

Converting Colors

`RYB(103, 122, 194)`

Have a look what the booklet for
RYB(103, 122, 194) contains.

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Color

`RYB(103, 122, 194)`

Conversions

Conversions Part 1

Format	Color
Hex	677FC2
RGB	103, 127, 194
RGB Percent	40%, 50%, 76%
CMY	0.5961, 0.5019, 0.2392
CMYK	0.47, 0.35, 0.00, 0.24
HSL	224°, 43%, 58%
HSV	224°, 47%, 76%
XYZ	22.9223, 21.9609, 54.0697
YIQ	127.4620, -35.8110, 15.7490

Conversions

Conversions Part 2

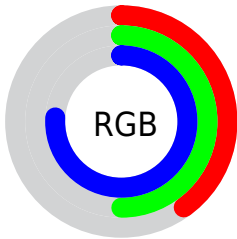
Format	Color
R_{YB}	103, 122, 194
Decimal	6782914
CIE _{Lab}	53.99, 9.56, -37.71
CIE _{LCh}	54, 38.907, 284.231
Yxy	21.9609, 0.2316, 0.2219
Android (android.graphics.Color)	4284972994 (0xFF677FC2)
YUV	127.4620, 32.8032, -21.4532
Hunter-Lab	46.8625, 5.3020, -35.6047

Details

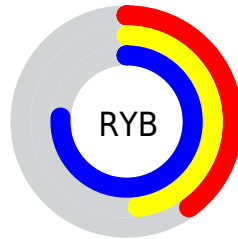
The RYB color **103, 122, 194** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **136, 194, 103**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **158, 176, 251**, and **47, 70, 140** is the 20% darker color. If you saturate the color by 10%, you get **84, 107, 194**, and if you desaturate by 10%, it is **122, 137, 194**.

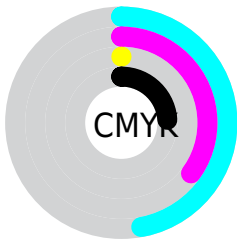
Distribution



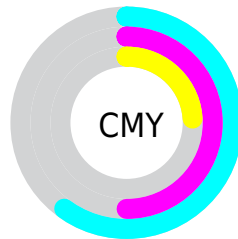
- Red (40%)
- Green (50%)
- Blue (76%)



- Red (40%)
- Yellow (48%)
- Blue (76%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)
- Black (24%)



- Cyan (60%)
- Magenta (50%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 122, 194 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 103, 122, 194 by changing the saturation by 10% instead.

■ 103, 122, 194

255, 255, 255

■ 158, 176, 251

■ 186, 202, 255

■ 215, 228, 255

■ 244, 250, 255

■ 103, 122, 194

■ 76, 96, 167

■ 47, 70, 140

■ 10, 42, 114

■ 0, 25, 89

■ 0, 11, 65

■ 0, 3, 43

■ 0, 1, 21

■ 0, 0, 0

■ 103, 122, 194

■ 103, 122, 194

■ 84, 107, 194

■ 122, 137, 194

■ 64, 91, 194

■ 142, 153, 194

■ 45, 76, 194

■ 161, 168, 194

■ 25, 61, 194

■ 181, 183, 194

■ 6, 45, 194

■ 197, 200, 194

■ 0, 40, 194

■ 202, 219, 194

■ 210, 239, 194

■ 212, 255, 194

■ 194, 255, 194

Harmonies

Analogous

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



6, 83, 193



103, 122, 194



152, 114, 177

Triad

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



103, 122, 194



186, 117, 84



45, 106, 145

Complementary

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



103, 122, 194



136, 194, 103

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.



79, 140, 123



103, 122, 194



139, 164, 64

Square

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



103, 122, 194



193, 102, 114



64, 134, 62



0, 74, 146

Rectangle

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



103, 122, 194



175, 106, 159



64, 134, 62



65, 120, 144

Sweetspot

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



103, 122, 194



217, 224, 252



103, 155, 194



106, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



103, 122, 194



111, 140, 252



124, 103, 194



87, 89, 97



0, 33, 161



0, 7, 33

Inverse Universe

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



194, 103, 127



252, 111, 148



103, 194, 124



97, 87, 90



161, 0, 42



33, 0, 9

Previews

White Background



This preview shows how the RYB color 103, 122, 194 looks on a white background.

Color Contrast Check

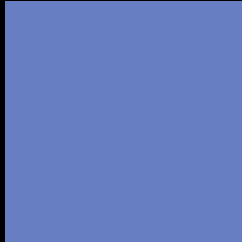
Large Text (above 18pt) WCAG AA ✓ Pass

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 103, 122, 194 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](#).

RYB 103, 122, 194 Background



This preview shows how black text looks on a background with the RYB color 103, 122, 194.

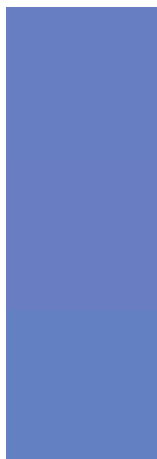


This preview shows how white text looks on a background with the RYB color 103, 122, 194.

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



Original Color


103, 122, 194

Protanopia

105, 122, 194

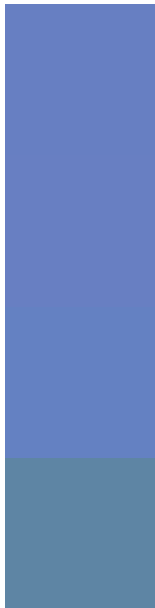
Deuteranopia

98, 121, 194



Tritanopia
89, 115, 147

Trichromacy



Original Color

103, 122, 194

Protanomaly

104, 122, 194

Deuteranomaly

100, 122, 194

Tritanomaly

94, 119, 164

Monochromacy



Original Color

103, 122, 194

Achromatopsia

127, 127, 127

Achromatomaly

118, 125, 151

CSS Examples

Text

The CSS property to change the color of the text to RGB 103, 127, 194 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(103, 127, 194)` looks like.

```
.text, #text, p{  
    color:rgb(103, 127, 194)  
}
```

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(103, 127, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 127, 194) }
```

Border

The CSS property to change the border of an element to RYB 103, 122, 194 is called "border". The border property can be set on classes, ids or directly on the HTML element.

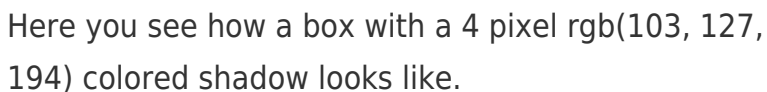
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 127, 194) }
```

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

```
.border{ border-color:rgb(103, 127, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 127, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 127, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 127, 194);  
box-shadow:4px 4px 4px 4px rgb(103, 127,  
194) }
```

Background

The CSS property to change the background color of an element to RGB 103, 127, 194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 127, 194) }
```

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

```
.background{ background-color: rgb(103,  
127, 194) }
```

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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