

Converting Colors

`RYB(171, 56, 242)`

Have a look what the booklet for RYB(171, 56, 242) contains.

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Color

RYB(171, 56, 242)

Conversions

Conversions Part 1

Format	Color
Hex	AB38F2
RGB	171, 56, 242
RGB Percent	67%, 22%, 95%
CMY	0.3294, 0.7804, 0.0510
CMYK	0.29, 0.77, 0.00, 0.05
HSL	277°, 88%, 58%
HSV	277°, 77%, 95%
XYZ	34.2358, 17.8971, 85.6545
YIQ	111.5890, 8.8340, 82.2260

Conversions

Conversions Part 2

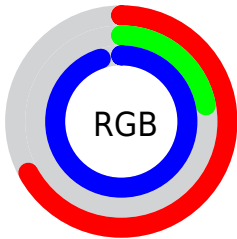
Format	Color
R_{YB}	171, 56, 242
Decimal	11221234
CIE _{Lab}	49.37, 73.98, -71.92
CIE _{LCh}	49, 103.178, 315.811
Yxy	17.8971, 0.2485, 0.1299
Android (android.graphics.Color)	4289411314 (0xFFAB38F2)
YUV	111.5890, 64.2926, 52.1034
Hunter-Lab	42.3049, 70.4196, -90.4305

Details

The RYB color **171, 56, 242** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **56, 242, 171**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **231, 115, 255**, and **112, 0, 185** is the 20% darker color. If you saturate the color by 10%, you get **162, 32, 242**, and if you desaturate by 10%, it is **180, 80, 242**.

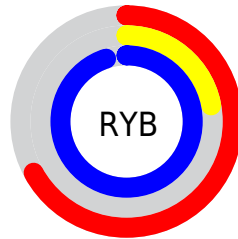
Distribution



Red (67%)

Green (22%)

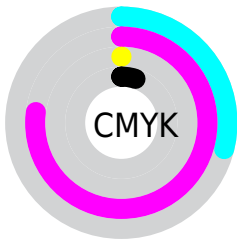
Blue (95%)



Red (67%)

Yellow (22%)

Blue (95%)

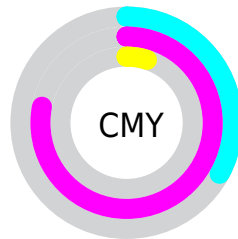


Cyan (29%)

Magenta (77%)

Yellow (0%)

Black (5%)



Cyan (33%)


















Magenta (78%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 56, 242 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, 56, 242 by changing the saturation by 10% instead.

 171, 56, 242	 171, 56, 242
 255, 255, 255	 141, 16, 213
 231, 115, 255	 112, 0, 185
 255, 143, 255	 81, 0, 157
 255, 172, 255	 49, 0, 130
 255, 201, 255	 11, 0, 104
 255, 230, 255	 0, 0, 79
	 0, 5, 55
	 0, 2, 32
	 0, 0, 5

■ 171, 56, 242

■ 171, 56, 242

■ 162, 32, 242

■ 180, 80, 242

■ 153, 8, 242

■ 189, 104, 242

■ 150, 0, 242

■ 199, 129, 242

■ 208, 153, 242

■ 217, 177, 242

■ 226, 201, 242

■ 236, 225, 242

■ 242, 250, 247

■ 242, 255, 243

Harmonies

Analogous

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



0, 79, 255



171, 56, 242



246, 0, 163

Triad

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



171, 56, 242



143, 177, 0



0, 78, 163

Complementary

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



171, 56, 242



56, 242, 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, 100, 148



171, 56, 242



0, 128, 28

Square

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



171, 56, 242



233, 29, 0



0, 142, 142



0, 93, 244

Rectangle

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



171, 56, 242



255, 0, 105



0, 142, 142



0, 80, 150

Sweetspot

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



171, 56, 242



233, 196, 255



56, 107, 242



114, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



171, 56, 242



165, 20, 255



242, 56, 220



115, 108, 120



114, 0, 184



35, 0, 56

Inverse Universe

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



242, 56, 127



255, 20, 110



56, 222, 242



120, 108, 112



184, 0, 70



56, 0, 21

Previews

White Background



This preview shows how the RYB color 171, 56, 242 looks on a white background.

Color Contrast Check

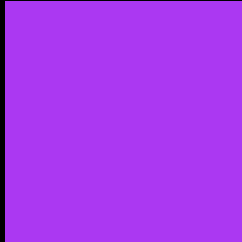
Large Text (above 18pt) WCAG AA ✓ Pass

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 171, 56, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

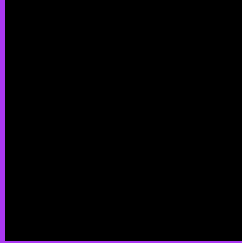
Any Text WCAG AA ✓ Pass

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, 56, 242 Background



This preview shows how black text looks on a background with the RYB color 171, 56, 242.

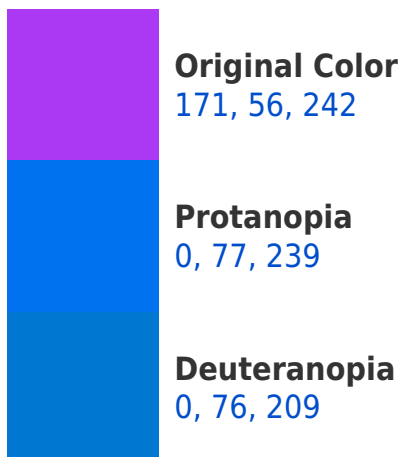



This preview shows how white text looks on a background with the RYB color 171, 56, 242.

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
149, 105, 113

Trichromacy



Original Color

171, 56, 242



Protanomaly

62, 88, 240



Deuteranomaly

62, 91, 221



Tritanomaly

157, 87, 160

Monochromacy



Original Color

171, 56, 242



Achromatopsia

112, 112, 112



Achromatomaly

133, 92, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 56, 242 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, 56, 242)` looks like.

```
.text, #text, p{  
    color:rgb(171, 56, 242)  
}
```

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, 56, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 56, 242) }
```

Border

The CSS property to change the border of an element to RYB 171, 56, 242 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, 56, 242) }
```

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

```
.border{ border-color:rgb(171, 56, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 56, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 56, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 56, 242);  
box-shadow:4px 4px 4px 4px rgb(171, 56,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 171, 56, 242 is called "background".

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

```
.background, #background, body{  
background: rgb(171, 56, 242) }
```

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

```
.background{ background-color: rgb(171, 56,  
242) }
```

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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