

Converting Colors

`RYB(171, 75, 212)`

Have a look what the booklet for
RYB(171, 75, 212) contains.

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Color

R_YB(171, 75, 212)

Conversions

Conversions Part 1

Format	Color
Hex	AB4BD4
RGB	171, 75, 212
RGB Percent	67%, 29%, 83%
CMY	0.3294, 0.7059, 0.1686
CMYK	0.19, 0.65, 0.00, 0.17
HSL	282°, 61%, 56%
HSV	282°, 65%, 83%
XYZ	31.1943, 18.4435, 64.2032
YIQ	119.3220, 13.2390, 62.9590

Conversions

Conversions Part 2

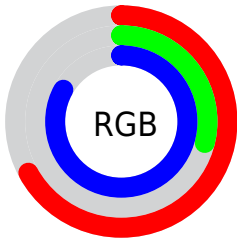
Format	Color
RYB	171, 75, 212
Decimal	11226068
CIELab	50.03, 60.28, -53.87
CIELCh	50, 80.842, 318.216
Yxy	18.4435, 0.2740, 0.1620
Android (android.graphics.Color)	4289416148 (0xFFAB4BD4)
YUV	119.3220, 45.6903, 45.3216
Hunter-Lab	42.9460, 54.5003, -58.5750

Details

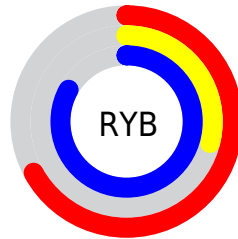
The RYB color **171, 75, 212** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **75, 212, 171**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **229, 130, 255**, and **115, 10, 156** is the 20% darker color. If you saturate the color by 10%, you get **165, 54, 212**, and if you desaturate by 10%, it is **177, 96, 212**.

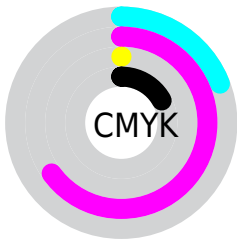
Distribution



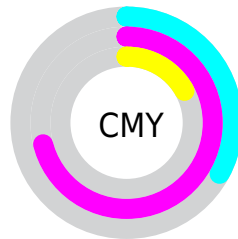
- Red (67%)
- Green (29%)
- Blue (83%)



- Red (67%)
- Yellow (29%)
- Blue (83%)



- Cyan (19%)
- Magenta (65%)
- Yellow (0%)
- Black (17%)





- Cyan (33%)
- Magenta (71%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 75, 212 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 171, 75, 212 by changing the saturation by 10% instead.

 171, 75, 212

 171, 75, 212

255, 255, 255

 143, 47, 184

 229, 130, 255

 115, 10, 156

 255, 157, 255

 87, 0, 130

 255, 185, 255

 59, 0, 104

 255, 214, 255

 35, 0, 79

 255, 243, 255

 0, 0, 55

 0, 2, 33

 0, 0, 5

 0, 0, 0

171, 75, 212

171, 75, 212

165, 54, 212

177, 96, 212

158, 33, 212

184, 117, 212

152, 11, 212

190, 139, 212

149, 0, 212

196, 160, 212

203, 181, 212

209, 202, 212

212, 223, 220

212, 245, 235

212, 255, 239

Harmonies

Analogous

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



0, 78, 252



171, 75, 212



225, 13, 149

Triad

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



171, 75, 212



96, 167, 0



0, 77, 160

Complementary

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



171, 75, 212



75, 212, 171

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, 91, 146



171, 75, 212



0, 129, 23

Square

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



171, 75, 212



212, 102, 3



0, 140, 140



0, 88, 222

Rectangle

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



171, 75, 212



236, 0, 103



0, 140, 140



0, 77, 148

Sweetspot

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



171, 75, 212



241, 207, 255



75, 107, 212



119, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



171, 75, 212



195, 56, 255



212, 75, 185



104, 96, 107



120, 0, 171



30, 0, 43

Inverse Universe

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



212, 75, 116



255, 56, 116



75, 189, 212



107, 96, 100



171, 0, 51



43, 0, 13

Previews

White Background



This preview shows how the RYB color 171, 75, 212 looks on a white background.

Color Contrast Check

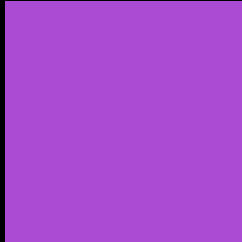
Large Text (above 18pt) WCAG AA ✓ Pass

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 171, 75, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

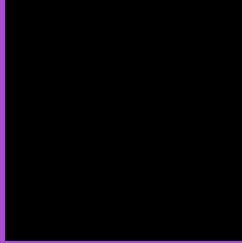
Any Text WCAG AA ✓ Pass

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 171, 75, 212 Background



This preview shows how black text looks on a background with the RYB color 171, 75, 212.

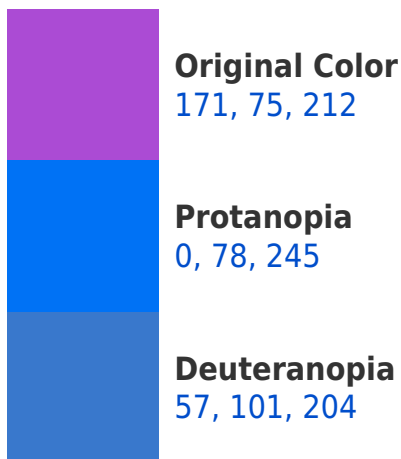



This preview shows how white text looks on a background with the RYB color 171, 75, 212.

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
156, 105, 113

Trichromacy



Original Color
171, 75, 212



Protanomaly
62, 93, 233



Deuteranomaly
98, 104, 207



Tritanomaly
161, 94, 149

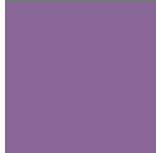
Monochromacy



Original Color
171, 75, 212



Achromatopsia
119, 119, 119



Achromatomaly
138, 103, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 75, 212 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(171, 75, 212)` looks like.

```
.text, #text, p{  
    color:rgb(171, 75, 212)  
}
```

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(171, 75, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 75, 212) }
```

Border

The CSS property to change the border of an element to RYB 171, 75, 212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

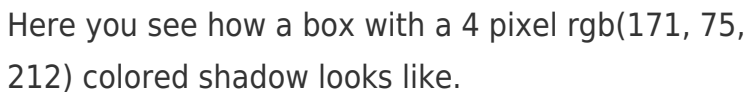
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 75, 212) }
```

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

```
.border{ border-color:rgb(171, 75, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 75, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 75, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 75, 212); box-shadow:4px 4px 4px 4px rgb(171, 75, 212) }
```

Background

The CSS property to change the background color of an element to RYB 171, 75, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 75, 212) }
```

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

```
.background{ background-color: rgb(171, 75,  
212) }
```

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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