

Converting Colors

`RYB(122, 47, 230)`

Have a look what the booklet for
RYB(122, 47, 230) contains.

RYB(122, 47, 230)	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>	28

Color

R_YB(122, 47, 230)

Conversions

Conversions Part 1

Format	Color
Hex	7A2FE6
RGB	122, 47, 230
RGB Percent	48%, 18%, 90%
CMY	0.5216, 0.8157, 0.0980
CMYK	0.47, 0.80, 0.00, 0.10
HSL	265°, 79%, 54%
HSV	265°, 80%, 90%
XYZ	23.3255, 11.8838, 75.9273
YIQ	90.2870, -14.0430, 72.8130

Conversions

Conversions Part 2

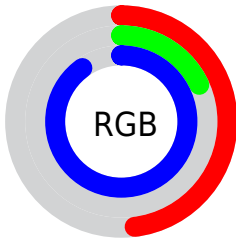
Format	Color
R _Y B	122, 47, 230
Decimal	8007654
CIE Lab	41.03, 67.22, -79.03
CIE LCh	41, 103.747, 310.384
Yxy	11.8838, 0.2099, 0.1069
Android (android.graphics.Color)	4286197734 (0xFF7A2FE6)
YUV	90.2870, 68.8785, 27.8123
Hunter-Lab	34.4729, 60.4516, -106.4567

Details

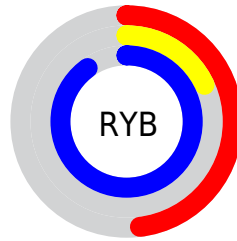
The RYB color **122, 47, 230** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **47, 230, 122**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **183, 102, 255**, and **56, 0, 173** is the 20% darker color. If you saturate the color by 10%, you get **108, 24, 230**, and if you desaturate by 10%, it is **136, 70, 230**.

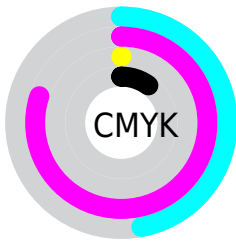
Distribution



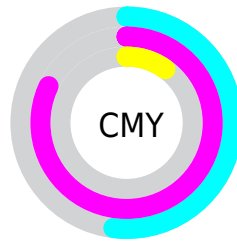
- Red (48%)
- Green (18%)
- Blue (90%)



- Red (48%)
- Yellow (18%)
- Blue (90%)



- Cyan (47%)
- Magenta (80%)
- Yellow (0%)
- Black (10%)



- Cyan (52%)
- Magenta (82%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the RYB color 122, 47, 230 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, 47, 230 by changing the saturation by 10% instead.

 122, 47, 230

 122, 47, 230


255, 255, 255

 91, 11, 201


 183, 102, 255

 56, 0, 173

 213, 130, 255

 0, 0, 146

 244, 157, 255

 0, 0, 119

 255, 186, 255

 0, 0, 93

 255, 214, 255

 0, 7, 68

 255, 244, 255

 0, 3, 45

 0, 1, 23

 0, 0, 0

■ 122, 47, 230

■ 122, 47, 230

■ 108, 24, 230

■ 136, 70, 230

■ 95, 1, 230

■ 149, 93, 230

■ 94, 0, 230

■ 163, 116, 230

■ 176, 139, 230

■ 190, 162, 230

■ 203, 185, 230

■ 217, 208, 230

■ 230, 231, 230

■ 230, 254, 240

Harmonies

Analogous

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



0, 73, 255



122, 47, 230



212, 0, 156

Triad

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



122, 47, 230



162, 120, 0



0, 63, 126

Complementary

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



122, 47, 230



47, 230, 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, 99, 124



122, 47, 230



0, 103, 11

Square

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



122, 47, 230



212, 0, 0



0, 118, 118



0, 79, 208

Rectangle

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



122, 47, 230



232, 0, 100



0, 118, 118



0, 72, 126

Sweetspot

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



122, 47, 230



219, 194, 255



47, 116, 230



106, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 47, 230



112, 13, 255



212, 47, 230



108, 103, 115



73, 0, 179



21, 0, 51

Inverse Universe

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



230, 47, 155



255, 13, 156



47, 230, 212



115, 103, 110



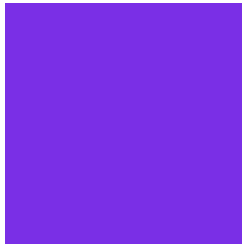
179, 0, 105



51, 0, 30

Previews

White Background



This preview shows how the RYB color 122, 47, 230 looks on a white background.

Color Contrast Check

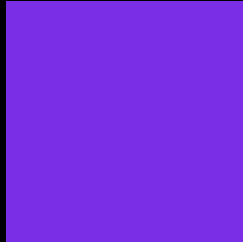
Large Text (above 18pt) WCAG AA ✓ Pass

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 122, 47, 230 looks on a black 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

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

RYB 122, 47, 230 Background



This preview shows how black text looks on a background with the RYB color 122, 47, 230.

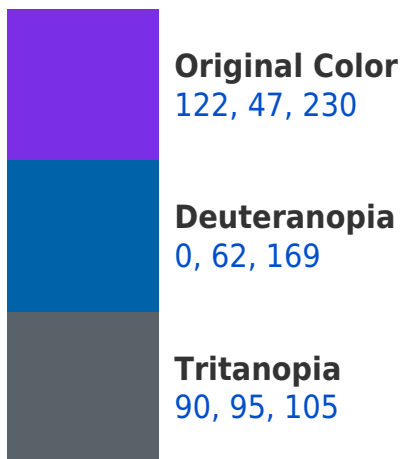


This preview shows how white text looks on a background with the RYB color 122, 47, 230.

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



Trichromacy



Original Color

122, 47, 230



Deuteranomaly

44, 73, 191



Tritanomaly

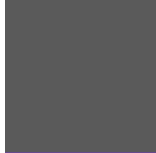
102, 79, 150

Monochromacy



Original Color

122, 47, 230



Achromatopsia

90, 90, 90



Achromatomaly

102, 74, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 47, 230 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, 47, 230)` looks like.

```
.text, #text, p{  
  color:rgb(122, 47, 230)  
}
```

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, 47, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 47, 230) }
```

Border

The CSS property to change the border of an element to RYB 122, 47, 230 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, 47, 230) }
```

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

```
.border{ border-color:rgb(122, 47, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 47, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 47, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 47, 230);  
box-shadow:4px 4px 4px 4px rgb(122, 47,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 122, 47, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 47, 230) }
```

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

```
.background{ background-color: rgb(122, 47,  
230) }
```

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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