

Converting Colors

`RYB(156, 53, 230)`

Have a look what the booklet for
RYB(156, 53, 230) contains.

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Color

R_YB(156, 53, 230)

Conversions

Conversions Part 1

Format	Color
Hex	9C35E6
RGB	156, 53, 230
RGB Percent	61%, 21%, 90%
CMY	0.3882, 0.7922, 0.0980
CMYK	0.32, 0.77, 0.00, 0.10
HSL	275°, 78%, 55%
HSV	275°, 77%, 90%
XYZ	29.2663, 15.3273, 76.2789
YIQ	103.9750, 4.5710, 76.8830

Conversions

Conversions Part 2

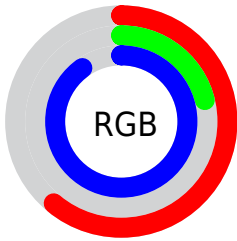
Format	Color
R_{YB}	156, 53, 230
Decimal	10237414
CIE _{Lab}	46.08, 70.05, -70.59
CIE _{LCh}	46, 99.453, 314.779
Yxy	15.3273, 0.2421, 0.1268
Android (android.graphics.Color)	4288427494 (0xFF9C35E6)
YUV	103.9750, 62.1303, 45.6259
Hunter-Lab	39.1501, 64.9236, -88.1138

Details

The RYB color **156, 53, 230** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **53, 230, 156**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **216, 111, 255**, and **97, 0, 173** is the 20% darker color. If you saturate the color by 10%, you get **146, 30, 230**, and if you desaturate by 10%, it is **166, 76, 230**.

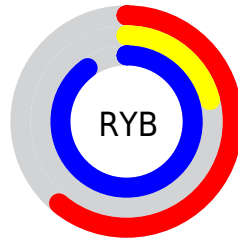
Distribution



Red (61%)

Green (21%)

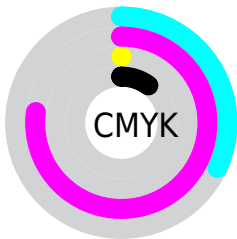
Blue (90%)



Red (61%)

Yellow (21%)

Blue (90%)

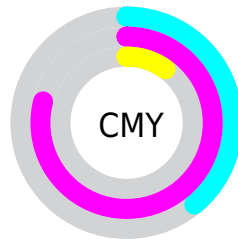


Cyan (32%)

Magenta (77%)

Yellow (0%)

Black (10%)



Cyan (39%)



















Magenta (79%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 53, 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 156, 53, 230 by changing the saturation by 10% instead.

 156, 53, 230	 156, 53, 230
 255, 255, 255	 127, 15, 201
 216, 111, 255	 97, 0, 173
 246, 139, 255	 66, 0, 146
 255, 167, 255	 31, 0, 119
 255, 195, 255	 0, 0, 94
 255, 225, 255	 0, 0, 69
 255, 254, 255	 0, 3, 45
	 0, 1, 24
	 0, 0, 0

■ 156, 53, 230

■ 156, 53, 230

■ 146, 30, 230

■ 166, 76, 230

■ 137, 7, 230

■ 175, 99, 230

■ 134, 0, 230

■ 185, 122, 230

■ 194, 145, 230

■ 204, 168, 230

■ 214, 191, 230

■ 223, 214, 230

■ 230, 237, 234

■ 230, 255, 242

Harmonies

Analogous

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



0, 76, 255



156, 53, 230



230, 0, 155

Triad

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



156, 53, 230



146, 167, 0



0, 72, 150

Complementary

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



156, 53, 230



53, 230, 156

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, 96, 138



156, 53, 230



0, 119, 24

Square

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



156, 53, 230



220, 9, 0



0, 132, 132



0, 87, 227

Rectangle

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



156, 53, 230



245, 0, 100



0, 132, 132



0, 75, 140

Sweetspot

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



156, 53, 230



230, 196, 255



53, 107, 230



113, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



156, 53, 230



157, 20, 255



230, 53, 218



110, 103, 115



104, 0, 179



30, 0, 51

Inverse Universe

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



230, 53, 127



255, 20, 118



53, 219, 230



115, 103, 108



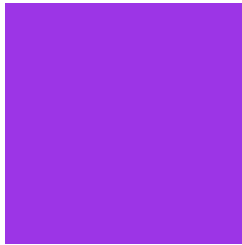
179, 0, 75



51, 0, 21

Previews

White Background



This preview shows how the RYB color 156, 53, 230 looks on a white background.

Color Contrast Check

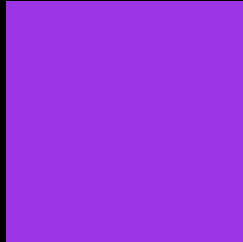
Large Text (above 18pt) WCAG AA ✓ Pass

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 156, 53, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

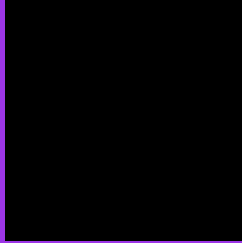
Any Text WCAG AA × Fail

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 156, 53, 230 Background



This preview shows how black text looks on a background with the RYB color 156, 53, 230.

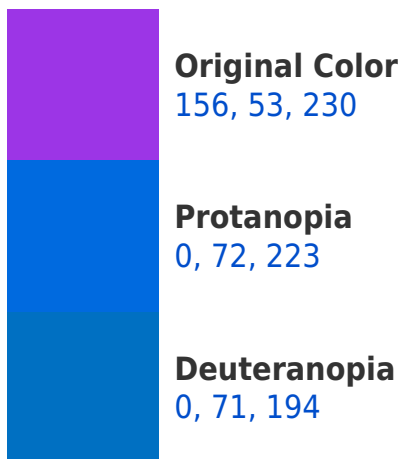


This preview shows how white text looks on a background with the RYB color 156, 53, 230.

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





Tritanopia
134, 100, 108

Trichromacy



Original Color

156, 53, 230



Protanomaly

57, 82, 226



Deuteranomaly

57, 85, 207



Tritanomaly

142, 83, 152

Monochromacy



Original Color

156, 53, 230



Achromatopsia

104, 104, 104



Achromatomaly

123, 85, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 53, 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(156, 53, 230)` looks like.

```
.text, #text, p{  
    color:rgb(156, 53, 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(156, 53, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 53, 230) }
```

Border

The CSS property to change the border of an element to RYB 156, 53, 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(156, 53, 230) }
```

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

```
.border{ border-color:rgb(156, 53, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 53, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 53, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 53, 230);  
box-shadow:4px 4px 4px 4px rgb(156, 53,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 156, 53, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 53, 230) }
```

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

```
.background{ background-color: rgb(156, 53,  
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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