

Converting Colors

`RYB(207, 116, 217)`

Have a look what the booklet for
RYB(207, 116, 217) contains.

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Color

R_YB(207, 116, 217)

Conversions

Conversions Part 1

Format	Color
Hex	CF74D9
RGB	207, 116, 217
RGB Percent	81%, 45%, 85%
CMY	0.1882, 0.5451, 0.1490
CMYK	0.05, 0.47, 0.00, 0.15
HSL	294°, 57%, 65%
HSV	294°, 47%, 85%
XYZ	44.5019, 30.7659, 69.2386
YIQ	154.7230, 21.8150, 50.7030

Conversions

Conversions Part 2

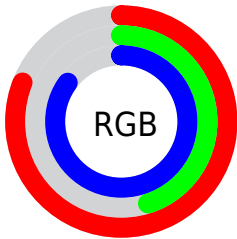
Format	Color
R_{YB}	207, 116, 217
Decimal	13595865
CIE _{Lab}	62.31, 50.71, -36.97
CIE _{LCh}	62, 62.758, 323.909
Yxy	30.7659, 0.3080, 0.2129
Android (android.graphics.Color)	4291785945 (0xFFCF74D9)
YUV	154.7230, 30.7026, 45.8469
Hunter-Lab	55.4670, 46.1454, -35.1837

Details

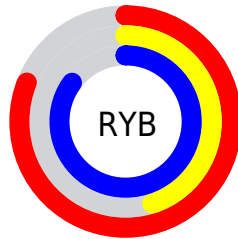
The RYB color **207, 116, 217** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **116, 217, 207**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **255, 171, 255**, and **151, 63, 162** is the 20% darker color. If you saturate the color by 10%, you get **205, 94, 217**, and if you desaturate by 10%, it is **209, 138, 217**.

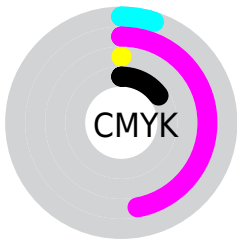
Distribution



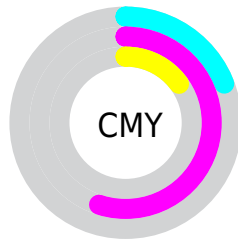
- Red (81%)
- Green (45%)
- Blue (85%)



- Red (81%)
- Yellow (45%)
- Blue (85%)



- Cyan (5%)
- Magenta (47%)
- Yellow (0%)
- Black (15%)




- Cyan (19%)
- Magenta (55%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 207, 116, 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, 116, 217 by changing the saturation by 10% instead.

 207, 116, 217

 207, 116, 217


255, 255, 255

 178, 89, 189

 255, 171, 255

 151, 63, 162

 255, 199, 255

 123, 36, 135

 255, 227, 255

 96, 0, 109


 70, 0, 85


 47, 0, 61


 15, 0, 38

 0, 1, 15


 0, 0, 0


 207, 116, 217


 207, 116, 217


 205, 94, 217


 209, 138, 217

 203, 73, 217

 211, 159, 217

 201, 51, 217

 213, 181, 217

 198, 29, 217

 216, 203, 217

 196, 8, 217

 217, 224, 223

 196, 0, 217

 217, 246, 243

 217, 255, 250

 217, 255, 248

 217, 255, 246

Harmonies

Analogous

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



130, 140, 253



207, 116, 217



245, 98, 164

Triad

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



207, 116, 217



87, 189, 25



0, 93, 194

Complementary

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



207, 116, 217



116, 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, 99, 176



207, 116, 217



36, 161, 61

Square

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



207, 116, 217



229, 158, 60



60, 153, 171



0, 100, 240

Rectangle

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



207, 116, 217



251, 97, 127



60, 153, 171



0, 89, 177

Sweetspot

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



207, 116, 217



251, 219, 255



116, 125, 217



125, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



207, 116, 217



241, 112, 255



217, 116, 177



109, 99, 110



156, 0, 173



41, 0, 46

Inverse Universe

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



217, 116, 126



255, 112, 126



116, 188, 217



110, 99, 100



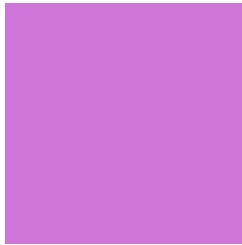
173, 0, 17



46, 0, 5

Previews

White Background



This preview shows how the RYB color 207, 116, 217 looks on a white background.

Color Contrast Check

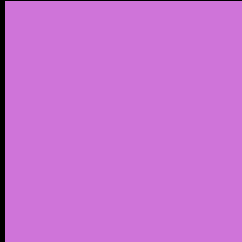
Large Text (above 18pt) WCAG AA × Fail

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, 116, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

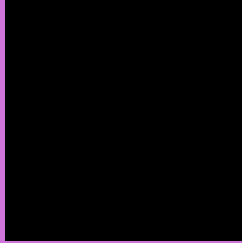
Any Text WCAG AA ✓ Pass

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, 116, 217 Background



This preview shows how black text looks on a background with the RYB color 207, 116, 217.

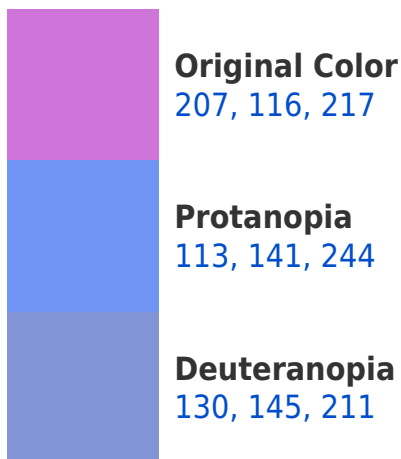


This preview shows how white text looks on a background with the RYB color 207, 116, 217.

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
197, 133, 143

Trichromacy



Original Color

207, 116, 217



Protanomaly

147, 136, 234



Deuteranomaly

158, 137, 213



Tritanomaly

201, 127, 170

Monochromacy



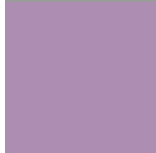
Original Color

207, 116, 217



Achromatopsia

155, 155, 155



Achromatomaly

174, 141, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 207, 116, 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, 116, 217) looks like.

```
.text, #text, p{  
    color:rgb(207, 116, 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, 116, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 116, 217) }
```

Border

The CSS property to change the border of an element to RYB 207, 116, 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, 116, 217) }
```

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

```
.border{ border-color:rgb(207, 116, 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, 116, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 116, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 116, 217);  
box-shadow:4px 4px 4px 4px rgb(207, 116,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 207, 116, 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, 116, 217) }
```

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

```
.background{ background-color: rgb(207,  
116, 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](#).

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