

Converting Colors

`RYB(118, 137, 203)`

Have a look what the booklet for
RYB(118, 137, 203) contains.

RYB(118, 137, 203)	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(118, 137, 203)

Conversions

Conversions Part 1

Format	Color
Hex	768ECB
RGB	118, 142, 203
RGB Percent	46%, 56%, 80%
CMY	0.5373, 0.4413, 0.2039
CMYK	0.42, 0.30, 0.00, 0.20
HSL	223°, 45%, 63%
HSV	223°, 42%, 80%
XYZ	27.9937, 27.6494, 60.3614
YIQ	141.7780, -33.8850, 13.8830

Conversions

Conversions Part 2

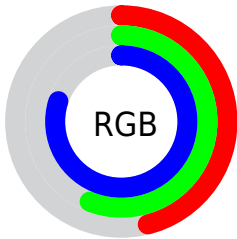
Format	Color
R _Y B	118, 137, 203
Decimal	7769803
CIE Lab	59.57, 6.93, -34.00
CIE LCh	60, 34.702, 281.523
Yxy	27.6494, 0.2413, 0.2383
Android (android.graphics.Color)	4285959883 (0xFF768ECB)
YUV	141.7780, 30.1824, -20.8533
Hunter-Lab	52.5827, 3.0092, -31.2530

Details

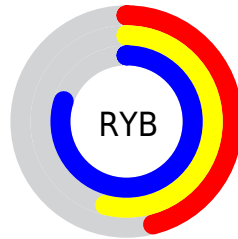
The RYB color **118, 137, 203** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **151, 203, 118**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **173, 190, 255**, and **64, 85, 149** is the 20% darker color. If you saturate the color by 10%, you get **98, 121, 203**, and if you desaturate by 10%, it is **138, 153, 203**.

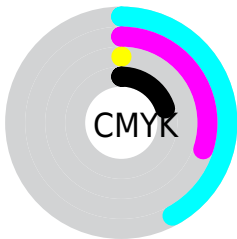
Distribution



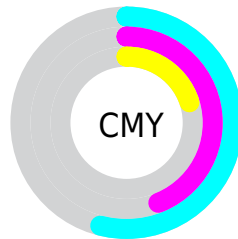
- Red (46%)
- Green (56%)
- Blue (80%)



- Red (46%)
- Yellow (54%)
- Blue (80%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)



- Cyan (54%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 137, 203 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 118, 137, 203 by changing the saturation by 10% instead.

 118, 137, 203


255, 255, 255

 173, 191, 255

 201, 217, 255


 230, 242, 255

 118, 137, 203

 91, 111, 175

 64, 86, 149

 35, 60, 123

 0, 32, 97


 0, 20, 73

 0, 0, 50

 0, 2, 28

 0, 0, 0

 118, 137, 203

 118, 137, 203

■ 98, 121, 203

■ 138, 153, 203

■ 77, 106, 203

■ 159, 168, 203

■ 57, 90, 203

■ 179, 184, 203

■ 37, 74, 203

■ 199, 200, 203

■ 17, 58, 203

■ 210, 220, 203

■ 0, 45, 203

■ 219, 240, 203

■ 217, 255, 203

■ 203, 255, 203

Harmonies

Analogous

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



62, 117, 201



118, 137, 203



162, 131, 189

Triad

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



118, 137, 203



198, 131, 104



79, 130, 158

Complementary

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



118, 137, 203



151, 203, 118

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.



97, 153, 132



118, 137, 203



170, 179, 86

Square

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



118, 137, 203



203, 120, 133



91, 152, 83



28, 95, 160

Rectangle

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



118, 137, 203



183, 125, 173



91, 152, 83



93, 142, 157

Sweetspot

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



118, 137, 203



222, 229, 255



118, 168, 203



107, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



118, 137, 203



128, 156, 255



135, 118, 203



92, 94, 102



0, 37, 166



0, 9, 38

Inverse Universe

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



203, 118, 142



255, 128, 164



118, 203, 135



102, 92, 95



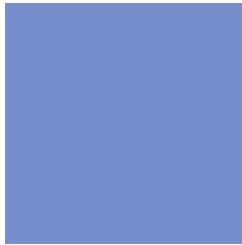
166, 0, 48



38, 0, 11

Previews

White Background



This preview shows how the RYB color 118, 137, 203 looks on a white background.

Color Contrast Check

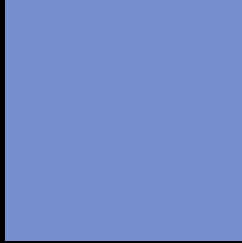
Large Text (above 18pt) WCAG AA ✓ Pass

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 118, 137, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

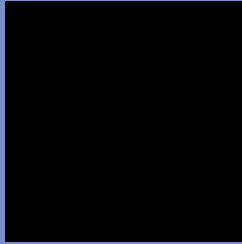
Any Text WCAG AA ✓ Pass

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 118, 137, 203 Background



This preview shows how black text looks on a background with the RYB color 118, 137, 203.

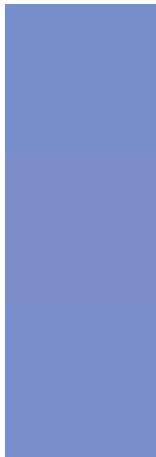


This preview shows how white text looks on a background with the RYB color 118, 137, 203.

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
118, 137, 203

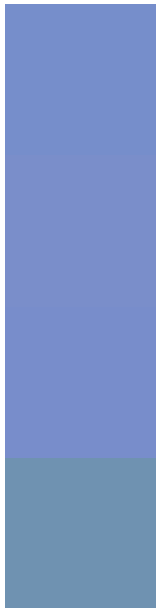
Protanopia
124, 138, 202

Deuteranopia
121, 138, 203



Tritanopia
107, 131, 162

Trichromacy



Original Color
118, 137, 203

Protanomaly
122, 138, 202

Deuteranomaly
120, 137, 203

Tritanomaly
111, 134, 177

Monochromacy



Original Color
118, 137, 203

Achromatopsia
142, 142, 142

Achromatomaly
133, 140, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 137, 203 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(118, 142, 203)` looks like.

```
.text, #text, p{  
    color:rgb(118, 142, 203)  
}
```

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(118, 142, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 142, 203) }
```

Border

The CSS property to change the border of an element to RYB 118, 137, 203 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(118, 142, 203) }
```

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

```
.border{ border-color:rgb(118, 142, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 142, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 142, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 142, 203);  
box-shadow:4px 4px 4px 4px rgb(118, 142,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 118, 137, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 142, 203) }
```

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

```
.background{ background-color: rgb(118,  
142, 203) }
```

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