

# Converting Colors

RGB(137, 59, 158)

Have a look what the booklet for  
RGB(137, 59, 158) contains.

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# Color

**RGB(137, 59, 158)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	893B9E
RGB	137, 59, 158
RGB Percent	54%, 23%, 62%
CMY	0.4627, 0.7686, 0.3804
CMYK	0.13, 0.63, 0.00, 0.38
HSL	287°, 46%, 43%
HSV	287°, 63%, 62%
XYZ	18.0520, 10.9149, 33.5031
YIQ	93.6080, 14.7090, 47.3250

# Conversions

## Conversions Part 2

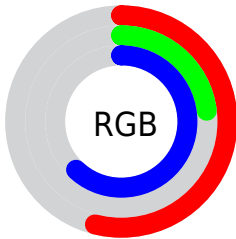
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 59, 158</a>
Decimal	<a href="#">8993694</a>
CIELab	<a href="#">39.44, 48.46, -39.44</a>
CIElCh	<a href="#">39, 62.479, 320.856</a>
Yxy	<a href="#">10.9149, 0.2890, 0.1747</a>
Android (android.graphics.Color)	<a href="#">4287183774 (0xFF893B9E)</a>
YUV	<a href="#">93.6080, 31.7453, 38.0548</a>
Hunter-Lab	<a href="#">33.0377, 39.7176, -36.9987</a>

# Details

The RGB color **137, 59, 158** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **80, 158, 59**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **193, 111, 213**, and **84, 0, 106** is the 20% darker color. If you saturate the color by 10%, you get **134, 43, 158**, and if you desaturate by 10%, it is **140, 75, 158**.

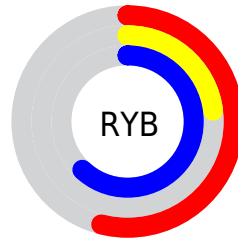
# Distribution



Red (54%)

Green (23%)

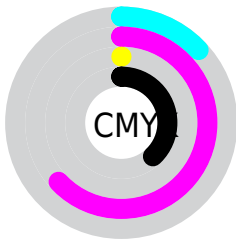
Blue (62%)



Red (54%)

Yellow (23%)

Blue (62%)

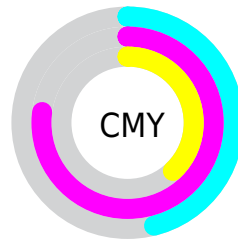


Cyan (13%)

Magenta (63%)

Yellow (0%)

Black (38%)



Cyan (46%)

Magenta (77%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 137, 59, 158 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 137, 59, 158 by changing the saturation by 10% instead.



 137, 59, 158

 137, 59, 158

255, 255, 255


 110, 32, 132

 193, 111, 213

 84, 0, 106

 222, 138, 242

 58, 0, 81

 251, 165, 255

 36, 0, 58

 255, 193, 255

 0, 0, 35

 255, 221, 255

 0, 0, 10


 255, 250, 255

 0, 0, 0

 137, 59, 158

 137, 59, 158

 134, 43, 158

 140, 75, 158

130, 27, 158

144, 91, 158

127, 12, 158

147, 106, 158

124, 0, 158

150, 122, 158

154, 138, 158

157, 154, 158

160, 170, 158

164, 185, 158

167, 201, 158

# Harmonies

## Analogous

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



42, 86, 189



137, 59, 158



174, 27, 111

# Triad

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



137, 59, 158



126, 85, 0



0, 115, 128

# Complementary

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



137, 59, 158



80, 158, 59

# 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, 114, 75



137, 59, 158



80, 101, 0

# Square

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



137, 59, 158



161, 61, 6



0, 110, 18



0, 112, 172

# Rectangle

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



137, 59, 158



181, 23, 77



0, 110, 18



0, 115, 111



# Sweetspot

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



137, 59, 158



198, 167, 207



59, 80, 158



99, 81, 105



232, 232, 232



105, 105, 105



# Same Dimension

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



137, 59, 158



174, 52, 207



158, 59, 130



77, 71, 79



113, 0, 143



12, 0, 15



# Inverse Universe

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



158, 59, 80



207, 52, 84



59, 158, 87



79, 71, 73



143, 0, 30



15, 0, 3



# Previews

## White Background



This preview shows how the RGB color 137, 59, 158 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 137, 59, 158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

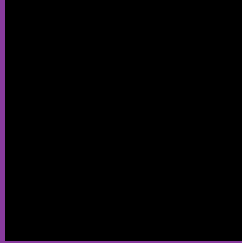
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 137, 59, 158 Background



This preview shows how black text looks on a background with the RGB color 137, 59, 158.

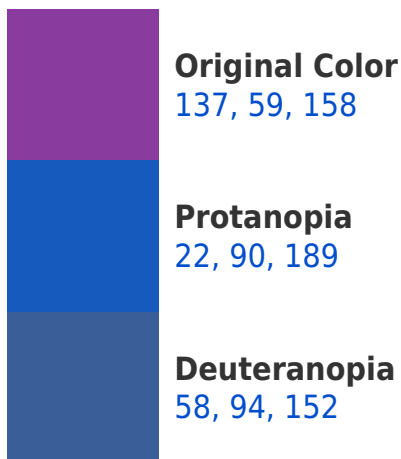


This preview shows how white text looks on a background with the RGB color 137, 59, 158.

# 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**  
127, 80, 86

# Trichromacy



**Original Color**

137, 59, 158



**Protanomaly**

64, 79, 178



**Deuteranomaly**

87, 81, 154



**Tritanomaly**

131, 72, 112

# Monochromacy



**Original Color**

137, 59, 158



**Achromatopsia**

94, 94, 94



**Achromatomaly**

110, 81, 117

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 137, 59, 158 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(137, 59, 158)` looks like.

```
.text, #text, p{  
    color:rgb(137, 59, 158)  
}
```

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(137, 59, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 59, 158) }
```

## Border

The CSS property to change the border of an element to RGB 137, 59, 158 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(137, 59, 158) }
```

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

```
.border{ border-color:rgb(137, 59, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 59, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 59, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 59, 158); box-shadow:4px 4px 4px 4px rgb(137, 59, 158) }
```

# Background

The CSS property to change the background color of an element to RGB 137, 59, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 59, 158) }
```

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

```
.background{ background-color: rgb(137, 59,  
158) }
```

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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