

Converting Colors

`RYB(159, 65, 225)`

Have a look what the booklet for
RYB(159, 65, 225) contains.

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Color

R_YB(159, 65, 225)

Conversions

Conversions Part 1

Format	Color
Hex	9F41E1
RGB	159, 65, 225
RGB Percent	62%, 25%, 88%
CMY	0.3765, 0.7451, 0.1176
CMYK	0.29, 0.71, 0.00, 0.12
HSL	275°, 73%, 57%
HSV	275°, 71%, 88%
XYZ	29.7790, 16.5878, 72.8664
YIQ	111.3460, 4.6640, 69.6880

Conversions

Conversions Part 2

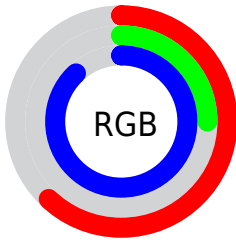
Format	Color
R _Y B	159, 65, 225
Decimal	10437089
CIE Lab	47.74, 64.87, -65.05
CIE LCh	48, 91.865, 314.921
Yxy	16.5878, 0.2498, 0.1391
Android (android.graphics.Color)	4288627169 (0xFF9F41E1)
YUV	111.3460, 56.0314, 41.7926
Hunter-Lab	40.7281, 59.2390, -77.5658

Details

The RYB color **159, 65, 225** 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 **65, 225, 159**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **218, 120, 255**, and **101, 0, 169** is the 20% darker color. If you saturate the color by 10%, you get **150, 43, 225**, and if you desaturate by 10%, it is **168, 87, 225**.

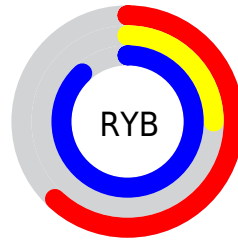
Distribution



Red (62%)

Green (25%)

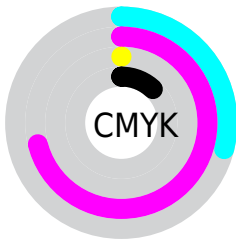
Blue (88%)



Red (62%)

Yellow (25%)

Blue (88%)

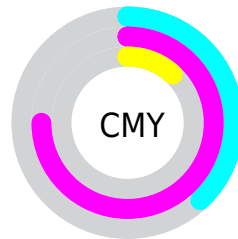


Cyan (29%)

Magenta (71%)

Yellow (0%)

Black (12%)



Cyan (38%)

Magenta (75%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 65, 225 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 159, 65, 225 by changing the saturation by 10% instead.



159, 65, 225



159, 65, 225

255, 255, 255



130, 35, 196



218, 120, 255



101, 0, 169



248, 148, 255



72, 0, 141



255, 176, 255



40, 0, 115



255, 205, 255



0, 0, 90



255, 234, 255



0, 0, 65



0, 3, 42



0, 1, 20



0, 0, 0

■ 159, 65, 225

■ 159, 65, 225

■ 150, 43, 225

■ 168, 87, 225

■ 140, 20, 225

■ 178, 110, 225

■ 132, 0, 225

■ 187, 132, 225

■ 196, 155, 225

■ 205, 178, 225

■ 215, 200, 225

■ 224, 222, 225

■ 225, 245, 237

■ 225, 255, 237

Harmonies

Analogous

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



0, 77, 255



159, 65, 225



227, 0, 156

Triad

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



159, 65, 225



134, 170, 0



0, 74, 151

Complementary

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



159, 65, 225



65, 225, 159

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, 95, 141



159, 65, 225



0, 122, 19

Square

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



159, 65, 225



219, 52, 0



0, 135, 135



0, 87, 223

Rectangle

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



159, 65, 225



241, 0, 104



0, 135, 135



0, 76, 143

Sweetspot

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



159, 65, 225



233, 201, 255



65, 112, 225



114, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



159, 65, 225



166, 38, 255



225, 65, 212



108, 101, 112



103, 0, 176



28, 0, 48

Inverse Universe

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



225, 65, 131



255, 38, 128



65, 213, 225



112, 101, 106



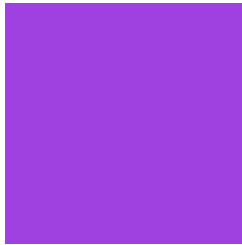
176, 0, 73



48, 0, 20

Previews

White Background



This preview shows how the RYB color 159, 65, 225 looks on a white background.

Color Contrast Check

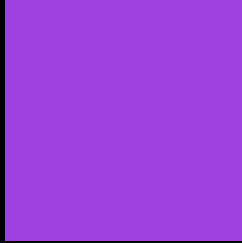
Large Text (above 18pt) WCAG AA ✓ Pass

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 159, 65, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

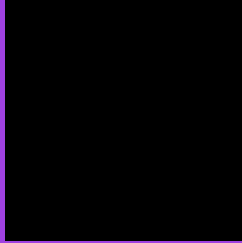
Any Text WCAG AA × Fail

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 159, 65, 225 Background



This preview shows how black text looks on a background with the RYB color 159, 65, 225.

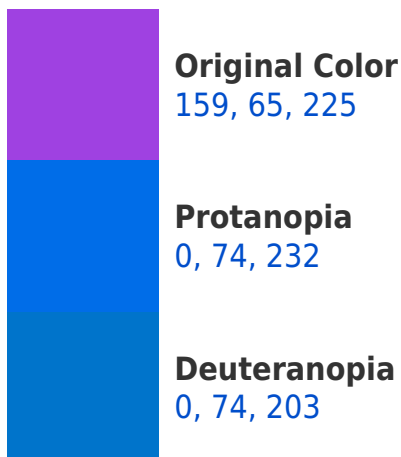


This preview shows how white text looks on a background with the RYB color 159, 65, 225.

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





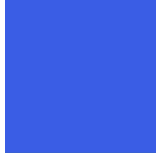
Tritanopia
139, 104, 112

Trichromacy



Original Color

159, 65, 225



Protanomaly

58, 87, 229



Deuteranomaly

58, 89, 211



Tritanomaly

146, 90, 153

Monochromacy



Original Color

159, 65, 225



Achromatopsia

111, 111, 111



Achromatomaly

128, 94, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 65, 225 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(159, 65, 225) looks like.

```
.text, #text, p{  
    color:rgb(159, 65, 225)  
}
```

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(159, 65, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 65, 225) }
```

Border

The CSS property to change the border of an element to RYB 159, 65, 225 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(159, 65, 225) }
```

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

```
.border{ border-color:rgb(159, 65, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 65, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 65, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 65, 225);  
box-shadow:4px 4px 4px 4px rgb(159, 65,  
225) }
```

Background

The CSS property to change the background color of an element to RGB 159, 65, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 65, 225) }
```

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

```
.background{ background-color: rgb(159, 65,  
225) }
```

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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