

Converting Colors

`RYB(98, 118, 204)`

Have a look what the booklet for
RYB(98, 118, 204) contains.

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Color

R_YB(98, 118, 204)

Conversions

Conversions Part 1

Format	Color
Hex	627BCC
RGB	98, 123, 204
RGB Percent	38%, 48%, 80%
CMY	0.6157, 0.5190, 0.2000
CMYK	0.52, 0.40, 0.00, 0.20
HSL	226°, 51%, 59%
HSV	226°, 52%, 80%
XYZ	22.9758, 21.0358, 59.9761
YIQ	124.7590, -40.9010, 19.8910

Conversions

Conversions Part 2

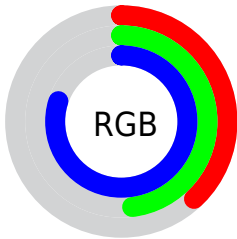
Format	Color
R_{YB}	98, 118, 204
Decimal	6454220
CIE _{Lab}	52.99, 14.10, -45.00
CIE _{LCh}	53, 47.159, 287.402
Yxy	21.0358, 0.2209, 0.2023
Android (android.graphics.Color)	4284644300 (0xFF627BCC)
YUV	124.7590, 39.0658, -23.4676
Hunter-Lab	45.8648, 9.1556, -45.4264

Details

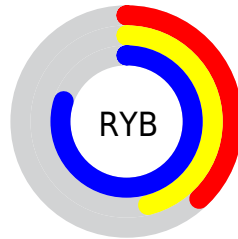
The RYB color **98, 118, 204** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **131, 204, 98**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **154, 171, 255**, and **37, 65, 149** is the 20% darker color. If you saturate the color by 10%, you get **78, 102, 204**, and if you desaturate by 10%, it is **118, 134, 204**.

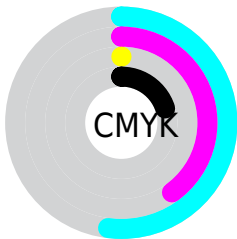
Distribution



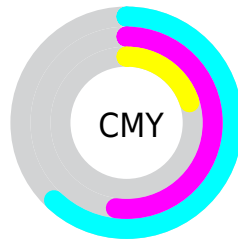
- Red (38%)
- Green (48%)
- Blue (80%)



- Red (38%)
- Yellow (46%)
- Blue (80%)



- Cyan (52%)
- Magenta (40%)
- Yellow (0%)
- Black (20%)


















- Cyan (62%)
- Magenta (52%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 98, 118, 204 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 98, 118, 204 by changing the saturation by 10% instead.

 98, 118, 204	 98, 118, 204
 255, 255, 255	 69, 92, 176
 155, 172, 255	 37, 65, 149
 183, 198, 255	 0, 37, 123
 212, 225, 255	 0, 24, 98
 242, 249, 255	 0, 7, 73
	 0, 4, 50
	 0, 2, 28
	 0, 0, 0

 98, 118, 204	 98, 118, 204
--	--

■ 78, 102, 204

■ 118, 134, 204

■ 57, 85, 204

■ 139, 151, 204

■ 37, 69, 204

■ 159, 168, 204

■ 16, 52, 204

■ 180, 184, 204

■ 0, 38, 204

■ 200, 201, 204

■ 208, 220, 204

■ 216, 241, 204

■ 212, 255, 204

■ 204, 255, 204

Harmonies

Analogous

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



0, 82, 205



98, 118, 204



159, 106, 182

Triad

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



98, 118, 204



190, 117, 68



0, 83, 145

Complementary

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



98, 118, 204



131, 204, 98

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.



69, 141, 131



98, 118, 204



116, 163, 44

Square

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



98, 118, 204



201, 91, 105



44, 132, 50



0, 74, 149

Rectangle

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



98, 118, 204



184, 96, 159



44, 132, 50



26, 101, 144

Sweetspot

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



98, 118, 204



214, 222, 255



98, 158, 204



103, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



98, 118, 204



97, 127, 255



126, 98, 204



92, 94, 102



0, 32, 166



0, 7, 38

Inverse Universe

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



204, 98, 123



255, 97, 134



98, 204, 126



102, 92, 94



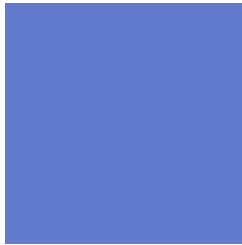
166, 0, 39



38, 0, 9

Previews

White Background



This preview shows how the RYB color 98, 118, 204 looks on a white background.

Color Contrast Check

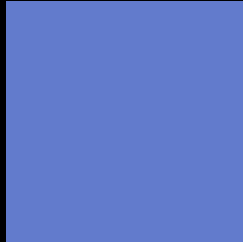
Large Text (above 18pt) WCAG AA ✓ Pass

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 98, 118, 204 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 98, 118, 204 Background



This preview shows how black text looks on a background with the RYB color 98, 118, 204.

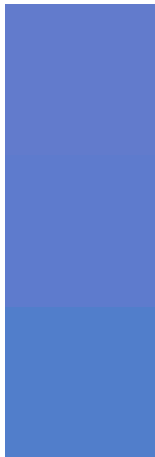


This preview shows how white text looks on a background with the RYB color 98, 118, 204.

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
98, 118, 204

Protanopia
94, 117, 205

Deuteranopia
81, 114, 203

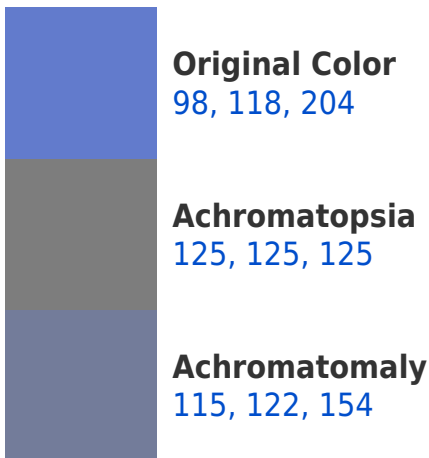


Tritanopia
79, 110, 146

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 118, 204 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(98, 123, 204)` looks like.

```
.text, #text, p{  
    color:rgb(98, 123, 204)  
}
```

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(98, 123, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 123, 204) }
```

Border

The CSS property to change the border of an element to RYB 98, 118, 204 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(98, 123, 204) }
```

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

```
.border{ border-color:rgb(98, 123, 204) }
```

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

Here you see how a box with a 4 pixel rgb(98, 123, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 123, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 123, 204);  
box-shadow:4px 4px 4px 4px rgb(98, 123,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 98, 118, 204 is called "background".

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

```
.background, #background, body{  
background: rgb(98, 123, 204) }
```

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

```
.background{ background-color: rgb(98, 123,  
204) }
```

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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