

# Converting Colors

RGB(129, 56, 137)

Have a look what the booklet for  
RGB(129, 56, 137) contains.

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# Color

**RGB(129, 56, 137)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	813889
RGB	129, 56, 137
RGB Percent	51%, 22%, 54%
CMY	0.4941, 0.7804, 0.4627
CMYK	0.06, 0.59, 0.00, 0.46
HSL	294°, 42%, 38%
HSV	294°, 59%, 54%
XYZ	14.9828, 9.3016, 24.6726
YIQ	87.0610, 17.5070, 40.6670

# Conversions

## Conversions Part 2

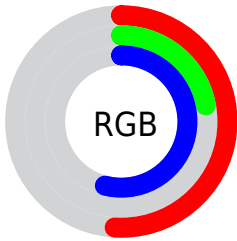
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 56, 137
Decimal	8468617
CIE <sub>Lab</sub>	36.56, 43.55, -31.31
CIE <sub>LCh</sub>	37, 53.640, 324.285
Yxy	9.3016, 0.3060, 0.1900
Android (android.graphics.Color)	4286658697 (0xFF813889)
YUV	87.0610, 24.6199, 36.7805
Hunter-Lab	30.4986, 34.3179, -26.6152

# Details

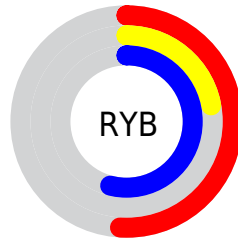
The RGB color **129, 56, 137** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **64, 137, 56**, and the grayscale version is **87, 87, 87**.

A 20% lighter version of the original color is **184, 107, 191**, and **77, 0, 87** is the 20% darker color. If you saturate the color by 10%, you get **128, 42, 137**, and if you desaturate by 10%, it is **130, 70, 137**.

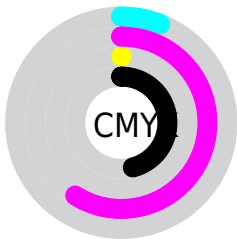
# Distribution



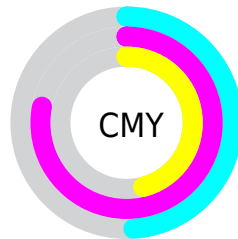
- Red (51%)
- Green (22%)
- Blue (54%)



- Red (51%)
- Yellow (22%)
- Blue (54%)



- Cyan (6%)
- Magenta (59%)
- Yellow (0%)
- Black (46%)



- Cyan (49%)
- Magenta (78%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 129, 56, 137 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 129, 56, 137 by changing the saturation by 10% instead.




 129, 56, 137

 129, 56, 137

255, 255, 255


 103, 30, 111

 184, 107, 191

 77, 0, 87

 212, 133, 219

 52, 0, 63

 241, 160, 247

 30, 0, 41

 255, 188, 255

 0, 1, 18

 255, 216, 255

 0, 0, 0

 255, 245, 255

 129, 56, 137

 129, 56, 137

 128, 42, 137

 130, 70, 137

126, 29, 137

132, 83, 137

125, 15, 137

133, 97, 137

124, 1, 137

134, 111, 137

123, 0, 137

136, 125, 137

137, 138, 137

138, 152, 137

140, 166, 137

141, 179, 137

# Harmonies

## Analogous

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



64, 78, 165



129, 56, 137



157, 36, 96

# Triad

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



129, 56, 137



112, 81, 0



0, 105, 120

# Complementary

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



129, 56, 137



64, 137, 56

# 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, 104, 76



129, 56, 137



71, 94, 0

# Square

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



129, 56, 137



142, 62, 11



0, 101, 31



0, 102, 156

# Rectangle

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



129, 56, 137



161, 36, 67



0, 101, 31



0, 105, 106



# Sweetspot

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



129, 56, 137



175, 146, 179



56, 64, 137



87, 70, 89



217, 217, 217



89, 89, 89



# Same Dimension

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



129, 56, 137



166, 52, 179



137, 56, 105



68, 62, 69



120, 0, 133



5, 0, 5



# Inverse Universe

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



137, 56, 64



179, 52, 64



56, 137, 88



69, 62, 63



133, 0, 13



5, 0, 1



# Previews

## White Background



This preview shows how the RGB color 129, 56, 137 looks on a white background.

## Color Contrast Check

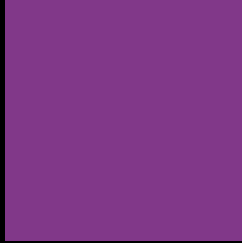
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



This preview shows how the RGB color 129, 56, 137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

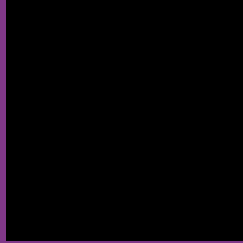
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 129, 56, 137 Background



This preview shows how black text looks on a background with the RGB color 129, 56, 137.

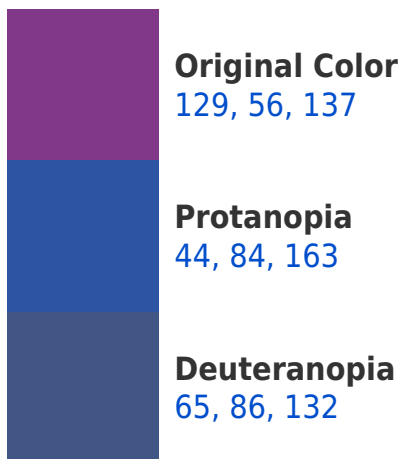


This preview shows how white text looks on a background with the RGB color 129, 56, 137.

# 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**  
121, 72, 78

# Trichromacy



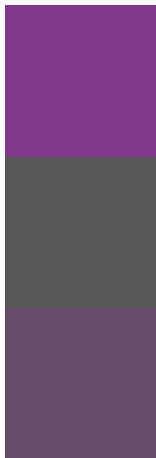
**Original Color**  
129, 56, 137

**Protanomaly**  
75, 74, 154

**Deuteranomaly**  
88, 75, 134

**Tritanomaly**  
124, 66, 99

# Monochromacy



**Original Color**  
129, 56, 137

**Achromatopsia**  
87, 87, 87

**Achromatomaly**  
102, 76, 105

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 129, 56, 137 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(129, 56, 137)` looks like.

```
.text, #text, p{  
    color:rgb(129, 56, 137)  
}
```

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(129, 56, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 56, 137) }
```

## Border

The CSS property to change the border of an element to RGB 129, 56, 137 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(129, 56, 137) }
```

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

```
.border{ border-color:rgb(129, 56, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 56, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 56, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 56, 137); box-shadow:4px 4px 4px 4px rgb(129, 56, 137) }
```

# Background

The CSS property to change the background color of an element to RGB 129, 56, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 56, 137) }
```

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

```
.background{ background-color: rgb(129, 56,  
137) }
```

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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