

# Converting Colors

RGB(176, 85, 136)

Have a look what the booklet for  
RGB(176, 85, 136) contains.

<b>RGB(176, 85, 136)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**RGB(176, 85, 136)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B05588
RGB	176, 85, 136
RGB Percent	69%, 33%, 53%
CMY	0.3098, 0.6667, 0.4667
CMYK	0.00, 0.52, 0.23, 0.31
HSL	326°, 37%, 51%
HSV	326°, 52%, 69%
XYZ	25.5969, 17.5047, 25.3222
YIQ	118.0230, 37.8650, 35.1530

# Conversions

## Conversions Part 2

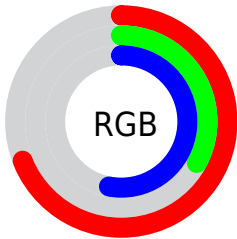
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 85, 136
Decimal	11556232
CIE <sub>Lab</sub>	48.89, 43.19, -11.11
CIE <sub>LCh</sub>	49, 44.599, 345.571
Yxy	17.5047, 0.3741, 0.2558
Android (android.graphics.Color)	4289746312 (0xFFB05588)
YUV	118.0230, 8.8627, 50.8458
Hunter-Lab	41.8386, 35.9891, -6.5974

# Details

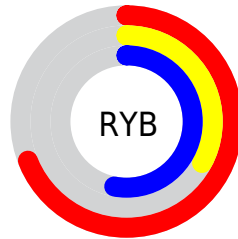
The RGB color **176, 85, 136** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **85, 176, 125**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **234, 138, 189**, and **121, 33, 86** is the 20% darker color. If you saturate the color by 10%, you get **176, 67, 128**, and if you desaturate by 10%, it is **176, 103, 144**.

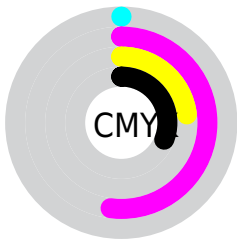
# Distribution



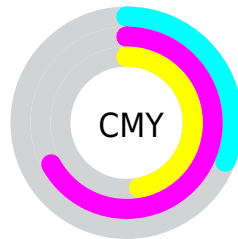
- Red (69%)
- Green (33%)
- Blue (53%)



- Red (69%)
- Yellow (33%)
- Blue (53%)



- Cyan (0%)
- Magenta (52%)
- Yellow (23%)
- Black (31%)



- Cyan (31%)
- Magenta (67%)
- Yellow (47%)

# Brightness & Saturation Gradients


These gradients show how the RGB color 176, 85, 136 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 176, 85, 136 by changing the saturation by 10% instead.



 176, 85, 136

255, 255, 255

 234, 138, 189


 255, 165, 217


 255, 193, 246

 255, 221, 255

 255, 250, 255

 176, 85, 136

 148, 59, 111

 121, 33, 86

 94, 0, 63

 68, 0, 41

 46, 0, 21

 0, 0, 0

 176, 85, 136


 176, 67, 128

 176, 50, 121


 176, 85, 136


 176, 103, 144

 176, 120, 151


 176, 32, 113

 176, 138, 159

 176, 15, 105

 176, 155, 167

 176, 0, 99

 176, 173, 175

 176, 191, 182

 176, 208, 190

 176, 226, 198

 176, 243, 206

# Harmonies

## Analogous

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



144, 98, 169



176, 85, 136



186, 83, 98

# Triad

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



176, 85, 136



118, 120, 38



0, 132, 169

# Complementary

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



176, 85, 136



85, 176, 125

# 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, 135, 135



176, 85, 136



75, 129, 61

# Square

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



176, 85, 136



152, 108, 40



0, 134, 96



0, 125, 189

# Rectangle

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



176, 85, 136



182, 89, 74



0, 134, 96



0, 134, 159



# Sweetspot

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



176, 85, 136



230, 193, 213



124, 85, 176



115, 93, 105



242, 242, 242



115, 115, 115



# Same Dimension

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



176, 85, 136



230, 87, 167



176, 85, 91



89, 80, 85



153, 0, 86



26, 0, 14



# Inverse Universe

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



176, 85, 136



230, 87, 167



85, 176, 170



89, 80, 85



153, 0, 86



26, 0, 14



# Previews

## White Background



This preview shows how the RGB color 176, 85, 136 looks on a white background.

## Color Contrast Check

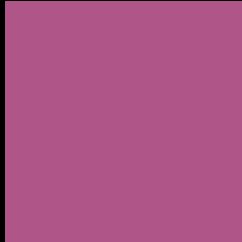
Large Text (above 18pt) WCAG AA ✓ Pass

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 176, 85, 136 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 176, 85, 136 Background



This preview shows how black text looks on a background with the RGB color 176, 85, 136.



This preview shows how white text looks on a background with the RGB color 176, 85, 136.

# 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**  
176, 85, 136

**Protanopia**  
105, 115, 157

**Deuteranopia**  
121, 114, 131



**Tritanopia**  
172, 93, 99

# Trichromacy



**Original Color**  
176, 85, 136

**Protanomaly**  
131, 104, 149

**Deuteranomaly**  
141, 103, 133

**Tritanomaly**  
173, 90, 112

# Monochromacy



**Original Color**  
176, 85, 136

**Achromatopsia**  
118, 118, 118

**Achromatomaly**  
139, 106, 125

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 176, 85, 136 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(176, 85, 136)` looks like.

```
.text, #text, p{  
    color:rgb(176, 85, 136)  
}
```

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(176, 85, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 85, 136) }
```

## Border

The CSS property to change the border of an element to RGB 176, 85, 136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

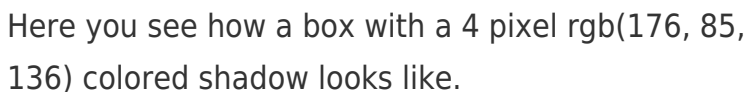
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 85, 136) }
```

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

```
.border{ border-color:rgb(176, 85, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 85, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 85, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 85, 136); box-shadow:4px 4px 4px 4px rgb(176, 85, 136) }
```

# Background

The CSS property to change the background color of an element to RGB 176, 85, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 85, 136) }
```

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

```
.background{ background-color: rgb(176, 85,  
136) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor