

Converting Colors

`RYB(156, 74, 232)`

Have a look what the booklet for RYB(156, 74, 232) contains.

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Color

R_YB(156, 74, 232)

Conversions

Conversions Part 1

Format	Color
Hex	9C4AE8
RGB	156, 74, 232
RGB Percent	61%, 29%, 91%
CMY	0.3882, 0.7098, 0.0902
CMYK	0.33, 0.68, 0.00, 0.09
HSL	271°, 77%, 60%
HSV	271°, 68%, 91%
XYZ	30.7246, 17.7917, 78.1587
YIQ	116.5300, -1.8460, 66.5220

Conversions

Conversions Part 2

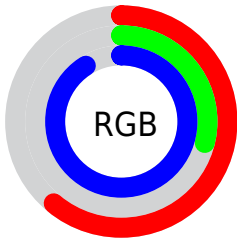
Format	Color
RYB	156, 74, 232
Decimal	10242792
CIELab	49.24, 61.93, -66.59
CIElCh	49, 90.939, 312.926
Yxy	17.7917, 0.2425, 0.1405
Android (android.graphics.Color)	4288432872 (0xFF9C4AE8)
YUV	116.5300, 56.9267, 34.6152
Hunter-Lab	42.1802, 56.2063, -80.3366

Details

The RYB color **156, 74, 232** 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 **74, 232, 156**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **215, 128, 255**, and **98, 11, 175** is the 20% darker color. If you saturate the color by 10%, you get **145, 51, 232**, and if you desaturate by 10%, it is **167, 97, 232**.

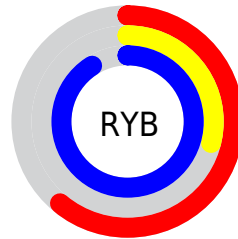
Distribution



Red (61%)

Green (29%)

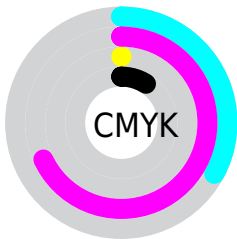
Blue (91%)



Red (61%)

Yellow (29%)

Blue (91%)

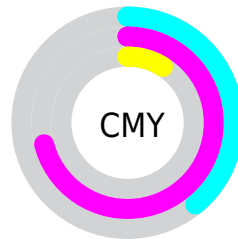


Cyan (33%)

Magenta (68%)

Yellow (0%)

Black (9%)



Cyan (39%)


















Magenta (71%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 74, 232 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, 74, 232 by changing the saturation by 10% instead.

 156, 74, 232	 156, 74, 232
 255, 255, 255	 127, 46, 203
 215, 128, 255	 98, 11, 175
 245, 156, 255	 68, 0, 148
 255, 184, 255	 34, 0, 121
 255, 212, 255	 0, 0, 96
 255, 241, 255	 0, 0, 71
	 0, 4, 47
	 0, 1, 25
	 0, 0, 0

■ 156, 74, 232

■ 156, 74, 232

■ 145, 51, 232

■ 167, 97, 232

■ 134, 28, 232

■ 178, 120, 232

■ 123, 4, 232

■ 189, 144, 232

■ 120, 0, 232

■ 201, 167, 232

■ 212, 190, 232

■ 223, 213, 232

■ 232, 236, 234

■ 232, 255, 242

■ 232, 255, 232

Harmonies

Analogous

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



0, 80, 255



156, 74, 232



228, 0, 164

Triad

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



156, 74, 232



149, 178, 0



0, 74, 150

Complementary

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



156, 74, 232



74, 232, 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, 99, 145



156, 74, 232



0, 124, 11

Square

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



156, 74, 232



225, 53, 0



0, 139, 139



0, 88, 222

Rectangle

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



156, 74, 232



245, 0, 113



0, 139, 139



0, 80, 147

Sweetspot

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



156, 74, 232



230, 204, 255



74, 125, 232



113, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



156, 74, 232



154, 46, 255



232, 74, 229



109, 103, 115



93, 0, 179



26, 0, 51

Inverse Universe

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



232, 74, 150



255, 46, 146



74, 229, 232



115, 103, 109



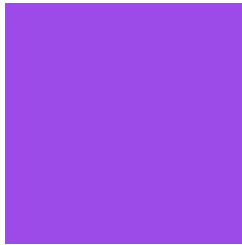
179, 0, 86



51, 0, 25

Previews

White Background



This preview shows how the RYB color 156, 74, 232 looks on a white background.

Color Contrast Check

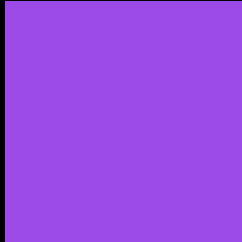
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

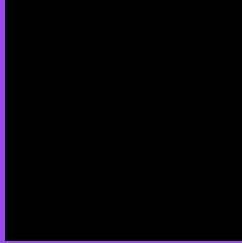
Any Text WCAG AA ✓ Pass

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 156, 74, 232 Background



This preview shows how black text looks on a background with the RYB color 156, 74, 232.

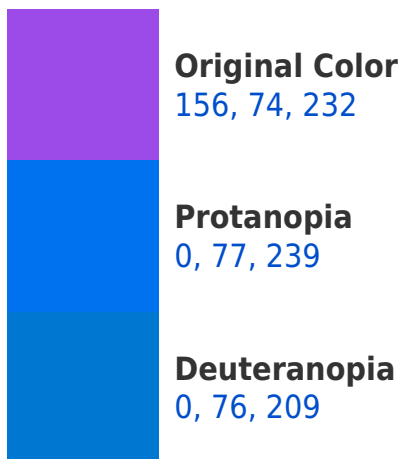


This preview shows how white text looks on a background with the RYB color 156, 74, 232.

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



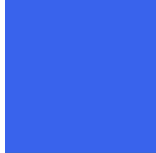


Tritanopia
135, 110, 119

Trichromacy



Original Color
156, 74, 232



Protanomaly
57, 91, 236



Deuteranomaly
57, 93, 217



Tritanomaly
143, 97, 160

Monochromacy



Original Color
156, 74, 232



Achromatopsia
117, 117, 117



Achromatomaly
131, 101, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 74, 232 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, 74, 232)` looks like.

```
.text, #text, p{  
    color:rgb(156, 74, 232)  
}
```

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, 74, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 74, 232) }
```

Border

The CSS property to change the border of an element to RYB 156, 74, 232 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, 74, 232) }
```

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

```
.border{ border-color:rgb(156, 74, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 74, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 74, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 74, 232);  
box-shadow:4px 4px 4px 4px rgb(156, 74,  
232) }
```

Background

The CSS property to change the background color of an element to RGB 156, 74, 232 is called "background".

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

```
.background, #background, body{  
background: rgb(156, 74, 232) }
```

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

```
.background{ background-color: rgb(156, 74,  
232) }
```

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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