

# Converting Colors

`RYB(176, 84, 173)`

Have a look what the booklet for  
RYB(176, 84, 173) contains.

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# Color

**R<sub>Y</sub>B(176, 84, 173)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B054AD
RGB	176, 84, 173
RGB Percent	69%, 33%, 68%
CMY	0.3098, 0.6706, 0.3216
CMYK	0.00, 0.52, 0.02, 0.31
HSL	302°, 37%, 51%
HSV	302°, 52%, 69%
XYZ	28.6176, 18.5879, 41.6147
YIQ	121.6540, 26.2630, 47.1830

# Conversions

## Conversions Part 2

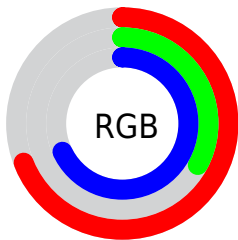
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 84, 173
Decimal	11556013
CIE <sub>Lab</sub>	50.20, 49.77, -31.00
CIE <sub>LCh</sub>	50, 58.635, 328.082
Yxy	18.5879, 0.3222, 0.2093
Android (android.graphics.Color)	4289746093 (0xFFB054AD)
YUV	121.6540, 25.3136, 47.6614
Hunter-Lab	43.1137, 43.0344, -27.0490

# Details

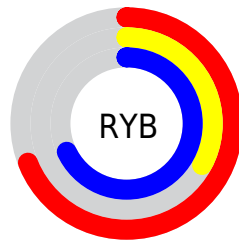
The RYB color **176, 84, 173** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **84, 173, 176**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **234, 137, 229**, and **121, 29, 120** is the 20% darker color. If you saturate the color by 10%, you get **176, 66, 172**, and if you desaturate by 10%, it is **176, 102, 174**.

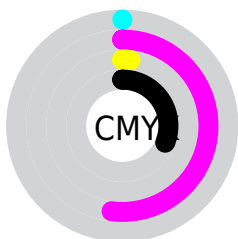
# Distribution



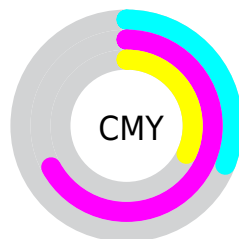
- Red (69%)
- Green (33%)
- Blue (68%)



- Red (69%)
- Yellow (33%)
- Blue (68%)



- Cyan (0%)
- Magenta (52%)
- Yellow (2%)
- Black (31%)



- Cyan (31%)
- Magenta (67%)
- Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 176, 84, 173 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 RYB color 176, 84, 173 by changing the saturation by 10% instead.



 176, 84, 173

255, 255, 255

 234, 137, 229

 255, 165, 255


 255, 193, 255

 255, 221, 255

 255, 250, 255

 176, 84, 173

 148, 58, 146

 121, 29, 120

 94, 0, 95

 68, 0, 71

 47, 0, 48

 3, 0, 26

 0, 0, 0

 176, 84, 173


 176, 66, 172

 176, 84, 173


 176, 102, 174


 176, 49, 172

 176, 119, 174

 176, 31, 171


 176, 137, 175

 176, 14, 171

 176, 154, 175

 176, 0, 170

 176, 172, 176

 176, 190, 190

 176, 206, 207

 176, 223, 225

 176, 240, 242

# Harmonies

## Analogous

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



111, 108, 208



176, 84, 173



205, 68, 125

# Triad

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



176, 84, 173



38, 146, 0



0, 76, 165

# Complementary

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



176, 84, 173



84, 173, 176

# 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, 78, 142



176, 84, 173



14, 130, 47

# Square

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



176, 84, 173



183, 145, 31



0, 95, 138



0, 82, 204

# Rectangle

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



176, 84, 173



208, 70, 92



0, 95, 138



0, 73, 149



# Sweetspot

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



176, 84, 173



230, 193, 228



86, 84, 176



115, 93, 114



242, 242, 242



115, 115, 115



# Same Dimension

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



176, 84, 173



230, 85, 225



176, 84, 128



89, 80, 89



153, 0, 148



26, 0, 25



# Inverse Universe

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



176, 84, 173



230, 85, 225



84, 144, 176



89, 80, 89



153, 0, 148

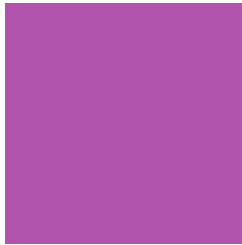


26, 0, 25



# Previews

## White Background



This preview shows how the RYB color 176, 84, 173 looks on a white background.

## Color Contrast Check

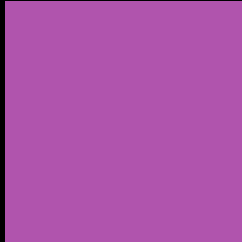
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RYB color 176, 84, 173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

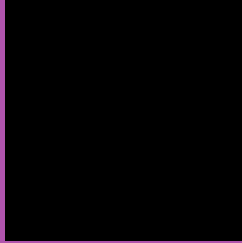
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 176, 84, 173 Background**



This preview shows how black text looks on a background with the RYB color 176, 84, 173.

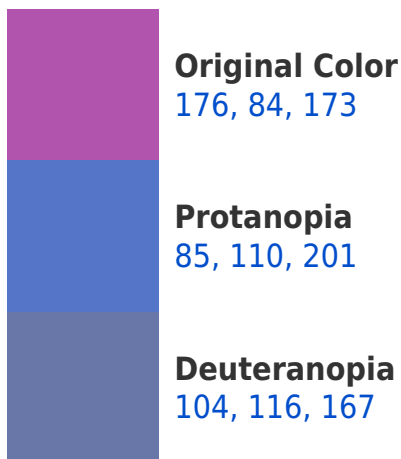


This preview shows how white text looks on a background with the RYB color 176, 84, 173.

# 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, 100, 108

# Trichromacy



**Original Color**

176, 84, 173



**Protanomaly**

118, 105, 191



**Deuteranomaly**

130, 106, 169



**Tritanomaly**

171, 94, 132

# Monochromacy



**Original Color**

176, 84, 173



**Achromatopsia**

122, 122, 122



**Achromatomaly**

142, 108, 141

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 176, 84, 173 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, 84, 173)` looks like.

```
.text, #text, p{  
    color:rgb(176, 84, 173)  
}
```

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, 84, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 84, 173) }
```

## Border

The CSS property to change the border of an element to RYB 176, 84, 173 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, 84, 173) }
```

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

```
.border{ border-color:rgb(176, 84, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 84, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 84, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 84, 173);  
box-shadow:4px 4px 4px 4px rgb(176, 84,  
173) }
```

# Background

The CSS property to change the background color of an element to RGB 176, 84, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 84, 173) }
```

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

```
.background{ background-color: rgb(176, 84,  
173) }
```

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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