

# Converting Colors

RGB(170, 81, 133)

Have a look what the booklet for  
RGB(170, 81, 133) contains.

<b>RGB(170, 81, 133)</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(170, 81, 133)**

# Conversions

Conversions Part 1	
Format	Color
Hex	AA5185
RGB	170, 81, 133
RGB Percent	67%, 32%, 52%
CMY	0.3333, 0.6824, 0.4784
CMYK	0.00, 0.52, 0.22, 0.33
HSL	325°, 35%, 49%
HSV	325°, 52%, 67%
XYZ	23.7536, 16.1244, 24.0507
YIQ	113.5390, 36.3520, 35.0400

# Conversions

## Conversions Part 2

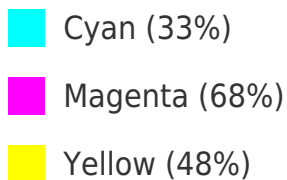
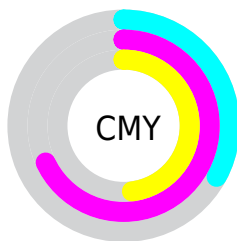
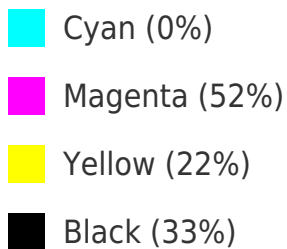
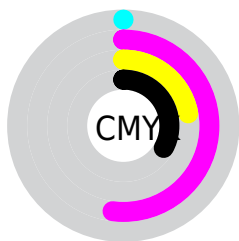
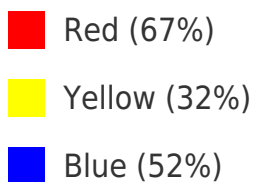
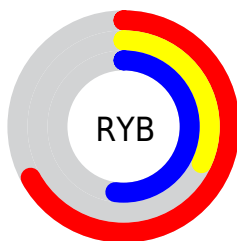
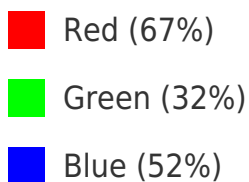
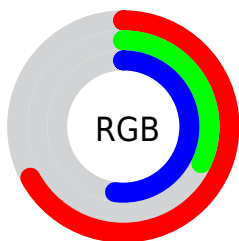
Format	Color
<a href="#">RYB</a>	<a href="#">170, 81, 133</a>
Decimal	<a href="#">11161989</a>
CIELab	<a href="#">47.14, 42.80, -12.04</a>
CIELCh	<a href="#">47, 44.463, 344.288</a>
Yxy	<a href="#">16.1244, 0.3716, 0.2522</a>
Android (android.graphics.Color)	<a href="#">4289352069</a> (0xFFAA5185)
YUV	<a href="#">113.5390, 9.5943, 49.5163</a>
Hunter-Lab	<a href="#">40.1552, 35.3195, -7.4027</a>

# Details

The RGB color **170, 81, 133** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **81, 170, 118**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **227, 133, 186**, and **115, 28, 83** is the 20% darker color. If you saturate the color by 10%, you get **170, 64, 126**, and if you desaturate by 10%, it is **170, 98, 140**.

# Distribution




# Brightness & Saturation Gradients

These gradients show how the RGB color 170, 81, 133 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 170, 81, 133 by changing the saturation by 10% instead.



 170, 81, 133

255, 255, 255


 227, 133, 186

 255, 161, 214

 255, 188, 242

 255, 217, 255

 255, 246, 255

 170, 81, 133

 142, 55, 108


 115, 28, 83

 89, 0, 60


 63, 0, 38


 40, 0, 17

 0, 0, 0


 170, 81, 133

 170, 64, 126

 170, 47, 119


 170, 81, 133


 170, 98, 140

 170, 115, 147


 170, 30, 112


 170, 132, 154

 170, 13, 105

 170, 149, 161

 170, 0, 99

 170, 166, 168

 170, 183, 175

 170, 200, 182

 170, 217, 190

 170, 234, 197

# Harmonies

## Analogous

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



137, 94, 166



170, 81, 133



181, 78, 95

# Triad

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



170, 81, 133



115, 115, 33



0, 128, 163

# Complementary

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



170, 81, 133



81, 170, 118

# 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, 130, 129



170, 81, 133



73, 124, 55

# Square

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



170, 81, 133



148, 103, 37



0, 129, 90



0, 121, 183

# Rectangle

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



170, 81, 133



177, 84, 72



0, 129, 90



0, 129, 153



# Sweetspot

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



170, 81, 133



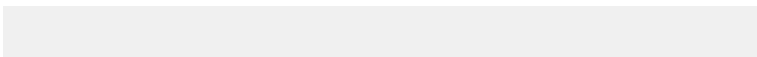
222, 186, 207



117, 81, 170



112, 91, 103



240, 240, 240



112, 112, 112



# Same Dimension

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



170, 81, 133



222, 82, 164



170, 81, 90



84, 76, 81



148, 0, 86



20, 0, 12



# Inverse Universe

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



170, 81, 133



222, 82, 164



81, 170, 161



84, 76, 81



148, 0, 86

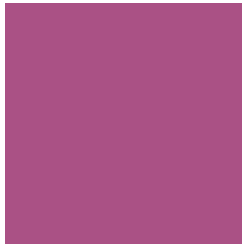


20, 0, 12



# Previews

## White Background



This preview shows how the RGB color 170, 81, 133 looks on a white background.

## Color Contrast Check

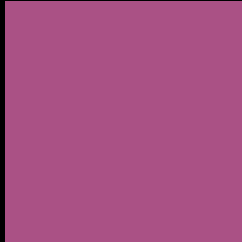
Large Text (above 18pt) WCAG AA ✓ Pass

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 170, 81, 133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

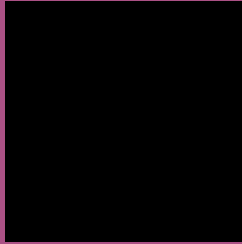
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 170, 81, 133 Background



This preview shows how black text looks on a background with the RGB color 170, 81, 133.



This preview shows how white text looks on a background with the RGB color 170, 81, 133.

# 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**

170, 81, 133

**Protanopia**

100, 111, 154

**Deuteranopia**

116, 109, 128



# Tritanopia

166, 89, 95

# Trichromacy



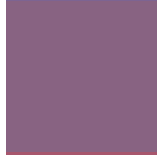
**Original Color**

170, 81, 133



**Protanomaly**

125, 100, 146



**Deuteranomaly**

136, 99, 130



**Tritanomaly**

167, 86, 109

# Monochromacy



**Original Color**

170, 81, 133



**Achromatopsia**

114, 114, 114



**Achromatomaly**

134, 102, 121

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 170, 81, 133 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(170, 81, 133) looks like.

```
.text, #text, p{  
    color:rgb(170, 81, 133)  
}
```

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(170, 81, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 81, 133) }
```

## Border

The CSS property to change the border of an element to RGB 170, 81, 133 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(170, 81, 133) }
```

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

```
.border{ border-color:rgb(170, 81, 133) }
```

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

Here you see how a box with a 4 pixel rgb(170, 81, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 81, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 81, 133);  
box-shadow:4px 4px 4px 4px rgb(170, 81,  
133) }
```

# Background

The CSS property to change the background color of an element to RGB 170, 81, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(170, 81, 133) }
```

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

```
.background{ background-color:rgb(170, 81,  
133) }
```

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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