

Converting Colors

`RYB(120, 147, 205)`

Have a look what the booklet for
RYB(120, 147, 205) contains.

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Color

$\text{RYB}(120, 147, 205)$

Conversions

Conversions Part 1

Format	Color
Hex	78A0CD
RGB	120, 160, 205
RGB Percent	47%, 63%, 80%
CMY	0.5294, 0.3742, 0.1961
CMYK	0.41, 0.22, 0.00, 0.20
HSL	212°, 46%, 64%
HSV	212°, 41%, 80%
XYZ	31.2614, 33.3933, 62.5555
YIQ	153.1700, -38.2850, 5.5150

Conversions

Conversions Part 2

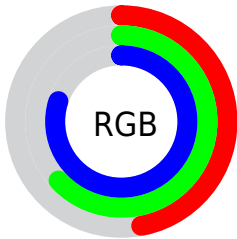
Format	Color
R _{YB}	120, 147, 205
Decimal	7905485
CIE _{Lab}	64.48, -1.75, -27.51
CIE _{LCh}	64, 27.564, 266.360
Yxy	33.3933, 0.2457, 0.2625
Android (android.graphics.Color)	4286095565 (0xFF78A0CD)
YUV	153.1700, 25.5522, -29.0901
Hunter-Lab	57.7869, -4.5627, -23.7318

Details

The RYB color **120, 147, 205** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **196, 205, 120**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **175, 202, 255**, and **66, 95, 151** is the 20% darker color. If you saturate the color by 10%, you get **100, 133, 205**, and if you desaturate by 10%, it is **140, 161, 205**.

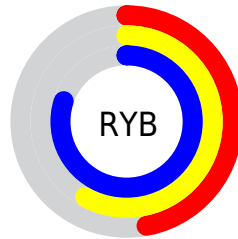
Distribution



Red (47%)

Green (63%)

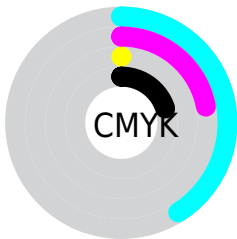
Blue (80%)



Red (47%)

Yellow (58%)

Blue (80%)

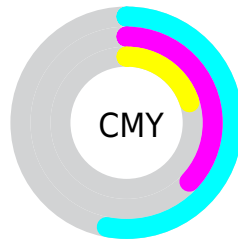


Cyan (41%)

Magenta (22%)

Yellow (0%)

Black (20%)



Cyan (53%)


Magenta (37%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 147, 205 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, 147, 205 by changing the saturation by 10% instead.


 120, 147, 205


255, 255, 255

 175, 201, 255

 204, 226, 255


 232, 244, 255

 120, 147, 205


 93, 120, 177

 66, 94, 151

 38, 68, 125

 0, 38, 99

 0, 26, 75

 0, 14, 52

 0, 2, 31

 0, 0, 2

 0, 0, 0

■ 120, 147, 205

■ 120, 147, 205

■ 100, 133, 205

■ 140, 161, 205

■ 79, 119, 205

■ 161, 175, 205

■ 58, 105, 205

■ 181, 189, 205

■ 38, 91, 205

■ 202, 203, 205

■ 17, 77, 205

■ 220, 222, 205

■ 0, 65, 205

■ 239, 243, 205

■ 236, 255, 205

■ 215, 255, 205

■ 205, 255, 205

Harmonies

Analogous

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



88, 133, 197



120, 147, 205



156, 151, 200

Triad

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



120, 147, 205



205, 139, 136



123, 163, 167

Complementary

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



120, 147, 205



196, 205, 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.



112, 161, 122



120, 147, 205



196, 161, 116

Square

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



120, 147, 205



202, 138, 160



141, 177, 107



95, 138, 170

Rectangle

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



120, 147, 205



176, 145, 190



141, 177, 107



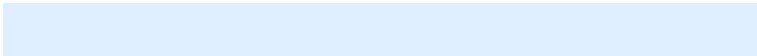
122, 165, 155

Sweetspot

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



120, 147, 205



224, 234, 255



120, 176, 205



110, 116, 128



0, 0, 0



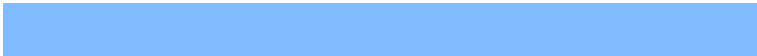
128, 128, 128

Same Dimension

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



120, 147, 205



128, 168, 255



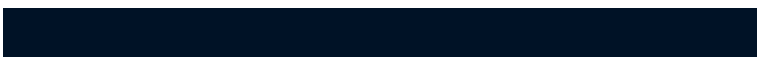
123, 120, 205



92, 95, 102



0, 53, 166



0, 12, 38

Inverse Universe

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



205, 120, 160



255, 128, 187



120, 205, 123



102, 92, 97



166, 0, 77



38, 0, 18

Previews

White Background



This preview shows how the RYB color 120, 147, 205 looks on a white background.

