

Converting Colors

`RYB(117, 130, 209)`

Have a look what the booklet for
RYB(117, 130, 209) contains.

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Color

R_YB(117, 130, 209)

Conversions

Conversions Part 1

Format	Color
Hex	7584D1
RGB	117, 132, 209
RGB Percent	46%, 52%, 82%
CMY	0.5412, 0.4818, 0.1804
CMYK	0.44, 0.37, 0.00, 0.18
HSL	230°, 50%, 64%
HSV	230°, 44%, 82%
XYZ	27.1149, 24.9257, 63.7036
YIQ	136.2930, -33.6570, 20.7670

Conversions

Conversions Part 2

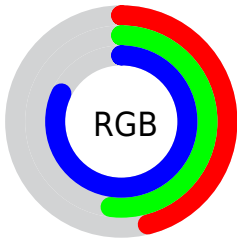
Format	Color
R _Y B	117, 130, 209
Decimal	7701713
CIE Lab	57.00, 14.48, -41.41
CIE LCh	57, 43.867, 289.276
Yxy	24.9257, 0.2343, 0.2154
Android (android.graphics.Color)	4285891793 (0xFF7584D1)
YUV	136.2930, 35.8446, -16.9200
Hunter-Lab	49.9256, 9.5746, -40.7044

Details

The RYB color **117, 130, 209** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **135, 209, 117**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **173, 183, 255**, and **62, 79, 154** is the 20% darker color. If you saturate the color by 10%, you get **96, 112, 209**, and if you desaturate by 10%, it is **138, 148, 209**.

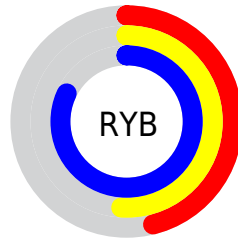
Distribution



Red (46%)

Green (52%)

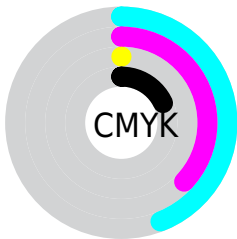
Blue (82%)



Red (46%)

Yellow (51%)

Blue (82%)

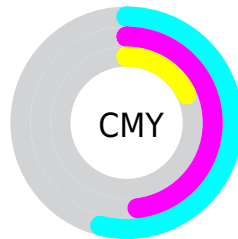


Cyan (44%)

Magenta (37%)

Yellow (0%)

Black (18%)



Cyan (54%)

Magenta (48%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 130, 209 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 117, 130, 209 by changing the saturation by 10% instead.

■ 117, 130, 209

255, 255, 255

■ 173, 183, 255

■ 201, 211, 255

■ 230, 238, 255

■ 117, 130, 209

■ 90, 104, 181

■ 62, 79, 154

■ 31, 53, 128

■ 0, 28, 102

■ 0, 15, 78

■ 0, 4, 54

■ 0, 2, 32

■ 0, 0, 4

■ 0, 0, 0

■ 117, 130, 209

■ 117, 130, 209

■ 96, 112, 209

■ 138, 148, 209

■ 75, 94, 209

■ 159, 166, 209

■ 54, 76, 209

■ 180, 184, 209

■ 33, 58, 209

■ 201, 202, 209

■ 13, 41, 209

■ 211, 221, 209

■ 0, 29, 209

■ 215, 242, 209

■ 210, 255, 209

■ 209, 255, 209

Harmonies

Analogous

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



0, 86, 212



117, 130, 209



170, 117, 187

Triad

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



117, 130, 209



197, 132, 80



0, 87, 155

Complementary

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



117, 130, 209



135, 209, 117

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.



85, 151, 145



117, 130, 209



125, 171, 60

Square

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



117, 130, 209



209, 106, 114



61, 142, 68



0, 79, 161

Rectangle

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



117, 130, 209



193, 109, 165



61, 142, 68



49, 116, 154

Sweetspot

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



117, 130, 209



222, 226, 255



117, 167, 209



107, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 130, 209



120, 139, 255



148, 117, 209



94, 96, 105



0, 24, 168



0, 6, 41

Inverse Universe

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



209, 117, 132



255, 120, 142



117, 209, 148



105, 94, 96



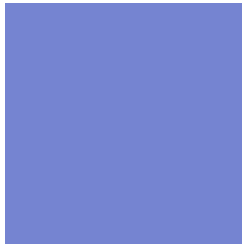
168, 0, 28



41, 0, 7

Previews

White Background



This preview shows how the RYB color 117, 130, 209 looks on a white background.

Color Contrast Check

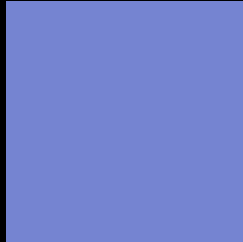
Large Text (above 18pt) WCAG AA ✓ Pass

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 117, 130, 209 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 117, 130, 209 Background



This preview shows how black text looks on a background with the RYB color 117, 130, 209.

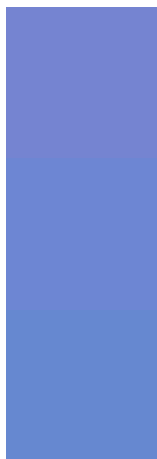


This preview shows how white text looks on a background with the RYB color 117, 130, 209.

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

117, 130, 209

Protanopia

109, 129, 211

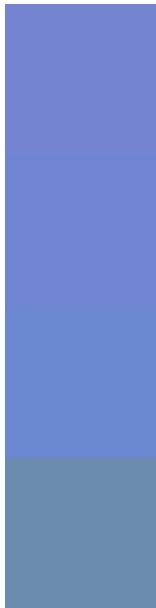
Deuteranopia

102, 128, 208



Tritanopia
102, 125, 155

Trichromacy



Original Color
117, 130, 209

Protanomaly
112, 129, 210

Deuteranomaly
107, 129, 208

Tritanomaly
107, 129, 175

Monochromacy



Original Color
117, 130, 209

Achromatopsia
136, 136, 136

Achromatomaly
129, 134, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 130, 209 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(117, 132, 209)` looks like.

```
.text, #text, p{  
    color:rgb(117, 132, 209)  
}
```

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(117, 132, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 132, 209) }
```

Border

The CSS property to change the border of an element to RYB 117, 130, 209 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(117, 132, 209) }
```

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

```
.border{ border-color:rgb(117, 132, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 132, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 132, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 132, 209);  
box-shadow:4px 4px 4px 4px rgb(117, 132,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 117, 130, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 132, 209) }
```

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

```
.background{ background-color: rgb(117,  
132, 209) }
```

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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