

# Converting Colors

`RYB(207, 124, 217)`

Have a look what the booklet for  
RYB(207, 124, 217) contains.

<b>RYB(207, 124, 217)</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

**R<sub>Y</sub>B(207, 124, 217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF7CD9
RGB	207, 124, 217
RGB Percent	81%, 49%, 85%
CMY	0.1882, 0.5137, 0.1490
CMYK	0.05, 0.43, 0.00, 0.15
HSL	294°, 55%, 67%
HSV	294°, 43%, 85%
XYZ	45.4642, 32.6905, 69.5593
YIQ	159.4190, 19.6150, 46.5190

# Conversions

## Conversions Part 2

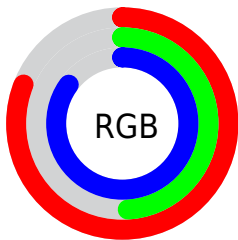
Format	Color
R <sub>Y</sub> B	207, 124, 217
Decimal	13597913
CIE Lab	63.91, 46.60, -34.48
CIE LCh	64, 57.963, 323.502
Yxy	32.6905, 0.3078, 0.2213
Android (android.graphics.Color)	4291787993 (0xFFCF7CD9)
YUV	159.4190, 28.3874, 41.7285
Hunter-Lab	57.1756, 41.8802, -32.1088

# Details

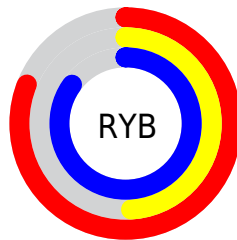
The RYB color **207, 124, 217** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **124, 217, 207**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **255, 178, 255**, and **151, 72, 162** is the 20% darker color. If you saturate the color by 10%, you get **205, 102, 217**, and if you desaturate by 10%, it is **209, 146, 217**.

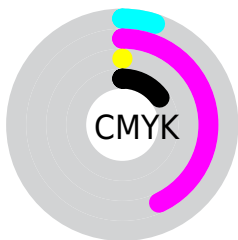
# Distribution



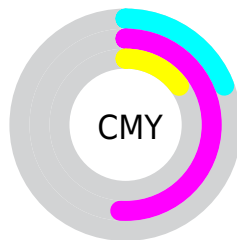
- Red (81%)
- Green (49%)
- Blue (85%)



- Red (81%)
- Yellow (49%)
- Blue (85%)



- Cyan (5%)
- Magenta (43%)
- Yellow (0%)
- Black (15%)




- Cyan (19%)
- Magenta (51%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 207, 124, 217 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 207, 124, 217 by changing the saturation by 10% instead.




 207, 124, 217

 207, 124, 217

255, 255, 255

 179, 98, 189

 255, 178, 255


 151, 72, 162

 255, 207, 255

 124, 46, 135

 255, 235, 255

 97, 17, 110

 71, 0, 85


 47, 0, 61

 20, 0, 39

 0, 1, 15

 0, 0, 0


 207, 124, 217


 207, 124, 217


 205, 102, 217


 209, 146, 217

 202, 81, 217


 212, 167, 217

 200, 59, 217

 214, 189, 217

 198, 37, 217

 216, 211, 217

 195, 15, 217

 217, 233, 231

 194, 0, 217

 217, 254, 250

 217, 255, 249

 217, 255, 246

 217, 255, 244

# Harmonies

## Analogous

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



137, 145, 250



207, 124, 217



243, 109, 168

# Triad

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



207, 124, 217



108, 192, 45



0, 94, 195

# Complementary

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



207, 124, 217



124, 217, 207

# 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, 100, 179



207, 124, 217



52, 164, 73

# Square

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



207, 124, 217



229, 159, 72



77, 163, 174



0, 101, 237

# Rectangle

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



207, 124, 217



250, 108, 134



77, 163, 174



0, 91, 180



# Sweetspot

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



207, 124, 217



251, 222, 255



124, 134, 217



125, 107, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



207, 124, 217



241, 125, 255



217, 124, 181



108, 99, 110



155, 0, 173



41, 0, 46



# Inverse Universe

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



217, 124, 134



255, 125, 139



124, 191, 217



110, 99, 100



173, 0, 19

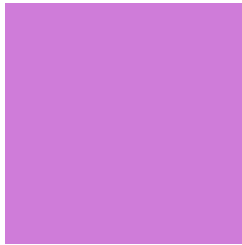


46, 0, 5



# Previews

## White Background



This preview shows how the RYB color 207, 124, 217 looks on a white background.

## Color Contrast Check

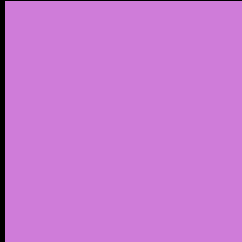
Large Text (above 18pt) WCAG AA × Fail

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 207, 124, 217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

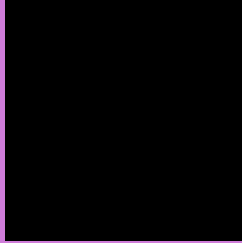
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 207, 124, 217 Background**



This preview shows how black text looks on a background with the RYB color 207, 124, 217.

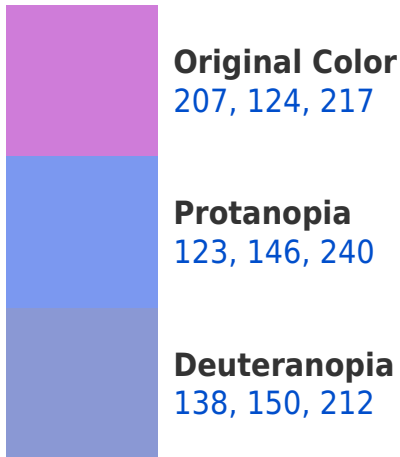



This preview shows how white text looks on a background with the RYB color 207, 124, 217.

# 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, 139, 150

# Trichromacy



**Original Color**

207, 124, 217



**Protanomaly**

154, 142, 232



**Deuteranomaly**

163, 142, 214



**Tritanomaly**

201, 134, 174

# Monochromacy



**Original Color**

207, 124, 217



**Achromatopsia**

159, 159, 159



**Achromatomaly**

176, 146, 180

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 207, 124, 217 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(207, 124, 217) looks like.

```
.text, #text, p{  
    color:rgb(207, 124, 217)  
}
```

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(207, 124, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 124, 217) }
```

## Border

The CSS property to change the border of an element to RYB 207, 124, 217 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(207, 124, 217) }
```

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

```
.border{ border-color:rgb(207, 124, 217) }
```

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

Here you see how a box with a 4 pixel rgb(207, 124, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 124, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 124, 217);  
box-shadow:4px 4px 4px 4px rgb(207, 124,  
217) }
```

# Background

The CSS property to change the background color of an element to RYB 207, 124, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 124, 217) }
```

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

```
.background{ background-color: rgb(207,  
124, 217) }
```

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