

Converting Colors

`RYB(127, 122, 250)`

Have a look what the booklet for
RYB(127, 122, 250) contains.

RYB(127, 122, 250)	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(127, 122, 250)

Conversions

Conversions Part 1

Format	Color
Hex	7F7AFA
RGB	127, 122, 250
RGB Percent	50%, 48%, 98%
CMY	0.5020, 0.5216, 0.0196
CMYK	0.49, 0.51, 0.00, 0.02
HSL	242°, 93%, 73%
HSV	242°, 51%, 98%
XYZ	32.9672, 25.3332, 93.5947
YIQ	138.0870, -38.1080, 40.8680

Conversions

Conversions Part 2

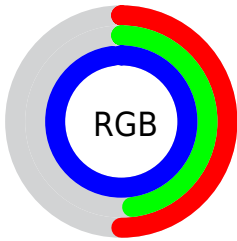
Format	Color
RYB	127, 122, 250
Decimal	8354554
CIELab	57.40, 34.93, -63.61
CIELCh	57, 72.574, 298.772
Yxy	25.3332, 0.2170, 0.1668
Android (android.graphics.Color)	4286544634 (0xFF7F7AFA)
YUV	138.0870, 55.1731, -9.7233
Hunter-Lab	50.3321, 28.8353, -75.0198

Details

The RYB color **127, 122, 250** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **122, 250, 127**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **186, 175, 255**, and **65, 73, 193** is the 20% darker color. If you saturate the color by 10%, you get **103, 97, 250**, and if you desaturate by 10%, it is **151, 147, 250**.

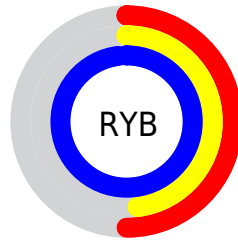
Distribution



Red (50%)

Green (48%)

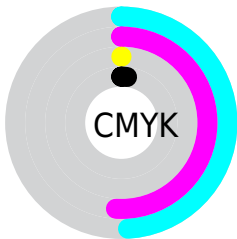
Blue (98%)



Red (50%)

Yellow (48%)

Blue (98%)

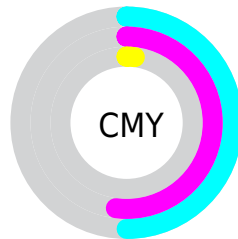


Cyan (49%)

Magenta (51%)

Yellow (0%)

Black (2%)



Cyan (50%)

Magenta (52%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 122, 250 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 127, 122, 250 by changing the saturation by 10% instead.

 127, 122, 250

255, 255, 255

 186, 175, 255

 216, 202, 255

 246, 230, 255

 127, 122, 250

 97, 97, 221

 65, 73, 193

 24, 47, 165

 0, 25, 138


 0, 10, 112

 0, 0, 86


 0, 5, 62


 0, 3, 39

 0, 1, 17

 127, 122, 250

 127, 122, 250

 103, 97, 250


 151, 147, 250

 79, 72, 250

 175, 172, 250

 55, 47, 250

 199, 197, 250

 31, 22, 250

 223, 222, 250

 10, 0, 250

 247, 247, 250

 250, 255, 250

Harmonies

Analogous

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



0, 93, 255



127, 122, 250



210, 89, 205

Triad

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



127, 122, 250



216, 185, 17



0, 92, 166

Complementary

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



127, 122, 250



122, 250, 127

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, 114, 161



127, 122, 250



43, 168, 0

Square

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



127, 122, 250



245, 78, 81



0, 152, 46



0, 90, 197

Rectangle

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



127, 122, 250



238, 70, 164



0, 152, 46



0, 99, 165

Sweetspot

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



127, 122, 250



218, 217, 255



122, 185, 250



105, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



127, 122, 250



106, 99, 255



190, 122, 250



113, 112, 125



7, 0, 189



2, 0, 61

Inverse Universe

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



250, 122, 245



255, 99, 249



122, 250, 190



125, 112, 124



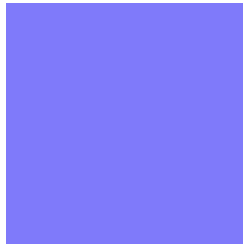
189, 0, 181



61, 0, 59

Previews

White Background



This preview shows how the RYB color 127, 122, 250 looks on a white background.

Color Contrast Check

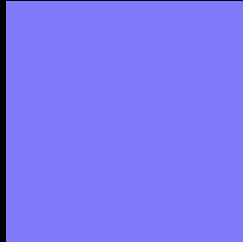
Large Text (above 18pt) WCAG AA ✓ Pass

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 127, 122, 250 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 127, 122, 250 Background



This preview shows how black text looks on a background with the RYB color 127, 122, 250.

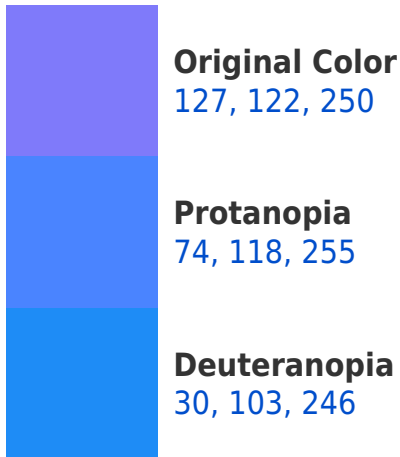


This preview shows how white text looks on a background with the RYB color 127, 122, 250.

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, 125, 157

Trichromacy



Original Color
127, 122, 250

Protanomaly
93, 122, 253

Deuteranomaly
65, 115, 247

Tritanomaly
109, 130, 191

Monochromacy



Original Color
127, 122, 250

Achromatopsia
138, 138, 138

Achromatomaly
134, 132, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 122, 250 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(127, 122, 250)` looks like.

```
.text, #text, p{  
    color:rgb(127, 122, 250)  
}
```

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(127, 122, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 122, 250) }
```

Border

The CSS property to change the border of an element to RYB 127, 122, 250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

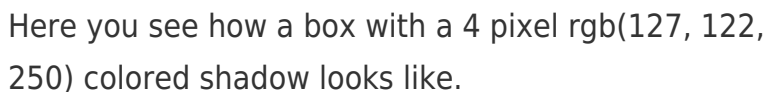
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 122, 250) }
```

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

```
.border{ border-color:rgb(127, 122, 250) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 122, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 122, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 122, 250); box-shadow:4px 4px 4px 4px rgb(127, 122, 250) }
```

Background

The CSS property to change the background color of an element to RYB 127, 122, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 122, 250) }
```

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

```
.background{ background-color: rgb(127,  
122, 250) }
```

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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