

Converting Colors

`RYB(159, 67, 185)`

Have a look what the booklet for
RYB(159, 67, 185) contains.

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Color

R_YB(159, 67, 185)

Conversions

Conversions Part 1

Format	Color
Hex	9F43B9
RGB	159, 67, 185
RGB Percent	62%, 26%, 73%
CMY	0.3765, 0.7373, 0.2745
CMYK	0.14, 0.64, 0.00, 0.27
HSL	287°, 47%, 49%
HSV	287°, 64%, 73%
XYZ	25.0622, 14.8880, 47.4517
YIQ	107.9600, 16.9540, 56.2020

Conversions

Conversions Part 2

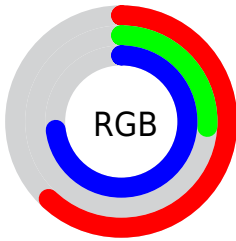
Format	Color
R _Y B	159, 67, 185
Decimal	10437561
CIE Lab	45.48, 55.62, -45.63
CIE LCh	45, 71.946, 320.635
Yxy	14.8880, 0.2867, 0.1703
Android (android.graphics.Color)	4288627641 (0xFF9F43B9)
YUV	107.9600, 37.9807, 44.7621
Hunter-Lab	38.5850, 48.4177, -45.9051

Details

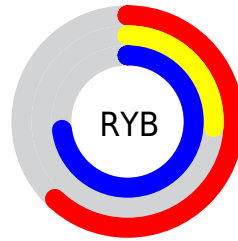
The RYB color **159, 67, 185** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **67, 185, 159**, and the grayscale version is **108, 108, 108**.

A 20% lighter version of the original color is **216, 121, 242**, and **104, 0, 131** is the 20% darker color. If you saturate the color by 10%, you get **155, 49, 185**, and if you desaturate by 10%, it is **163, 86, 185**.

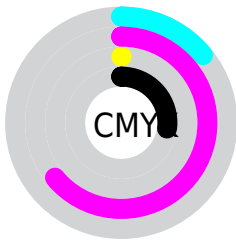
Distribution



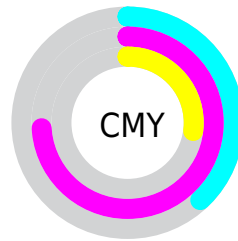
- Red (62%)
- Green (26%)
- Blue (73%)



- Red (62%)
- Yellow (26%)
- Blue (73%)



- Cyan (14%)
- Magenta (64%)
- Yellow (0%)
- Black (27%)




- Cyan (38%)
- Magenta (74%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 67, 185 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, 67, 185 by changing the saturation by 10% instead.

 159, 67, 185

255, 255, 255

 216, 121, 242


 246, 148, 255

 255, 176, 255

 255, 204, 255

 255, 233, 255

 159, 67, 185

 131, 39, 158

 104, 0, 131

 77, 0, 105

 51, 0, 81

 25, 0, 57

 0, 2, 34

 0, 0, 8

 0, 0, 0

 159, 67, 185

 159, 67, 185

■ 155, 49, 185

■ 163, 86, 185

■ 151, 30, 185

■ 167, 104, 185

■ 147, 12, 185

■ 171, 123, 185

■ 144, 0, 185

■ 175, 141, 185

■ 179, 160, 185

■ 183, 178, 185

■ 185, 197, 194

■ 185, 215, 208

■ 185, 234, 223

Harmonies

Analogous

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



40, 85, 222



159, 67, 185



203, 24, 129

Triad

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



159, 67, 185



74, 147, 0



0, 70, 149

Complementary

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



159, 67, 185



67, 185, 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, 80, 132



159, 67, 185



0, 117, 25

Square

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



159, 67, 185



188, 107, 2



0, 113, 127



0, 79, 201

Rectangle

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



159, 67, 185



211, 16, 89



0, 113, 127



0, 68, 133

Sweetspot

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



159, 67, 185



230, 194, 240



67, 90, 185



114, 92, 120



247, 247, 247



120, 120, 120

Same Dimension

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



159, 67, 185



199, 55, 240



185, 67, 154



90, 83, 92



121, 0, 156



22, 0, 28

Inverse Universe

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



185, 67, 93



240, 55, 96



67, 160, 185



92, 83, 85



156, 0, 34



28, 0, 6

Previews

White Background



This preview shows how the RYB color 159, 67, 185 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, 67, 185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

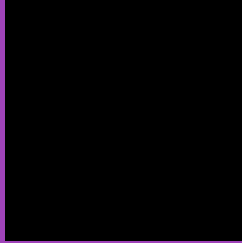
Any Text WCAG AA × Fail

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, 67, 185 Background



This preview shows how black text looks on a background with the RYB color 159, 67, 185.



This preview shows how white text looks on a background with the RYB color 159, 67, 185.

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



Original Color
159, 67, 185

Deuteranopia
64, 96, 177

Tritanopia
147, 93, 99

Trichromacy



Original Color
159, 67, 185

Deuteranomaly
99, 94, 180

Tritanomaly
151, 84, 130

Monochromacy



Original Color
159, 67, 185

Achromatopsia
108, 108, 108

Achromatomaly
127, 93, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 67, 185 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, 67, 185)` looks like.

```
.text, #text, p{  
    color:rgb(159, 67, 185)  
}
```

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, 67, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 67, 185) }
```

Border

The CSS property to change the border of an element to RYB 159, 67, 185 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, 67, 185) }
```

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

```
.border{ border-color:rgb(159, 67, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 67, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 67, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 67, 185); box-shadow:4px 4px 4px 4px rgb(159, 67, 185) }
```

Background

The CSS property to change the background color of an element to RYB 159, 67, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 67, 185) }
```

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

```
.background{ background-color: rgb(159, 67,  
185) }
```

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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