

Converting Colors

`RYB(120, 101, 205)`

Have a look what the booklet for
RYB(120, 101, 205) contains.

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Color

R_YB(120, 101, 205)

Conversions

Conversions Part 1

Format	Color
Hex	7865CD
RGB	120, 101, 205
RGB Percent	47%, 40%, 80%
CMY	0.5294, 0.6039, 0.1961
CMYK	0.41, 0.51, 0.00, 0.20
HSL	251°, 51%, 60%
HSV	251°, 51%, 80%
XYZ	23.4189, 17.7082, 59.9413
YIQ	118.5370, -22.0600, 36.3720

Conversions

Conversions Part 2

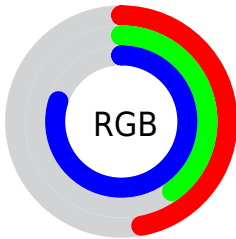
Format	Color
R_{YB}	120, 101, 205
Decimal	7890381
CIE _{Lab}	49.14, 32.68, -51.60
CIE _{LCh}	49, 61.082, 302.346
Yxy	17.7082, 0.2317, 0.1752
Android (android.graphics.Color)	4286080461 (0xFF7865CD)
YUV	118.5370, 42.6263, 1.2831
Hunter-Lab	42.0811, 25.6963, -54.9973

Details

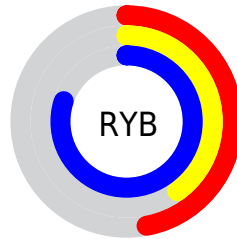
The RYB color **120, 101, 205** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **101, 205, 120**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **176, 152, 255**, and **64, 54, 150** is the 20% darker color. If you saturate the color by 10%, you get **103, 81, 205**, and if you desaturate by 10%, it is **137, 122, 205**.

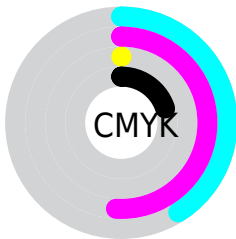
Distribution



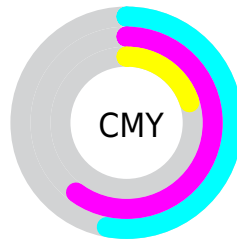
- Red (47%)
- Green (40%)
- Blue (80%)



- Red (47%)
- Yellow (40%)
- Blue (80%)



- Cyan (41%)
- Magenta (51%)
- Yellow (0%)
- Black (20%)





- Cyan (53%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 101, 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, 101, 205 by changing the saturation by 10% instead.

 120, 101, 205

 120, 101, 205

255, 255, 255

 92, 77, 177


 176, 152, 255

 64, 54, 150

 205, 179, 255

 33, 32, 124

 234, 207, 255

 0, 10, 98

 255, 235, 255


 0, 0, 74

 0, 4, 50

 0, 2, 28

 0, 0, 0


 120, 101, 205


 120, 101, 205


 103, 81, 205

 137, 122, 205

 86, 60, 205

 154, 142, 205

 70, 39, 205

 170, 163, 205

 53, 19, 205

 187, 183, 205

 37, 0, 205

 204, 204, 205

 205, 224, 208

 205, 245, 213

 205, 255, 206

 205, 255, 205

Harmonies

Analogous

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



0, 79, 221



120, 101, 205



181, 75, 166

Triad

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



120, 101, 205



177, 173, 15



0, 76, 140

Complementary

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



120, 101, 205



101, 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.



0, 92, 137



120, 101, 205



25, 137, 0

Square

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



120, 101, 205



203, 72, 65



8, 129, 53



0, 77, 171

Rectangle

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



120, 101, 205



202, 63, 132



8, 129, 53



0, 81, 139

Sweetspot

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



120, 101, 205



224, 217, 255



101, 148, 205



109, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 101, 205



128, 99, 255



170, 101, 205



94, 92, 102



30, 0, 166



7, 0, 38

Inverse Universe

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



205, 101, 186



255, 99, 227



101, 205, 170



102, 92, 100



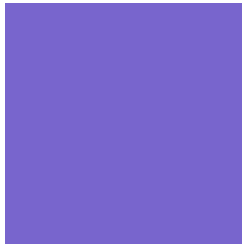
166, 0, 135



38, 0, 31

Previews

White Background



This preview shows how the RYB color 120, 101, 205 looks on a white 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

Black Background



This preview shows how the RYB color 120, 101, 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 × Fail

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

RYB 120, 101, 205 Background



This preview shows how black text looks on a background with the RYB color 120, 101, 205.

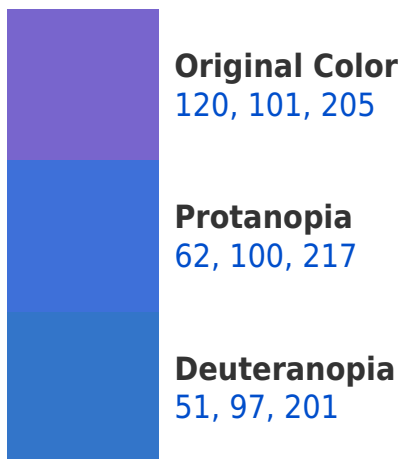


This preview shows how white text looks on a background with the RYB color 120, 101, 205.

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
102, 112, 129

Trichromacy



Original Color
120, 101, 205

Protanomaly
83, 105, 213

Deuteranomaly
76, 104, 202

Tritanomaly
109, 112, 157

Monochromacy



Original Color
120, 101, 205

Achromatopsia
119, 119, 119

Achromatomaly
119, 112, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 101, 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, 101, 205)` looks like.

```
.text, #text, p{  
    color:rgb(120, 101, 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, 101, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 101, 205) }
```

Border

The CSS property to change the border of an element to RYB 120, 101, 205 is called "border". The border property can be set on classes, ids or directly on the HTML element.

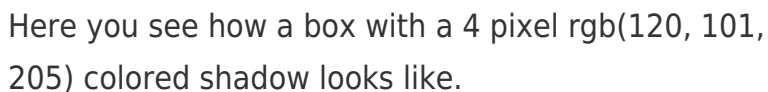
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 101, 205) }
```

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

```
.border{ border-color:rgb(120, 101, 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, 101, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 101, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 101, 205);  
box-shadow:4px 4px 4px 4px rgb(120, 101,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 120, 101, 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, 101, 205) }
```

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

```
.background{ background-color: rgb(120,  
101, 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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