Color Contrast Check

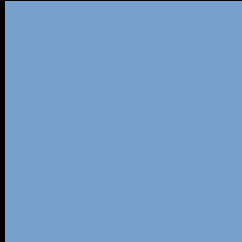
Large Text (above 18pt) WCAG AA × Fail

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, 147, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

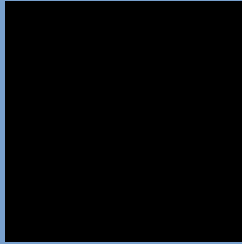
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

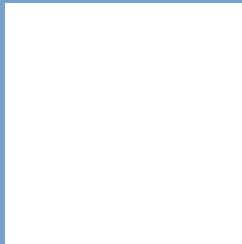
Any Text WCAG AAA ✓ Pass

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

RYB 120, 147, 205 Background



This preview shows how black text looks on a background with the RYB color 120, 147, 205.

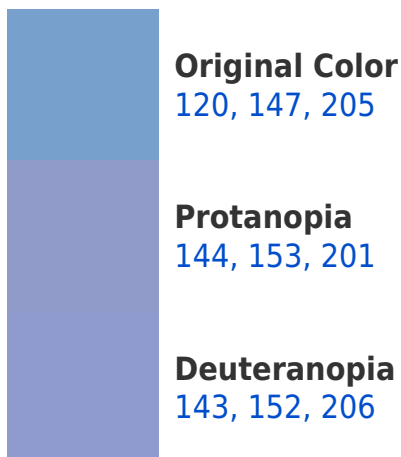


This preview shows how white text looks on a background with the RYB color 120, 147, 205.

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](#).

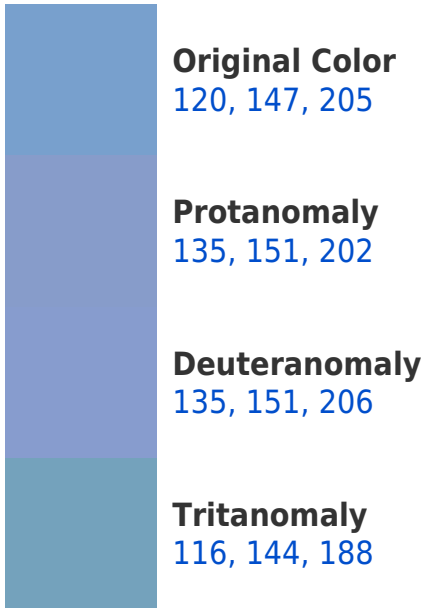
Dichromacy



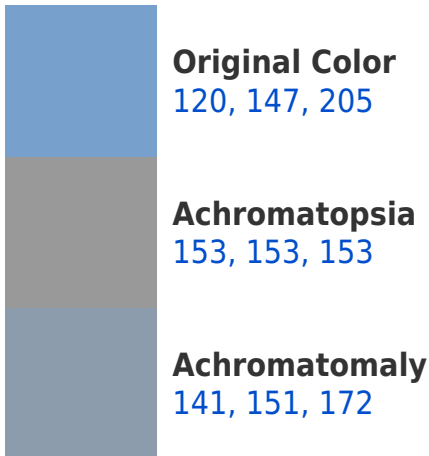


Tritanopia
113, 142, 178

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 147, 205 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, 160, 205)` looks like.

```
.text, #text, p{  
    color:rgb(120, 160, 205)  
}
```

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, 160, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 160, 205) }
```

Border

The CSS property to change the border of an element to RYB 120, 147, 205 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, 160, 205) }
```

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

```
.border{ border-color:rgb(120, 160, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 160, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 160, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 160, 205);  
box-shadow:4px 4px 4px 4px rgb(120, 160,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 120, 147, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 160, 205) }
```

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

```
.background{ background-color: rgb(120,  
160, 205) }
```

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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