

# Converting Colors

RGB(177, 33, 164)

Have a look what the booklet for  
RGB(177, 33, 164) contains.

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# Color

**RGB(177, 33, 164)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B121A4
RGB	177, 33, 164
RGB Percent	69%, 13%, 64%
CMY	0.3059, 0.8706, 0.3569
CMYK	0.00, 0.81, 0.07, 0.31
HSL	305°, 69%, 41%
HSV	305°, 81%, 69%
XYZ	25.3762, 13.1152, 36.3160
YIQ	90.9900, 43.7730, 71.2690

# Conversions

## Conversions Part 2

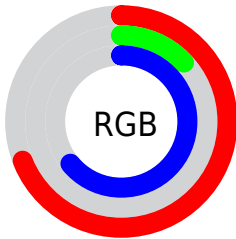
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 33, 164
Decimal	11608484
CIE <sub>Lab</sub>	42.94, 67.92, -37.09
CIE <sub>LCh</sub>	43, 77.387, 331.365
Yxy	13.1152, 0.3392, 0.1753
Android (android.graphics.Color)	4289798564 (0xFFB121A4)
YUV	90.9900, 35.9939, 75.4308
Hunter-Lab	36.2149, 61.7009, -34.1051

# Details

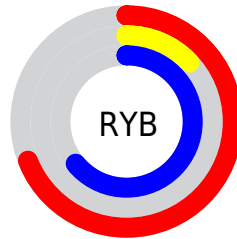
The RGB color **177, 33, 164** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **33, 177, 46**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **236, 97, 219**, and **120, 0, 112** is the 20% darker color. If you saturate the color by 10%, you get **177, 15, 162**, and if you desaturate by 10%, it is **177, 51, 166**.

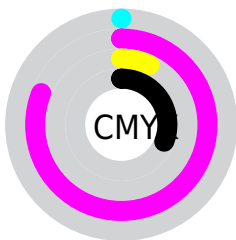
# Distribution



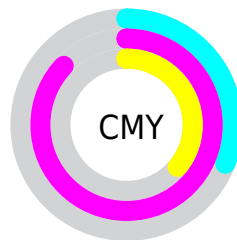
- Red (69%)
- Green (13%)
- Blue (64%)



- Red (69%)
- Yellow (13%)
- Blue (64%)



- Cyan (0%)
- Magenta (81%)
- Yellow (7%)
- Black (31%)



- Cyan (31%)
- Magenta (87%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 177, 33, 164 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 177, 33, 164 by changing the saturation by 10% instead.



 177, 33, 164

 177, 33, 164

255, 255, 255

 148, 0, 137

 236, 97, 219

 120, 0, 112

 255, 126, 248

 92, 0, 87

 255, 154, 255

 66, 0, 63

 255, 183, 255

 39, 0, 40

 255, 212, 255

 0, 1, 17

 255, 242, 255

 0, 0, 0

 177, 33, 164

 177, 33, 164

 177, 15, 162

 177, 51, 166

■ 177, 0, 161

■ 177, 68, 167

■ 177, 86, 169

■ 177, 104, 170

■ 177, 122, 172

■ 177, 139, 174

■ 177, 157, 175

■ 177, 175, 177

■ 177, 192, 178

# Harmonies

## Analogous

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



92, 82, 213



177, 33, 164



208, 0, 102

# Triad

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



177, 33, 164



122, 100, 0



0, 127, 167

# Complementary

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



177, 33, 164



33, 177, 46

# 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, 127, 103



177, 33, 164



54, 116, 0

# Square

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



177, 33, 164



170, 72, 0



0, 124, 32



0, 123, 215

# Rectangle

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



177, 33, 164



207, 0, 60



0, 124, 32



0, 127, 147



# Sweetspot

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



177, 33, 164



230, 174, 225



45, 33, 177



115, 81, 112



242, 242, 242



115, 115, 115



# Same Dimension

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



177, 33, 164



230, 5, 209



177, 33, 93



89, 80, 88



153, 0, 139



26, 0, 23



# Inverse Universe

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



177, 33, 164



230, 5, 209



33, 177, 117



89, 80, 88



153, 0, 139



26, 0, 23



# Previews

## White Background



This preview shows how the RGB color 177, 33, 164 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 177, 33, 164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

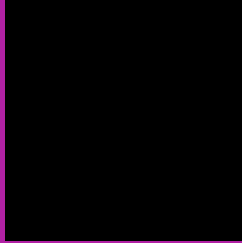
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 177, 33, 164 Background



This preview shows how black text looks on a background with the RGB color 177, 33, 164.

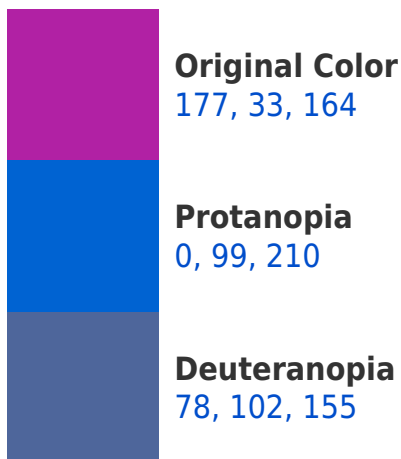


This preview shows how white text looks on a background with the RGB color 177, 33, 164.

# 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**  
168, 70, 74

# Trichromacy



**Original Color**

177, 33, 164



**Protanomaly**

64, 75, 193



**Deuteranomaly**

114, 77, 158



**Tritanomaly**

171, 57, 107

# Monochromacy



**Original Color**

177, 33, 164



**Achromatopsia**

91, 91, 91



**Achromatomaly**

122, 70, 118

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 177, 33, 164 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(177, 33, 164)` looks like.

```
.text, #text, p{  
    color:rgb(177, 33, 164)  
}
```

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(177, 33, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 33, 164) }
```

## Border

The CSS property to change the border of an element to RGB 177, 33, 164 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(177, 33, 164) }
```

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

```
.border{ border-color:rgb(177, 33, 164) }
```

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

Here you see how a box with a 4 pixel rgb(177, 33, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 33, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 33, 164);  
box-shadow:4px 4px 4px 4px rgb(177, 33,  
164) }
```

# Background

The CSS property to change the background color of an element to RGB 177, 33, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 33, 164) }
```

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

```
.background{ background-color: rgb(177, 33,  
164) }
```

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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