

# Converting Colors

RGB(180, 72, 164)

Have a look what the booklet for  
RGB(180, 72, 164) contains.

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# Color

**RGB(180, 72, 164)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B448A4
RGB	180, 72, 164
RGB Percent	71%, 28%, 64%
CMY	0.2941, 0.7176, 0.3569
CMYK	0.00, 0.60, 0.09, 0.29
HSL	309°, 43%, 49%
HSV	309°, 60%, 71%
XYZ	27.8406, 17.0184, 36.9395
YIQ	114.7800, 34.8360, 51.5080

# Conversions

## Conversions Part 2

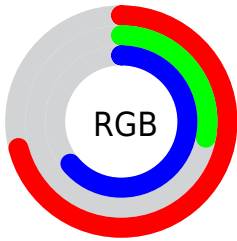
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 72, 164
Decimal	11815076
CIELab	48.28, 54.98, -28.66
CIElCh	48, 61.998, 332.470
Yxy	17.0184, 0.3404, 0.2081
Android (android.graphics.Color)	4290005156 (0xFFB448A4)
YUV	114.7800, 24.2655, 57.1979
Hunter-Lab	41.2533, 48.2708, -24.2127

# Details

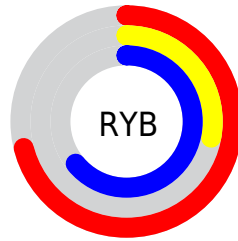
The RGB color **180, 72, 164** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **72, 180, 88**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **238, 126, 219**, and **124, 5, 112** is the 20% darker color. If you saturate the color by 10%, you get **180, 54, 161**, and if you desaturate by 10%, it is **180, 90, 167**.

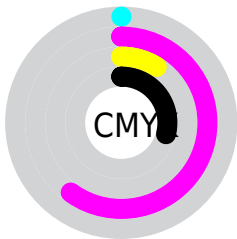
# Distribution



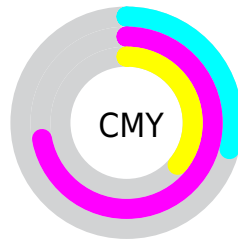
- Red (71%)
- Green (28%)
- Blue (64%)



- Red (71%)
- Yellow (28%)
- Blue (64%)



- Cyan (0%)
- Magenta (60%)
- Yellow (9%)
- Black (29%)



- Cyan (29%)
- Magenta (72%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 180, 72, 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 180, 72, 164 by changing the saturation by 10% instead.





180, 72, 164



180, 72, 164

255, 255, 255



152, 44, 137



238, 126, 219



124, 5, 112



255, 154, 248



97, 0, 87



255, 182, 255



71, 0, 63



255, 211, 255



47, 0, 41



255, 240, 255



2, 0, 19



0, 0, 0



180, 72, 164




180, 72, 164




180, 54, 161




180, 90, 167


 180, 36, 159


 180, 108, 169


 180, 18, 156


 180, 126, 172

 180, 0, 153

 180, 144, 175

 180, 162, 177

 180, 180, 180

 180, 198, 183

 180, 216, 185

 180, 234, 188

# Harmonies

## Analogous

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



118, 99, 204



180, 72, 164



205, 56, 113

# Triad

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



180, 72, 164



134, 114, 0



0, 138, 170

# Complementary

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



180, 72, 164



72, 180, 88

# 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, 138, 118



180, 72, 164



81, 127, 1

# Square

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



180, 72, 164



175, 93, 8



0, 135, 63



0, 132, 208

# Rectangle

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



180, 72, 164



206, 62, 78



0, 135, 63



0, 138, 153



# Sweetspot

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



180, 72, 164



235, 192, 228



86, 72, 180



117, 91, 113



245, 245, 245



117, 117, 117



# Same Dimension

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



180, 72, 164



235, 66, 210



180, 72, 112



89, 80, 88



153, 0, 130



26, 0, 22



# Inverse Universe

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



180, 72, 164



235, 66, 210



72, 180, 140



89, 80, 88



153, 0, 130



26, 0, 22



# Previews

## White Background



This preview shows how the RGB color 180, 72, 164 looks on a white background.

## Color Contrast Check

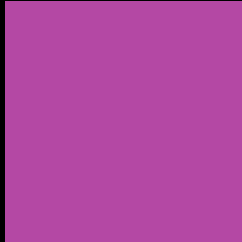
Large Text (above 18pt) WCAG AA ✓ Pass

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 180, 72, 164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

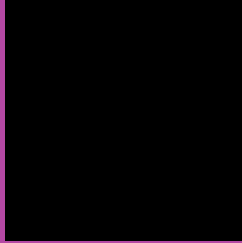
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 180, 72, 164 Background



This preview shows how black text looks on a background with the RGB color 180, 72, 164.

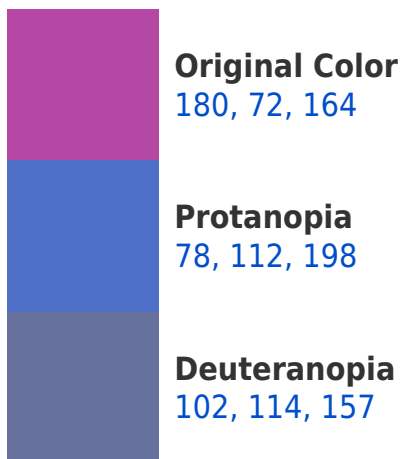


This preview shows how white text looks on a background with the RGB color 180, 72, 164.

# 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**  
173, 90, 96

# Trichromacy



**Original Color**

180, 72, 164



**Protanomaly**

115, 97, 186



**Deuteranomaly**

130, 99, 160



**Tritanomaly**

176, 83, 121

# Monochromacy



**Original Color**

180, 72, 164



**Achromatopsia**

115, 115, 115



**Achromatomaly**

139, 99, 133

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 180, 72, 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(180, 72, 164)` looks like.

```
.text, #text, p{  
    color:rgb(180, 72, 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(180, 72, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 72, 164) }
```

## Border

The CSS property to change the border of an element to RGB 180, 72, 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(180, 72, 164) }
```

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

```
.border{ border-color:rgb(180, 72, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 72, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 72, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 72, 164);  
box-shadow:4px 4px 4px 4px rgb(180, 72,  
164) }
```

# Background

The CSS property to change the background color of an element to RGB 180, 72, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 72, 164) }
```

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

```
.background{ background-color: rgb(180, 72,  
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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