

Converting Colors

`RYB(120, 151, 222)`

Have a look what the booklet for
RYB(120, 151, 222) contains.

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Color

R_YB(120, 151, 222)

Conversions

Conversions Part 1

Format	Color
Hex	78A5DE
RGB	120, 165, 222
RGB Percent	47%, 65%, 87%
CMY	0.5294, 0.3548, 0.1294
CMYK	0.46, 0.26, 0.00, 0.13
HSL	214°, 61%, 67%
HSV	214°, 46%, 87%
XYZ	34.3020, 36.0099, 74.2499
YIQ	158.0430, -45.1170, 8.1870

Conversions

Conversions Part 2

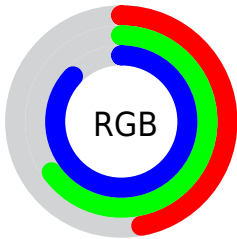
Format	Color
RYB	120, 151, 222
Decimal	7906782
CIELab	66.53, 0.26, -33.75
CIELCh	67, 33.751, 270.445
Yxy	36.0099, 0.2373, 0.2491
Android (android.graphics.Color)	4286096862 (0xFF78A5DE)
YUV	158.0430, 31.5308, -33.3637
Hunter-Lab	60.0082, -2.9800, -31.3555

Details

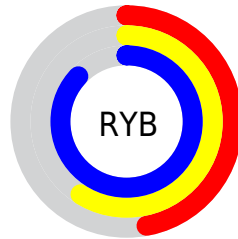
The RYB color **120, 151, 222** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **201, 222, 120**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **176, 204, 255**, and **64, 97, 167** is the 20% darker color. If you saturate the color by 10%, you get **98, 136, 222**, and if you desaturate by 10%, it is **142, 166, 222**.

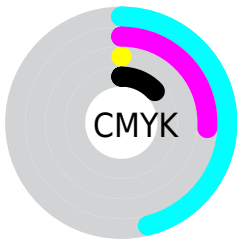
Distribution



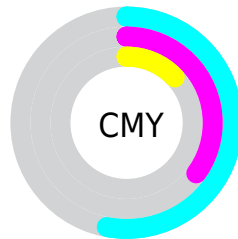
- Red (47%)
- Green (65%)
- Blue (87%)



- Red (47%)
- Yellow (59%)
- Blue (87%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)
- Black (13%)




- Cyan (53%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 151, 222 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 120, 151, 222 by changing the saturation by 10% instead.


 120, 151, 222


255, 255, 255

 176, 204, 255


 205, 228, 255

 234, 245, 255

 120, 151, 222


 92, 124, 194

 64, 97, 167

 31, 69, 140

 0, 42, 114

 0, 29, 89

 0, 18, 66

 0, 3, 43

 0, 1, 22

 0, 0, 0

■ 120, 151, 222

■ 120, 151, 222

■ 98, 136, 222

■ 142, 166, 222

■ 76, 120, 222

■ 164, 182, 222

■ 53, 104, 222

■ 187, 198, 222

■ 31, 89, 222

■ 209, 213, 222

■ 9, 74, 222

■ 229, 231, 222

■ 0, 68, 222

■ 244, 253, 222

■ 225, 255, 222

■ 222, 255, 222

Harmonies

Analogous

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



71, 131, 214



120, 151, 222



166, 154, 214

Triad

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



120, 151, 222



220, 142, 133



114, 162, 175

Complementary

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



120, 151, 222



201, 222, 120

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.



109, 169, 128



120, 151, 222



207, 178, 110

Square

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



120, 151, 222



219, 139, 162



131, 182, 101



76, 132, 178

Rectangle

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



120, 151, 222



191, 147, 201



131, 182, 101



122, 174, 170

Sweetspot

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



120, 151, 222



219, 230, 255



120, 186, 222



106, 112, 128



0, 0, 0



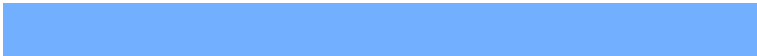
128, 128, 128

Same Dimension

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



120, 151, 222



115, 157, 255



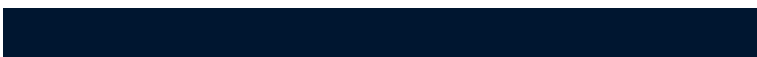
125, 120, 222



101, 104, 112



0, 54, 176



0, 15, 48

Inverse Universe

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



222, 120, 165



255, 115, 176



120, 222, 125



112, 101, 106



176, 0, 77



48, 0, 21

Previews

White Background



This preview shows how the RYB color 120, 151, 222 looks on a white background.

