

Converting Colors

`RYB(122, 21, 180)`

Have a look what the booklet for
RYB(122, 21, 180) contains.

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Color

R_YB(122, 21, 180)

Conversions

Conversions Part 1

Format	Color
Hex	7A15B4
RGB	122, 21, 180
RGB Percent	48%, 8%, 71%
CMY	0.5216, 0.9176, 0.2941
CMYK	0.32, 0.88, 0.00, 0.29
HSL	278°, 79%, 39%
HSV	278°, 88%, 71%
XYZ	16.5324, 7.9692, 43.8469
YIQ	69.3250, 9.1570, 70.8610

Conversions

Conversions Part 2

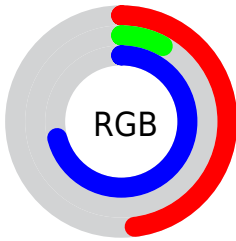
Format	Color
R_{YB}	122, 21, 180
Decimal	8000948
CIE _{Lab}	33.92, 63.94, -61.63
CIE _{LCh}	34, 88.803, 316.056
Yxy	7.9692, 0.2419, 0.1166
Android (android.graphics.Color)	4286191028 (0xFF7A15B4)
YUV	69.3250, 54.5628, 46.1960
Hunter-Lab	28.2298, 55.1343, -72.3292

Details

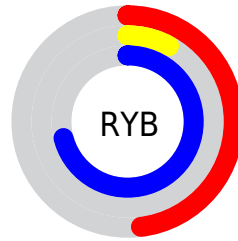
The RYB color **122, 21, 180** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **21, 180, 122**, and the grayscale version is **69, 69, 69**.

A 20% lighter version of the original color is **180, 83, 237**, and **64, 0, 126** is the 20% darker color. If you saturate the color by 10%, you get **115, 3, 180**, and if you desaturate by 10%, it is **129, 39, 180**.

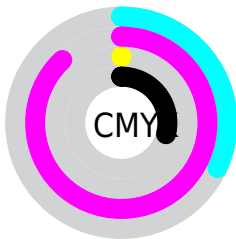
Distribution



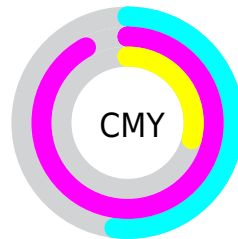
- Red (48%)
- Green (8%)
- Blue (71%)



- Red (48%)
- Yellow (8%)
- Blue (71%)



- Cyan (32%)
- Magenta (88%)
- Yellow (0%)
- Black (29%)



- Cyan (52%)
- Magenta (92%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 21, 180 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, 21, 180 by changing the saturation by 10% instead.

 122, 21, 180

 122, 21, 180

255, 255, 255

 93, 0, 153

 180, 83, 237

 64, 0, 126

 209, 110, 255

 34, 0, 100

 239, 138, 255

 0, 0, 75

 255, 166, 255

 0, 4, 51

 255, 194, 255

 0, 2, 29

 255, 223, 255

 0, 0, 0

 255, 252, 255

 122, 21, 180

 122, 21, 180

■ 115, 3, 180

■ 129, 39, 180

■ 114, 0, 180

■ 135, 57, 180

■ 142, 75, 180

■ 148, 93, 180

■ 155, 111, 180

■ 161, 129, 180

■ 168, 147, 180

■ 175, 165, 180

■ 180, 183, 182

Harmonies

Analogous

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



0, 58, 220



122, 21, 180



182, 0, 116

Triad

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



122, 21, 180



119, 125, 0



0, 55, 117

Complementary

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



122, 21, 180



21, 180, 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, 73, 103



122, 21, 180



0, 88, 26

Square

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



122, 21, 180



170, 0, 0



0, 99, 99



0, 67, 183

Rectangle

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



122, 21, 180



193, 0, 70



0, 99, 99



0, 55, 104

Sweetspot

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



122, 21, 180



211, 171, 235



21, 63, 180



104, 80, 117



245, 245, 245



117, 117, 117

Same Dimension

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



122, 21, 180



149, 0, 235



180, 21, 159



86, 80, 89



97, 0, 153



16, 0, 26

Inverse Universe

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



180, 21, 79



235, 0, 86



21, 161, 180



89, 80, 84



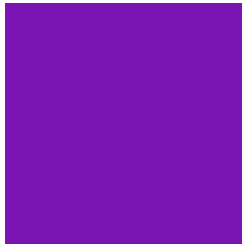
153, 0, 56



26, 0, 9

Previews

White Background



This preview shows how the RYB color 122, 21, 180 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 ✓ Pass

Black Background



This preview shows how the RYB color 122, 21, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

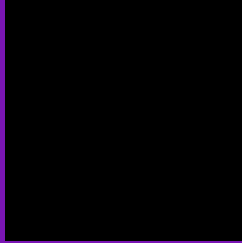
Any Text WCAG AA × Fail

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, 21, 180 Background



This preview shows how black text looks on a background with the RYB color 122, 21, 180.



This preview shows how white text looks on a background with the RYB color 122, 21, 180.

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

122, 21, 180

Protanopia

0, 53, 165

Deuteranopia

0, 53, 143



Tritanopia

104, 72, 78

Trichromacy



Original Color

122, 21, 180



Protanomaly

44, 56, 170



Deuteranomaly

44, 58, 156



Tritanomaly

111, 53, 115

Monochromacy



Original Color

122, 21, 180



Achromatopsia

69, 69, 69



Achromatomaly

88, 52, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 21, 180 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, 21, 180)` looks like.

```
.text, #text, p{  
    color:rgb(122, 21, 180)  
}
```

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, 21, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 21, 180) }
```

Border

The CSS property to change the border of an element to RYB 122, 21, 180 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, 21, 180) }
```

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

```
.border{ border-color:rgb(122, 21, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 21, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 21, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 21, 180);  
box-shadow:4px 4px 4px 4px rgb(122, 21,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 122, 21, 180 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 21, 180) }
```

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

```
.background{ background-color: rgb(122, 21,  
180) }
```

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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