

Converting Colors

`RYB(125, 125, 205)`

Have a look what the booklet for
RYB(125, 125, 205) contains.

RYB(125, 125, 205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(125, 125, 205)`

Conversions

Conversions Part 1

Format	Color
Hex	7D7DCD
RGB	125, 125, 205
RGB Percent	49%, 49%, 80%
CMY	0.5098, 0.5098, 0.1961
CMYK	0.39, 0.39, 0.00, 0.20
HSL	240°, 44%, 65%
HSV	240°, 39%, 80%
XYZ	26.8105, 23.4350, 60.8679
YIQ	134.1200, -25.6800, 24.8800

Conversions

Conversions Part 2

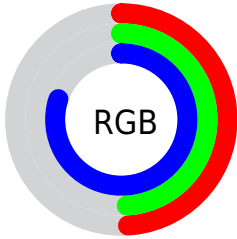
Format	Color
R _{YB}	125, 125, 205
Decimal	8224205
CIE Lab	55.52, 19.65, -41.45
CIE LCh	56, 45.870, 295.362
Yxy	23.4350, 0.2413, 0.2109
Android (android.graphics.Color)	4286414285 (0xFF7D7DCD)
YUV	134.1200, 34.9438, -7.9982
Hunter-Lab	48.4097, 14.1408, -40.6615

Details

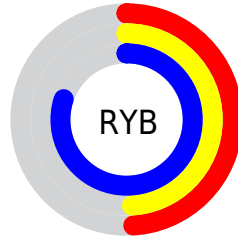
The RYB color **125, 125, 205** is a dark color, and the websafe version is hex **9999FF**. A complement of this color would be **125, 205, 125**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **180, 178, 255**, and **71, 76, 150** is the 20% darker color. If you saturate the color by 10%, you get **105, 105, 205**, and if you desaturate by 10%, it is **146, 146, 205**.

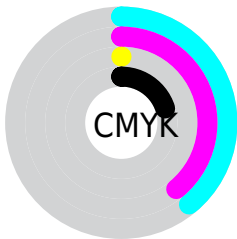
Distribution



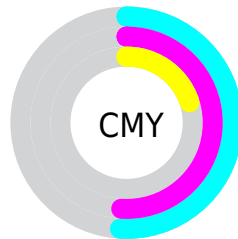
- Red (49%)
- Green (49%)
- Blue (80%)



- Red (49%)
- Yellow (49%)
- Blue (80%)



- Cyan (39%)
- Magenta (39%)
- Yellow (0%)
- Black (20%)



- Cyan (51%)
- Magenta (51%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the RYB color 125, 125, 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 125, 125, 205 by changing the saturation by 10% instead.


 125, 125, 205


255, 255, 255

 180, 178, 255

 209, 205, 255

 238, 233, 255


 125, 125, 205

 98, 100, 177

 71, 76, 150

 43, 53, 124

 7, 27, 99


 0, 10, 74

 0, 4, 51

 0, 2, 29

 0, 0, 0

 125, 125, 205

 125, 125, 205

 105, 105, 205

 146, 146, 205

 84, 84, 205

 166, 166, 205

 63, 63, 205

 187, 187, 205

 43, 43, 205

 205, 207, 205

 22, 22, 205

 205, 227, 205

 2, 2, 205

 205, 248, 205

 0, 0, 205

 205, 255, 205

Harmonies

Analogous

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



22, 94, 212



125, 125, 205



176, 109, 179

Triad

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



125, 125, 205



191, 141, 68



0, 83, 152

Complementary

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



125, 125, 205



125, 205, 125

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.



72, 137, 149



125, 125, 205



95, 161, 50

Square

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



125, 125, 205



206, 101, 101



57, 141, 76



0, 79, 166

Rectangle

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



125, 125, 205



196, 101, 154



57, 141, 76



0, 88, 152

Sweetspot

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



125, 125, 205



224, 224, 255



125, 165, 205



110, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



125, 125, 205



135, 135, 255



165, 125, 205



92, 92, 102



0, 0, 166



0, 0, 38

Inverse Universe

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



205, 125, 205



255, 135, 255



125, 205, 165



102, 92, 102



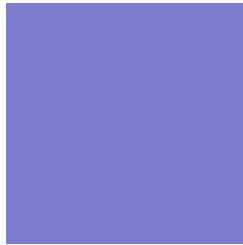
166, 0, 166



38, 0, 38

Previews

White Background



This preview shows how the RYB color 125, 125, 205 looks on a white background.

Color Contrast Check

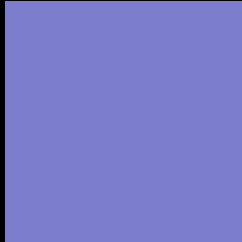
Large Text (above 18pt) WCAG AA ✓ Pass

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 125, 125, 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 125, 125, 205 Background



This preview shows how black text looks on a background with the RYB color 125, 125, 205.



This preview shows how white text looks on a background with the RYB color 125, 125, 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



Original Color
125, 125, 205

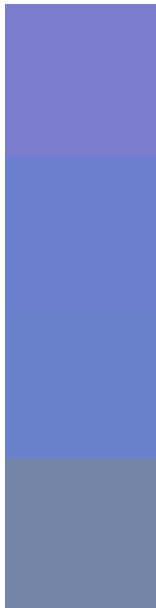
Protanopia
103, 125, 210

Deuteranopia
98, 124, 203



Tritanopia
111, 126, 148

Trichromacy



Original Color
125, 125, 205

Protanomaly
111, 125, 208

Deuteranomaly
108, 125, 204

Tritanomaly
116, 129, 169

Monochromacy



Original Color
125, 125, 205

Achromatopsia
134, 134, 134

Achromatomaly
131, 131, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 125, 125, 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(125, 125, 205)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 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(125, 125, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 205) }
```

Border

The CSS property to change the border of an element to RYB 125, 125, 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(125, 125, 205) }
```

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

```
.border{ border-color:rgb(125, 125, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 125, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 125, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 125, 205); box-shadow:4px 4px 4px 4px rgb(125, 125, 205) }
```

Background

The CSS property to change the background color of an element to RYB 125, 125, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 205) }
```

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

```
.background{ background-color: rgb(125,  
125, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor