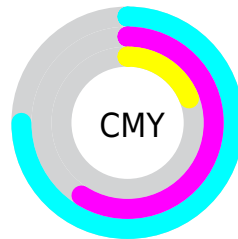


Cyan (70%)

Magenta (49%)

Yellow (0%)

Black (19%)



Cyan (75%)

Magenta (59%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the RYB color 63, 96, 207 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, 96, 207 by changing the saturation by 10% instead.

 63, 96, 207  63, 96, 207

255, 255, 255  16, 63, 179

 126, 151, 255  0, 43, 152

 156, 177, 255  0, 30, 125

 186, 204, 255  0, 17, 100

 216, 230, 255  0, 5, 75

 246, 251, 255  0, 4, 51

 0, 2, 29

 0, 0, 0

 63, 96, 207  63, 96, 207

■ 42, 80, 207

■ 84, 112, 207

■ 22, 64, 207

■ 104, 128, 207

■ 1, 48, 207

■ 125, 144, 207

■ 0, 48, 207

■ 146, 160, 207

■ 167, 176, 207

■ 187, 192, 207

■ 207, 208, 207

■ 217, 229, 207

■ 224, 249, 207

Harmonies

Analogous

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



0, 77, 210



63, 96, 207



151, 82, 178

Triad

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



63, 96, 207



183, 98, 35



0, 79, 132

Complementary

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



63, 96, 207



124, 207, 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.



36, 127, 128



63, 96, 207



71, 150, 0

Square

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



63, 96, 207



199, 58, 82



0, 118, 14



0, 69, 141

Rectangle

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



63, 96, 207



181, 66, 149



0, 118, 14



0, 85, 131

Sweetspot

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



63, 96, 207



201, 213, 255



63, 148, 207



96, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



63, 96, 207



43, 92, 255



92, 63, 207



94, 96, 105



0, 39, 168



0, 9, 41

Inverse Universe

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



207, 63, 106



255, 43, 106



63, 207, 92



105, 94, 97



168, 0, 50



41, 0, 12

Previews

White Background



This preview shows how the RYB color 63, 96, 207 looks on a white background.

Color Contrast Check

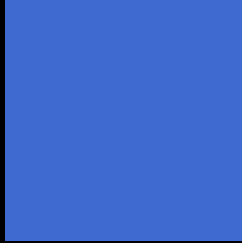
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 63, 96, 207 looks on a black 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

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

R Y B 63, 96, 207 Background



This preview shows how black text looks on a background with the R Y B color 63, 96, 207.



This preview shows how white text looks on a background with the R Y B color 63, 96, 207.

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
0, 63, 132

Trichromacy



Original Color
63, 96, 207

Protanomaly
58, 95, 208

Deuteranomaly
23, 81, 201

Tritanomaly
23, 78, 159

Monochromacy



Original Color
63, 96, 207

Achromatopsia
105, 105, 105

Achromatomaly
90, 102, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 96, 207 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, 106, 207)` looks like.

```
.text, #text, p{  
    color:rgb(63, 106, 207)  
}
```

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, 106, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 106, 207) }
```

Border

The CSS property to change the border of an element to RYB 63, 96, 207 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, 106, 207) }
```

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

```
.border{ border-color:rgb(63, 106, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 106, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 106, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 106, 207);  
box-shadow:4px 4px 4px 4px rgb(63, 106,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 63, 96, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 106, 207) }
```

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

```
.background{ background-color: rgb(63, 106,  
207) }
```

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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