

Converting Colors

`RYB(205, 78, 177)`

Have a look what the booklet for RYB(205, 78, 177) contains.

RYB(205, 78, 177)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(205, 78, 177)

Conversions

Conversions Part 1

Format	Color
Hex	CD4EB1
RGB	205, 78, 177
RGB Percent	80%, 31%, 69%
CMY	0.1961, 0.6941, 0.3059
CMYK	0.00, 0.62, 0.14, 0.20
HSL	313°, 56%, 55%
HSV	313°, 62%, 80%
XYZ	35.8370, 21.6022, 43.8758
YIQ	127.2590, 43.9130, 57.7130

Conversions

Conversions Part 2

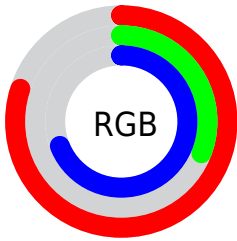
Format	Color
R_{YB}	205, 78, 177
Decimal	13455025
CIE _{Lab}	53.60, 61.21, -27.72
CIE _{LCh}	54, 67.191, 335.634
Yxy	21.6022, 0.3537, 0.2132
Android (android.graphics.Color)	4291645105 (0xFFCD4EB1)
YUV	127.2590, 24.5223, 68.1789
Hunter-Lab	46.4782, 56.2956, -23.4355

Details

The RYB color **205, 78, 177** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **78, 182, 205**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **255, 134, 233**, and **147, 5, 124** is the 20% darker color. If you saturate the color by 10%, you get **205, 58, 172**, and if you desaturate by 10%, it is **205, 99, 182**.

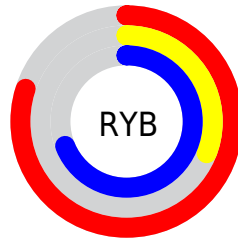
Distribution



Red (80%)

Green (31%)

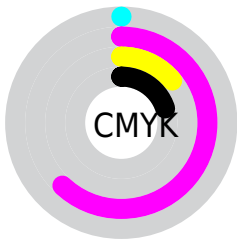
Blue (69%)



Red (80%)

Yellow (31%)

Blue (69%)

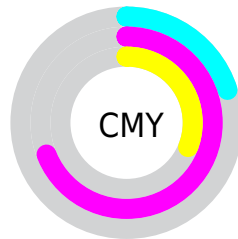


Cyan (0%)

Magenta (62%)

Yellow (14%)

Black (20%)



Cyan (20%)


Magenta (69%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 78, 177 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 205, 78, 177 by changing the saturation by 10% instead.

 205, 78, 177

255, 255, 255

 255, 134, 233

 255, 162, 255

 255, 191, 255

 255, 220, 255

 255, 249, 255

 205, 78, 177

 176, 48, 150

 147, 5, 124

 119, 0, 99

 92, 0, 75

 66, 0, 52

 39, 0, 30

 0, 0, 0

 205, 78, 177

 205, 58, 172

 205, 78, 177

 205, 99, 182

■ 205, 37, 168

■ 205, 119, 186

■ 205, 16, 163

■ 205, 139, 191

■ 205, 0, 160

■ 205, 160, 195

■ 205, 181, 200

■ 205, 201, 204

■ 205, 219, 222

■ 205, 235, 242

■ 205, 245, 255

Harmonies

Analogous

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



141, 107, 223



205, 78, 177



229, 63, 120

Triad

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



205, 78, 177



17, 144, 0



0, 86, 194

Complementary

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



205, 78, 177



78, 182, 205

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, 81, 154



205, 78, 177



12, 143, 72

Square

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



205, 78, 177



150, 191, 0



0, 100, 151



0, 90, 234

Rectangle

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



205, 78, 177



228, 72, 82



0, 100, 151



0, 82, 177

Sweetspot

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



205, 78, 177



255, 207, 244



106, 78, 205



128, 98, 121



0, 0, 0



128, 128, 128

Same Dimension

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



205, 78, 177



255, 66, 213



205, 78, 114



102, 92, 100



166, 0, 129



38, 0, 30

Inverse Universe

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



205, 78, 177



255, 66, 213



78, 152, 205



102, 92, 100



166, 0, 129



38, 0, 30

Previews

White Background



This preview shows how the RYB color 205, 78, 177 looks on a white background.

Color Contrast Check

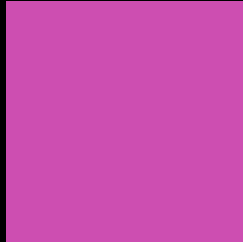
Large Text (above 18pt) WCAG AA ✓ Pass

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 205, 78, 177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

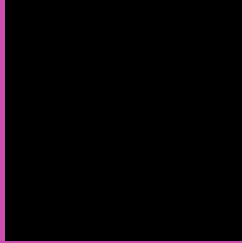
Any Text WCAG AA ✓ Pass

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 205, 78, 177 Background



This preview shows how black text looks on a background with the RYB color 205, 78, 177.

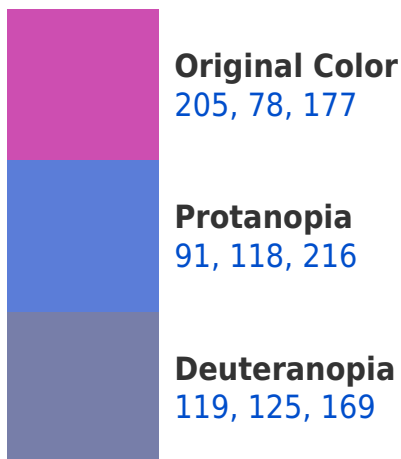


This preview shows how white text looks on a background with the RYB color 205, 78, 177.

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
198, 97, 104

Trichromacy



Original Color

205, 78, 177



Protanomaly

132, 109, 202



Deuteranomaly

150, 109, 172



Tritanomaly

201, 90, 131

Monochromacy



Original Color

205, 78, 177



Achromatopsia

127, 127, 127



Achromatomaly

155, 109, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 78, 177 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(205, 78, 177) looks like.

```
.text, #text, p{  
    color:rgb(205, 78, 177)  
}
```

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(205, 78, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 78, 177) }
```

Border

The CSS property to change the border of an element to RYB 205, 78, 177 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(205, 78, 177) }
```

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

```
.border{ border-color:rgb(205, 78, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 78, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 78, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 78, 177);  
box-shadow:4px 4px 4px 4px rgb(205, 78,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 205, 78, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 78, 177) }
```

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

```
.background{ background-color: rgb(205, 78,  
177) }
```

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