Color Contrast Check

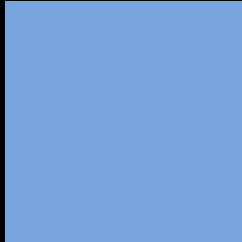
Large Text (above 18pt) WCAG AA × Fail

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 120, 151, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

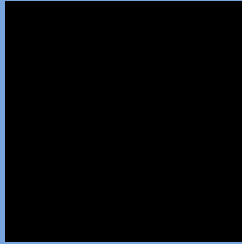
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

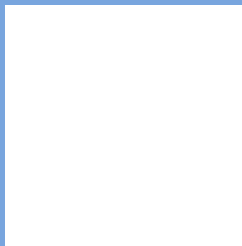
Any Text WCAG AAA ✓ Pass

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

RYB 120, 151, 222 Background



This preview shows how black text looks on a background with the RYB color 120, 151, 222.

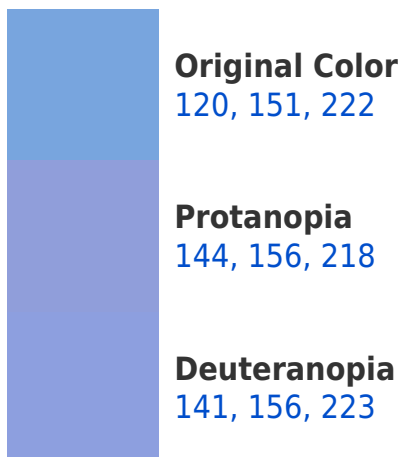



This preview shows how white text looks on a background with the RYB color 120, 151, 222.

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](#).

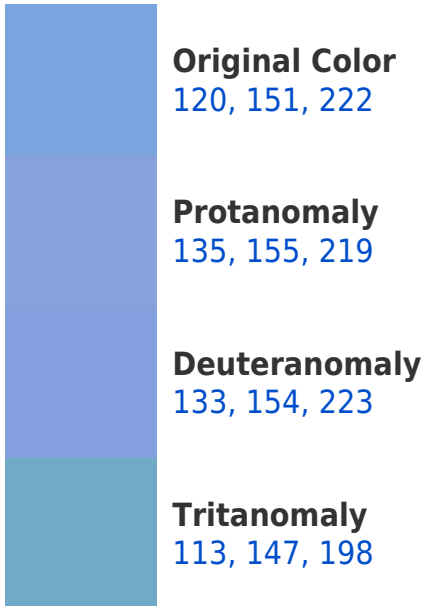
Dichromacy



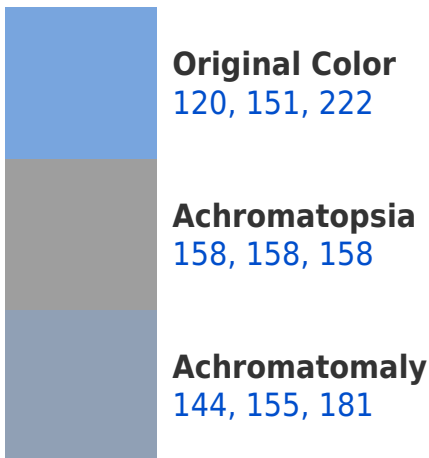


Tritanopia
109, 143, 185

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 151, 222 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(120, 165, 222)` looks like.

```
.text, #text, p{  
    color:rgb(120, 165, 222)  
}
```

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(120, 165, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 165, 222) }
```

Border

The CSS property to change the border of an element to RYB 120, 151, 222 is called "border". The border property can be set on classes, ids or directly on the HTML element.

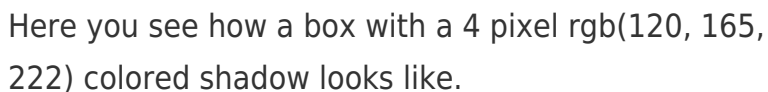
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 165, 222) }
```

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

```
.border{ border-color:rgb(120, 165, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(120, 165, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 165, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 165, 222); box-shadow:4px 4px 4px 4px rgb(120, 165, 222) }
```

Background

The CSS property to change the background color of an element to RYB 120, 151, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 165, 222) }
```

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

```
.background{ background-color: rgb(120,  
165, 222) }
```

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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