

# Converting Colors

RGB(159, 56, 139)

Have a look what the booklet for  
RGB(159, 56, 139) contains.

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# Color

**RGB(159, 56, 139)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F388B
RGB	159, 56, 139
RGB Percent	62%, 22%, 55%
CMY	0.3765, 0.7804, 0.4549
CMYK	0.00, 0.65, 0.13, 0.38
HSL	312°, 48%, 42%
HSV	312°, 65%, 62%
XYZ	20.3724, 12.0634, 25.6808
YIQ	96.2590, 34.7450, 47.6490

# Conversions

## Conversions Part 2

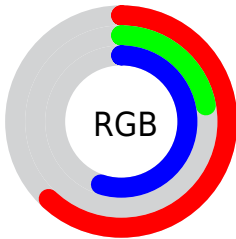
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 56, 139
Decimal	10434699
CIE <sub>Lab</sub>	41.32, 52.18, -24.75
CIE <sub>LCh</sub>	41, 57.747, 334.624
Yxy	12.0634, 0.3505, 0.2076
Android (android.graphics.Color)	4288624779 (0xFF9F388B)
YUV	96.2590, 21.0713, 55.0239
Hunter-Lab	34.7323, 43.9186, -19.5259

# Details

The RGB color **159, 56, 139** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **56, 159, 76**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **216, 110, 193**, and **104, 0, 89** is the 20% darker color. If you saturate the color by 10%, you get **159, 40, 136**, and if you desaturate by 10%, it is **159, 72, 142**.

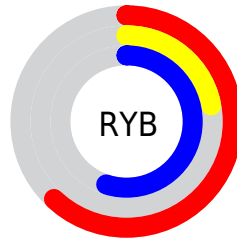
# Distribution



Red (62%)

Green (22%)

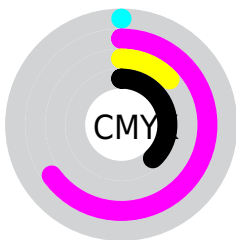
Blue (55%)



Red (62%)

Yellow (22%)

Blue (55%)

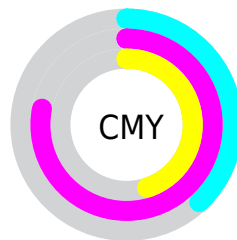


Cyan (0%)

Magenta (65%)

Yellow (13%)

Black (38%)



Cyan (38%)

Magenta (78%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 159, 56, 139 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 RGB color 159, 56, 139 by changing the saturation by 10% instead.



 159, 56, 139

 159, 56, 139

255, 255, 255

 131, 26, 113

 216, 110, 193

 104, 0, 89

 246, 137, 221

 78, 0, 65

 255, 165, 249

 54, 0, 43


 255, 193, 255

 22, 0, 21

 255, 222, 255

 0, 0, 0

 255, 251, 255

 159, 56, 139

 159, 56, 139

 159, 40, 136

 159, 72, 142

■ 159, 24, 133

■ 159, 88, 145

■ 159, 8, 130

■ 159, 104, 148

■ 159, 0, 128

■ 159, 120, 151

■ 159, 136, 154

■ 159, 151, 158

■ 159, 167, 161

■ 159, 183, 164

■ 159, 199, 167

# Harmonies

## Analogous

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



105, 81, 176



159, 56, 139



180, 42, 92

# Triad

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



159, 56, 139



112, 98, 0



0, 118, 150

# Complementary

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



159, 56, 139



56, 159, 76

# 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, 118, 104



159, 56, 139



62, 110, 0

# Square

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



159, 56, 139



149, 79, 0



0, 116, 54



0, 113, 183

# Rectangle

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



159, 56, 139



179, 49, 61



0, 116, 54



0, 118, 136



# Sweetspot

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



159, 56, 139



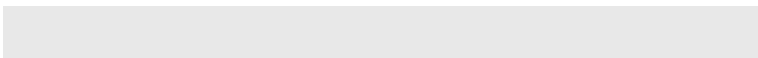
207, 167, 199



75, 56, 159



105, 81, 100



232, 232, 232



105, 105, 105



# Same Dimension

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



159, 56, 139



207, 45, 175



159, 56, 89



79, 71, 78



143, 0, 115



15, 0, 12



# Inverse Universe

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



159, 56, 139



207, 45, 175



56, 159, 126



79, 71, 78



143, 0, 115



15, 0, 12



# Previews

## White Background



This preview shows how the RGB color 159, 56, 139 looks on a white background.

## Color Contrast Check

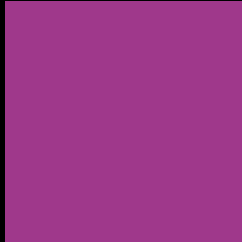
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 159, 56, 139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

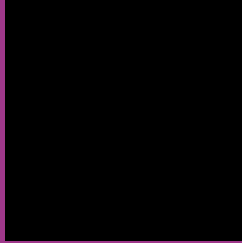
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 159, 56, 139 Background



This preview shows how black text looks on a background with the RGB color 159, 56, 139.

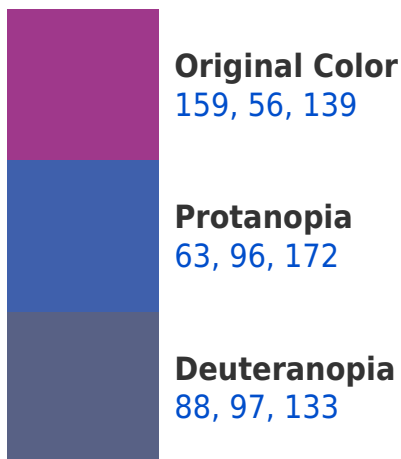


This preview shows how white text looks on a background with the RGB color 159, 56, 139.

# 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

153, 73, 78

# Trichromacy



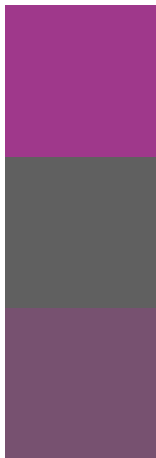
**Original Color**  
159, 56, 139

**Protanomaly**  
98, 81, 160

**Deuteranomaly**  
114, 82, 135

**Tritanomaly**  
155, 67, 100

# Monochromacy



**Original Color**  
159, 56, 139

**Achromatopsia**  
96, 96, 96

**Achromatomaly**  
119, 81, 112

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 159, 56, 139 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, 56, 139)` looks like.

```
.text, #text, p{  
    color:rgb(159, 56, 139)  
}
```

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, 56, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 56, 139) }
```

## Border

The CSS property to change the border of an element to RGB 159, 56, 139 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, 56, 139) }
```

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

```
.border{ border-color:rgb(159, 56, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 56, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 56, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 56, 139);  
box-shadow:4px 4px 4px 4px rgb(159, 56,  
139) }
```

# Background

The CSS property to change the background color of an element to RGB 159, 56, 139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 56, 139) }
```

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

```
.background{ background-color: rgb(159, 56,  
139) }
```

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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