

# Converting Colors

RGB(168, 97, 153)

Have a look what the booklet for  
RGB(168, 97, 153) contains.

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**Color**

**RGB(168, 97, 153)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A86199
RGB	168, 97, 153
RGB Percent	66%, 38%, 60%
CMY	0.3412, 0.6196, 0.4000
CMYK	0.00, 0.42, 0.09, 0.34
HSL	313°, 29%, 52%
HSV	313°, 42%, 66%
XYZ	26.1729, 19.1741, 32.4585
YIQ	124.6130, 24.3400, 32.4680

# Conversions

## Conversions Part 2

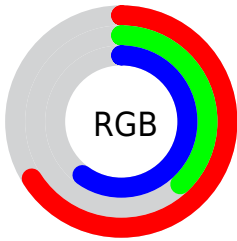
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 97, 153
Decimal	11035033
CIELab	50.89, 36.97, -18.28
CIELCh	51, 41.243, 333.696
Yxy	19.1741, 0.3364, 0.2464
Android (android.graphics.Color)	4289225113 (0xFFA86199)
YUV	124.6130, 13.9948, 38.0504
Hunter-Lab	43.7883, 30.0627, -13.2975

# Details

The RGB color **168, 97, 153** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **97, 168, 112**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **224, 149, 207**, and **114, 47, 102** is the 20% darker color. If you saturate the color by 10%, you get **168, 80, 149**, and if you desaturate by 10%, it is **168, 114, 157**.

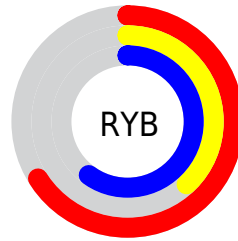
# Distribution



Red (66%)

Green (38%)

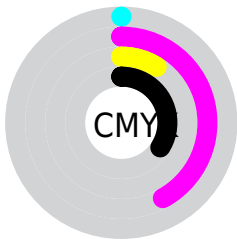
Blue (60%)



Red (66%)

Yellow (38%)

Blue (60%)

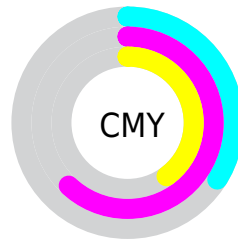


Cyan (0%)

Magenta (42%)

Yellow (9%)

Black (34%)



Cyan (34%)

Magenta (62%)

Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the RGB color 168, 97, 153 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 168, 97, 153 by changing the saturation by 10% instead.



 168, 97, 153


255, 255, 255


 224, 149, 207

 254, 176, 236

 255, 204, 255

 255, 233, 255

 168, 97, 153

 141, 72, 127

 114, 47, 102

 89, 22, 78

 64, 0, 55


 43, 0, 34


 0, 0, 6

 0, 0, 0

 168, 97, 153

 168, 80, 149

 168, 97, 153

 168, 114, 157

168, 63, 146

168, 131, 160

168, 47, 142

168, 147, 164

168, 30, 139

168, 164, 167

168, 13, 135

168, 181, 171

168, 0, 133

168, 198, 174

168, 215, 178

168, 231, 181

168, 248, 185

# Harmonies

## Analogous

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



129, 110, 180



168, 97, 153



186, 91, 118

# Triad

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



168, 97, 153



137, 121, 48



0, 138, 159

# Complementary

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



168, 97, 153



97, 168, 112

# 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, 139, 125



168, 97, 153



101, 130, 60

# Square

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



168, 97, 153



166, 108, 58



52, 136, 89



0, 133, 184

# Rectangle

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



168, 97, 153



187, 93, 95



52, 136, 89



0, 139, 148



# Sweetspot

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



168, 97, 153



219, 191, 213



111, 97, 168



110, 92, 106



237, 237, 237



110, 110, 110



# Same Dimension

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



168, 97, 153



219, 107, 196



168, 97, 118



84, 76, 82



148, 0, 117



20, 0, 16



# Inverse Universe

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



168, 97, 153



219, 107, 196



97, 168, 147



84, 76, 82



148, 0, 117



20, 0, 16



# Previews

## White Background



This preview shows how the RGB color 168, 97, 153 looks on a white background.

## Color Contrast Check

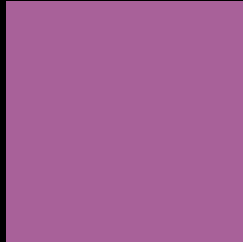
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 168, 97, 153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

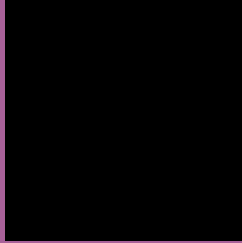
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RGB 168, 97, 153 Background



This preview shows how black text looks on a background with the RGB color 168, 97, 153.

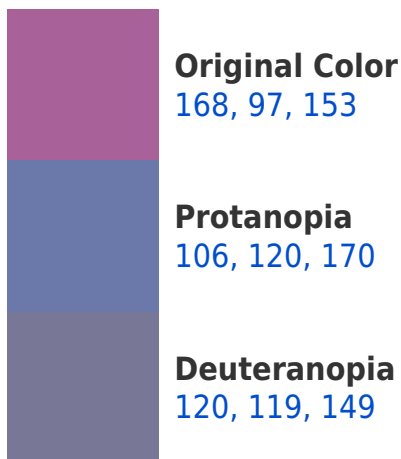



This preview shows how white text looks on a background with the RGB color 168, 97, 153.

# 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**  
163, 105, 113

# Trichromacy



**Original Color**  
168, 97, 153

**Protanomaly**  
129, 112, 164

**Deuteranomaly**  
137, 111, 150

**Tritanomaly**  
165, 102, 128

# Monochromacy



**Original Color**  
168, 97, 153

**Achromatopsia**  
125, 125, 125

**Achromatomaly**  
141, 115, 135

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 168, 97, 153 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(168, 97, 153) looks like.

```
.text, #text, p{  
    color:rgb(168, 97, 153)  
}
```

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(168, 97, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 97, 153) }
```

## Border

The CSS property to change the border of an element to RGB 168, 97, 153 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(168, 97, 153) }
```

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

```
.border{ border-color:rgb(168, 97, 153) }
```

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

Here you see how a box with a 4 pixel rgb(168, 97, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 97, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 97, 153);  
box-shadow:4px 4px 4px 4px rgb(168, 97,  
153) }
```

# Background

The CSS property to change the background color of an element to RGB 168, 97, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 97, 153) }
```

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

```
.background{ background-color: rgb(168, 97,  
153) }
```

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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