

Converting Colors

`RYB(122, 122, 239)`

Have a look what the booklet for
RYB(122, 122, 239) contains.

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Color

R_YB(122, 122, 239)

Conversions

Conversions Part 1

Format	Color
Hex	7A7AEF
RGB	122, 122, 239
RGB Percent	48%, 48%, 94%
CMY	0.5216, 0.5216, 0.0627
CMYK	0.49, 0.49, 0.00, 0.06
HSL	240°, 79%, 71%
HSV	240°, 49%, 94%
XYZ	30.5656, 24.2886, 84.7386
YIQ	135.3380, -37.5570, 36.3870

Conversions

Conversions Part 2

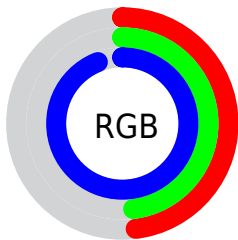
Format	Color
R_{YB}	122, 122, 239
Decimal	8026863
CIE _{Lab}	56.38, 30.59, -59.18
CIE _{LCh}	56, 66.621, 297.338
Yxy	24.2886, 0.2190, 0.1740
Android (android.graphics.Color)	4286216943 (0xFF7A7AEF)
YUV	135.3380, 51.1054, -11.6974
Hunter-Lab	49.2835, 24.4593, -67.4454

Details

The RYB color **122, 122, 239** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **122, 239, 122**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **180, 174, 255**, and **61, 72, 182** is the 20% darker color. If you saturate the color by 10%, you get **98, 98, 239**, and if you desaturate by 10%, it is **146, 146, 239**.

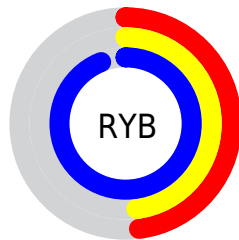
Distribution



Red (48%)

Green (48%)

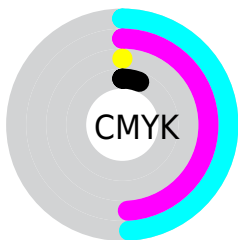
Blue (94%)



Red (48%)

Yellow (48%)

Blue (94%)

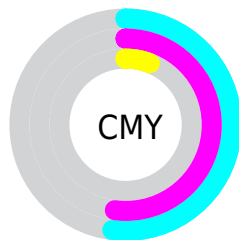


Cyan (49%)

Magenta (49%)

Yellow (0%)

Black (6%)



Cyan (52%)


Magenta (52%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 122, 239 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 122, 122, 239 by changing the saturation by 10% instead.


 122, 122, 239

255, 255, 255

 180, 174, 255

 210, 202, 255

 240, 230, 255

 122, 122, 239

 92, 97, 210

 61, 72, 182

 20, 45, 155

 0, 24, 128


 0, 10, 102

 0, 0, 78

 0, 5, 54


 0, 2, 31

 0, 0, 3


 122, 122, 239

 122, 122, 239


 98, 98, 239

 146, 146, 239

 74, 74, 239

 170, 170, 239

 50, 50, 239

 194, 194, 239

 26, 26, 239

 218, 218, 239

 2, 2, 239

 239, 242, 239

 0, 0, 239

 239, 255, 239

Harmonies

Analogous

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



0, 92, 252



122, 122, 239



199, 94, 199

Triad

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



122, 122, 239



210, 160, 33



0, 90, 161

Complementary

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



122, 122, 239



122, 239, 122

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, 110, 157



122, 122, 239



44, 166, 0

Square

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



122, 122, 239



235, 82, 86



2, 147, 39



0, 87, 187

Rectangle

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



122, 122, 239



226, 78, 162



2, 147, 39



0, 96, 160

Sweetspot

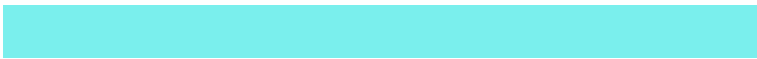
The Sweet Spot groups the original color and five complimentary colors.



122, 122, 239



217, 217, 255



122, 181, 239



105, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 122, 239



105, 105, 255



180, 122, 239



108, 108, 120



0, 0, 184



0, 0, 56

Inverse Universe

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



239, 122, 239



255, 105, 255



122, 239, 181



120, 108, 120



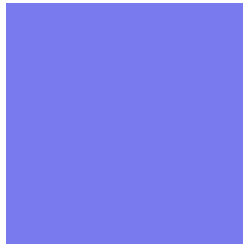
184, 0, 184



56, 0, 56

Previews

White Background



This preview shows how the RYB color 122, 122, 239 looks on a white background.

Color Contrast Check

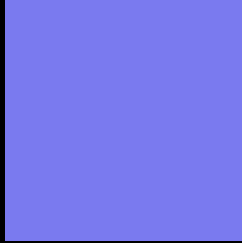
Large Text (above 18pt) WCAG AA ✓ Pass

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 122, 122, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

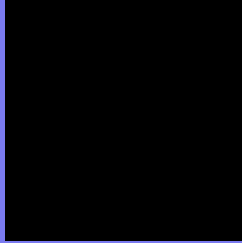
Any Text WCAG AA ✓ Pass

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 122, 122, 239 Background



This preview shows how black text looks on a background with the RYB color 122, 122, 239.

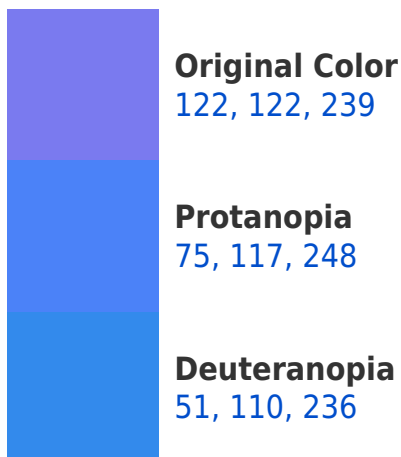


This preview shows how white text looks on a background with the RYB color 122, 122, 239.

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
97, 122, 154

Trichromacy



Original Color
122, 122, 239

Protanomaly
92, 121, 245

Deuteranomaly
77, 118, 237

Tritanomaly
106, 127, 185

Monochromacy



Original Color
122, 122, 239

Achromatopsia
135, 135, 135

Achromatomaly
130, 130, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 122, 239 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(122, 122, 239)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 239)  
}
```

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(122, 122, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 239) }
```

Border

The CSS property to change the border of an element to RYB 122, 122, 239 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(122, 122, 239) }
```

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

```
.border{ border-color:rgb(122, 122, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 239);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
239) }
```

Background

The CSS property to change the background color of an element to RYB 122, 122, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 239) }
```

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

```
.background{ background-color: rgb(122,  
122, 239) }
```

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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