

Converting Colors

`RYB(118, 150, 224)`

Have a look what the booklet for
RYB(118, 150, 224) contains.

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Color

R_YB(118, 150, 224)

Conversions

Conversions Part 1

Format	Color
Hex	76A4E0
RGB	118, 164, 224
RGB Percent	46%, 64%, 88%
CMY	0.5373, 0.3575, 0.1216
CMYK	0.47, 0.27, 0.00, 0.12
HSL	214°, 63%, 67%
HSV	214°, 47%, 88%
XYZ	34.1722, 35.7263, 75.6158
YIQ	157.0860, -46.6760, 8.9080

Conversions

Conversions Part 2

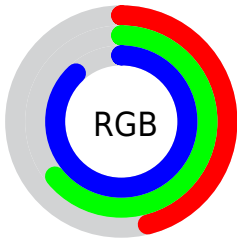
Format	Color
R _Y B	118, 150, 224
Decimal	7775456
CIE Lab	66.31, 0.75, -35.20
CIE LCh	66, 35.206, 271.219
Yxy	35.7263, 0.2348, 0.2455
Android (android.graphics.Color)	4285965536 (0xFF76A4E0)
YUV	157.0860, 32.9886, -34.2784
Hunter-Lab	59.7715, -2.5490, -33.1667

Details

The RYB color **118, 150, 224** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **199, 224, 118**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **175, 203, 255**, and **61, 96, 168** is the 20% darker color. If you saturate the color by 10%, you get **96, 134, 224**, and if you desaturate by 10%, it is **140, 166, 224**.

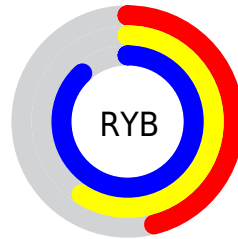
Distribution



Red (46%)

Green (64%)

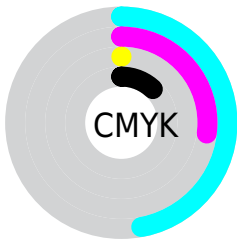
Blue (88%)



Red (46%)

Yellow (59%)

Blue (88%)

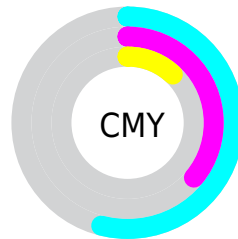


Cyan (47%)

Magenta (27%)

Yellow (0%)

Black (12%)



Cyan (54%)

Magenta (36%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 150, 224 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, 150, 224 by changing the saturation by 10% instead.


 118, 150, 224


255, 255, 255


 175, 203, 255

 203, 227, 255

 233, 244, 255

 118, 150, 224


 90, 123, 196

 61, 96, 168

 26, 66, 142

 0, 42, 116

 0, 29, 91

 0, 17, 67

 0, 3, 45

 0, 1, 23

 0, 0, 0

■ 118, 150, 224

■ 118, 150, 224

■ 96, 134, 224

■ 140, 166, 224

■ 73, 118, 224

■ 163, 181, 224

■ 51, 103, 224

■ 185, 197, 224

■ 28, 87, 224

■ 208, 213, 224

■ 6, 72, 224

■ 230, 230, 224

■ 0, 68, 224

■ 245, 252, 224

■ 226, 255, 224

■ 224, 255, 224

Harmonies

Analogous

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



64, 127, 216



118, 150, 224



167, 153, 215

Triad

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



118, 150, 224



222, 141, 130



110, 160, 175

Complementary

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



118, 150, 224



199, 224, 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.



106, 169, 127



118, 150, 224



207, 179, 107

Square

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



118, 150, 224



221, 137, 161



125, 181, 97



68, 128, 178

Rectangle

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



118, 150, 224



192, 145, 201



125, 181, 97



121, 174, 172

Sweetspot

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



118, 150, 224



219, 230, 255



118, 186, 224



106, 112, 128



0, 0, 0



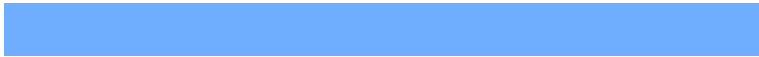
128, 128, 128

Same Dimension

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



118, 150, 224



110, 154, 255



125, 118, 224



101, 104, 112



0, 53, 176



0, 15, 48

Inverse Universe

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



224, 118, 164



255, 110, 173



118, 224, 125



112, 101, 106



176, 0, 76



48, 0, 21

Previews

White Background



This preview shows how the RYB color 118, 150, 224 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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, 150, 224 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 ✓ Pass

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

R Y B 118, 150, 224 Background



This preview shows how black text looks on a background with the R Y B color 118, 150, 224.



This preview shows how white text looks on a background with the R Y B color 118, 150, 224.

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, 150, 224

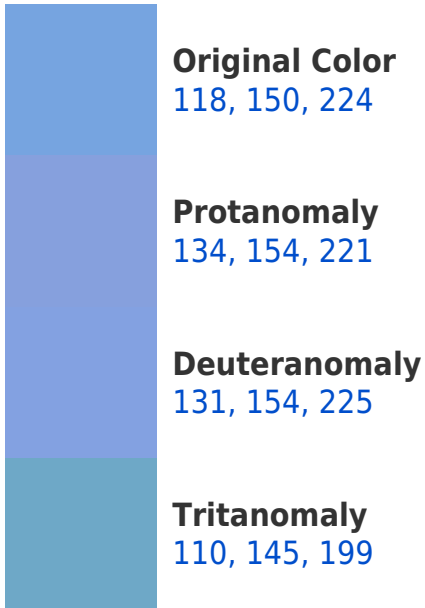
Protanopia
143, 156, 220

Deuteranopia
138, 155, 225

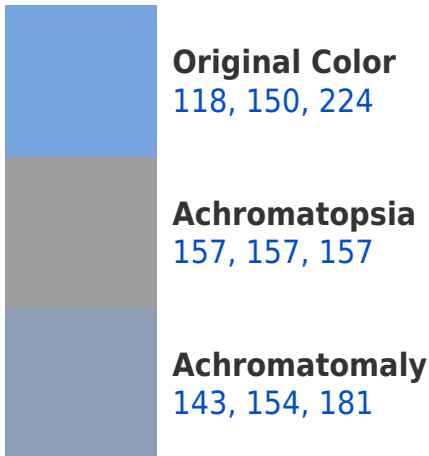


Tritanopia
106, 142, 185

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 150, 224 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, 164, 224)` looks like.

```
.text, #text, p{  
    color:rgb(118, 164, 224)  
}
```

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, 164, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 164, 224) }
```

Border

The CSS property to change the border of an element to RYB 118, 150, 224 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, 164, 224) }
```

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

```
.border{ border-color:rgb(118, 164, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 164, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 164, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 164, 224);  
box-shadow:4px 4px 4px 4px rgb(118, 164,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 118, 150, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 164, 224) }
```

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

```
.background{ background-color: rgb(118,  
164, 224) }
```

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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