

Converting Colors

`RYB(157, 75, 237)`

Have a look what the booklet for RYB(157, 75, 237) contains.

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Color

R_YB(157, 75, 237)

Conversions

Conversions Part 1

Format	Color
Hex	9D4BED
RGB	157, 75, 237
RGB Percent	62%, 29%, 93%
CMY	0.3843, 0.7059, 0.0706
CMYK	0.34, 0.68, 0.00, 0.07
HSL	270°, 82%, 61%
HSV	270°, 68%, 93%
XYZ	31.7068, 18.3147, 81.9847
YIQ	117.9860, -3.1300, 67.7660

Conversions

Conversions Part 2

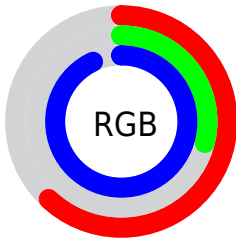
Format	Color
RYB	157, 75, 237
Decimal	10308589
CIELab	49.88, 62.82, -68.37
CIELCh	50, 92.852, 312.578
Yxy	18.3147, 0.2402, 0.1387
Android (android.graphics.Color)	4288498669 (0xFF9D4BED)
YUV	117.9860, 58.6739, 34.2153
Hunter-Lab	42.7957, 57.3560, -83.6264

Details

The RYB color **157, 75, 237** 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, 237, 157**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **216, 129, 255**, and **98, 12, 180** is the 20% darker color. If you saturate the color by 10%, you get **145, 51, 237**, and if you desaturate by 10%, it is **169, 99, 237**.

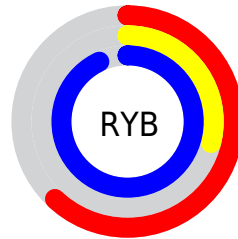
Distribution



Red (62%)

Green (29%)

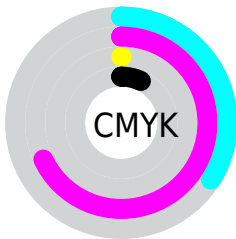
Blue (93%)



Red (62%)

Yellow (29%)

Blue (93%)

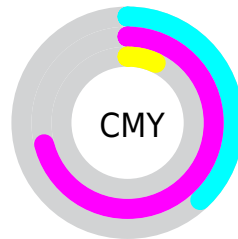


Cyan (34%)

Magenta (68%)

Yellow (0%)

Black (7%)



Cyan (38%)

Magenta (71%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 75, 237 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 157, 75, 237 by changing the saturation by 10% instead.

 157, 75, 237

255, 255, 255

 216, 129, 255

 246, 157, 255

 255, 185, 255

 255, 214, 255

 255, 243, 255


 157, 75, 237

 128, 47, 208

 98, 12, 180

 68, 0, 152

 34, 0, 126

 0, 0, 100

 0, 0, 75

 0, 4, 51

 0, 2, 29

 0, 0, 0

■ 157, 75, 237

■ 157, 75, 237

■ 145, 51, 237

■ 169, 99, 237

■ 134, 28, 237

■ 180, 122, 237

■ 122, 4, 237

■ 192, 146, 237

■ 120, 0, 237

■ 204, 170, 237

■ 216, 194, 237

■ 227, 217, 237

■ 237, 241, 239

■ 237, 255, 241

■ 237, 255, 237

Harmonies

Analogous

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



0, 81, 255



157, 75, 237



231, 0, 168

Triad

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



157, 75, 237



159, 182, 0



0, 75, 151

Complementary

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



157, 75, 237



75, 237, 157

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, 101, 147



157, 75, 237



0, 126, 11

Square

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



157, 75, 237



229, 50, 0



0, 141, 141



0, 90, 225

Rectangle

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



157, 75, 237



249, 0, 116



0, 141, 141



0, 81, 149

Sweetspot

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



157, 75, 237



229, 201, 255



75, 129, 237



112, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



157, 75, 237



152, 46, 255



237, 75, 237



112, 106, 117



92, 0, 181



27, 0, 54

Inverse Universe

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



237, 75, 155



255, 46, 149



75, 237, 237



117, 106, 111



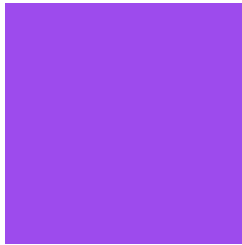
181, 0, 89



54, 0, 26

Previews

White Background



This preview shows how the RYB color 157, 75, 237 looks on a white background.

Color Contrast Check

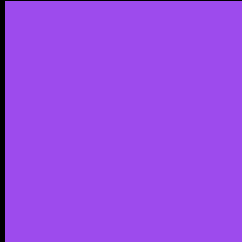
Large Text (above 18pt) WCAG AA ✓ Pass

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 157, 75, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

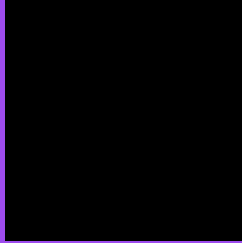
Any Text WCAG AA ✓ Pass

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 157, 75, 237 Background



This preview shows how black text looks on a background with the RYB color 157, 75, 237.

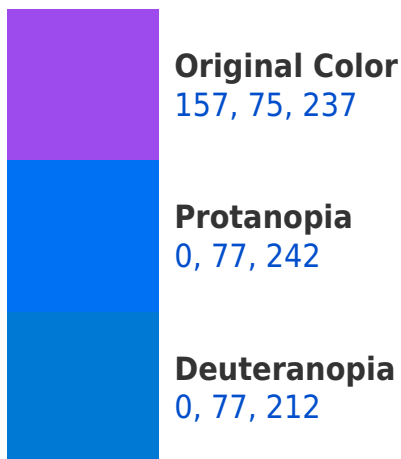


This preview shows how white text looks on a background with the RYB color 157, 75, 237.

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



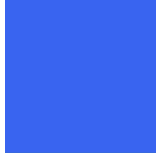


Tritanopia
135, 112, 121

Trichromacy



Original Color
157, 75, 237



Protanomaly
57, 92, 240



Deuteranomaly
57, 94, 221



Tritanomaly
143, 99, 163

Monochromacy



Original Color
157, 75, 237



Achromatopsia
118, 118, 118



Achromatomaly
132, 102, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 75, 237 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(157, 75, 237)` looks like.

```
.text, #text, p{  
    color:rgb(157, 75, 237)  
}
```

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(157, 75, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 75, 237) }
```

Border

The CSS property to change the border of an element to RYB 157, 75, 237 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(157, 75, 237) }
```

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

```
.border{ border-color:rgb(157, 75, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 75, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 75, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 75, 237);  
box-shadow:4px 4px 4px 4px rgb(157, 75,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 157, 75, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 75, 237) }
```

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

```
.background{ background-color: rgb(157, 75,  
237) }
```

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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