

Converting Colors

`RYB(123, 124, 237)`

Have a look what the booklet for
RYB(123, 124, 237) contains.

RYB(123, 124, 237)	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

R_YB(123, 124, 237)

Conversions

Conversions Part 1

Format	Color
Hex	7B7CED
RGB	123, 124, 237
RGB Percent	48%, 49%, 93%
CMY	0.5176, 0.5137, 0.0706
CMYK	0.48, 0.48, 0.00, 0.07
HSL	239°, 76%, 71%
HSV	239°, 48%, 93%
XYZ	30.6632, 24.7429, 83.2805
YIQ	136.5830, -36.8690, 34.9310

Conversions

Conversions Part 2

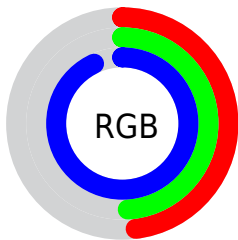
Format	Color
RYB	123, 124, 237
Decimal	8092909
CIELab	56.82, 29.03, -57.35
CIELCh	57, 64.273, 296.847
Yxy	24.7429, 0.2211, 0.1784
Android (android.graphics.Color)	4286282989 (0xFF7B7CED)
YUV	136.5830, 49.5056, -11.9123
Hunter-Lab	49.7422, 22.9860, -64.4462

Details

The RYB color **123, 124, 237** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **124, 237, 123**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **181, 177, 255**, and **63, 74, 180** is the 20% darker color. If you saturate the color by 10%, you get **99, 101, 237**, and if you desaturate by 10%, it is **147, 147, 237**.

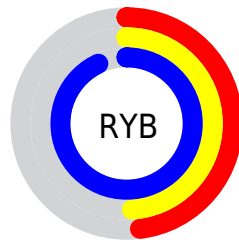
Distribution



Red (48%)

Green (49%)

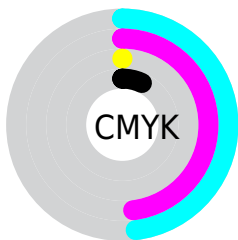
Blue (93%)



Red (48%)

Yellow (49%)

Blue (93%)

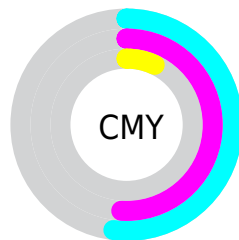


Cyan (48%)

Magenta (48%)

Yellow (0%)

Black (7%)



Cyan (52%)

Magenta (51%)

Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the RYB color 123, 124, 237 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 123, 124, 237 by changing the saturation by 10% instead.

 123, 124, 237

255, 255, 255

 181, 177, 255

 210, 204, 255

 240, 232, 255


 123, 124, 237

 94, 99, 208

 63, 74, 180

 25, 48, 153

 0, 26, 126

 0, 12, 101

 0, 0, 76

 0, 4, 52

 0, 2, 30

 0, 0, 0


 123, 124, 237

 123, 124, 237

 99, 101, 237

 147, 147, 237

 76, 77, 237

 170, 171, 237

 52, 54, 237

 194, 194, 237

 28, 30, 237

 218, 218, 237

 4, 7, 237

 238, 242, 237

 0, 2, 237

 237, 255, 237

Harmonies

Analogous

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



0, 92, 249



123, 124, 237



198, 98, 198

Triad

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



123, 124, 237



210, 158, 39



0, 90, 162

Complementary

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



123, 124, 237



124, 237, 123

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.



10, 114, 157



123, 124, 237



46, 168, 0

Square

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



123, 124, 237



234, 86, 89



15, 148, 49



0, 87, 186

Rectangle

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



123, 124, 237



224, 83, 163



15, 148, 49



0, 96, 161

Sweetspot

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



123, 124, 237



219, 220, 255



123, 181, 237



106, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 124, 237



107, 108, 255



178, 123, 237



106, 106, 117



0, 2, 181



0, 0, 54

Inverse Universe

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



237, 123, 124



255, 107, 108



123, 237, 178



117, 106, 106



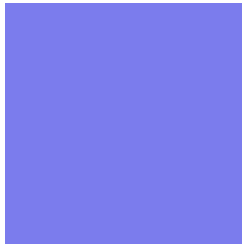
181, 0, 2



54, 0, 0

Previews

White Background



This preview shows how the RYB color 123, 124, 237 looks on a white background.

Color Contrast Check

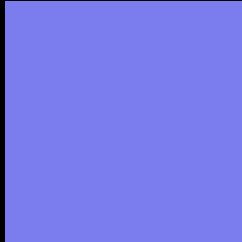
Large Text (above 18pt) WCAG AA ✓ Pass

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 123, 124, 237 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 123, 124, 237 Background



This preview shows how black text looks on a background with the RYB color 123, 124, 237.

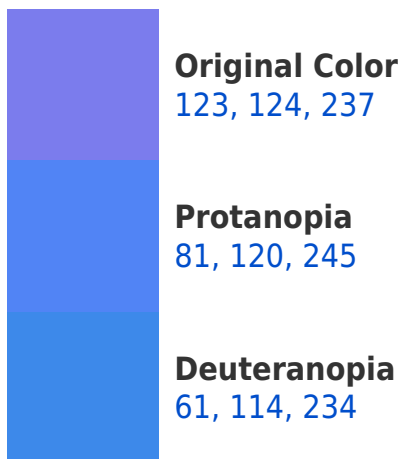


This preview shows how white text looks on a background with the RYB color 123, 124, 237.

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
99, 124, 155

Trichromacy



Original Color
123, 124, 237

Protanomaly
96, 123, 242

Deuteranomaly
84, 120, 235

Tritanomaly
108, 129, 185

Monochromacy



Original Color
123, 124, 237

Achromatopsia
137, 137, 137

Achromatomaly
132, 132, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 124, 237 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(123, 124, 237)` looks like.

```
.text, #text, p{  
    color:rgb(123, 124, 237)  
}
```

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(123, 124, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 124, 237) }
```

Border

The CSS property to change the border of an element to RYB 123, 124, 237 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(123, 124, 237) }
```

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

```
.border{ border-color:rgb(123, 124, 237) }
```

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

Here you see how a box with a 4 pixel rgb(123, 124, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 124, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 124, 237);  
box-shadow:4px 4px 4px 4px rgb(123, 124,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 123, 124, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 124, 237) }
```

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

```
.background{ background-color: rgb(123,  
124, 237) }
```

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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