

Converting Colors

`RYB(200, 107, 209)`

Have a look what the booklet for
RYB(200, 107, 209) contains.

RYB(200, 107, 209)	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

RYB(200, 107, 209)

Conversions

Conversions Part 1

Format	Color
Hex	C86BD1
RGB	200, 107, 209
RGB Percent	78%, 42%, 82%
CMY	0.2157, 0.5804, 0.1804
CMYK	0.04, 0.49, 0.00, 0.18
HSL	295°, 53%, 62%
HSV	295°, 49%, 82%
XYZ	40.5857, 27.3982, 63.4709
YIQ	146.4350, 22.6860, 51.4380

Conversions

Conversions Part 2

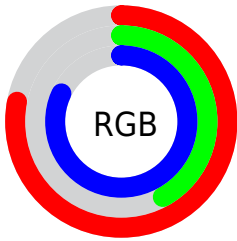
Format	Color
RYB	200, 107, 209
Decimal	13134801
CIELab	59.34, 51.77, -37.17
CIELCh	59, 63.732, 324.319
Yxy	27.3982, 0.3087, 0.2084
Android (android.graphics.Color)	4291324881 (0xFFC86BD1)
YUV	146.4350, 30.8445, 46.9765
Hunter-Lab	52.3433, 46.8039, -35.2541

Details

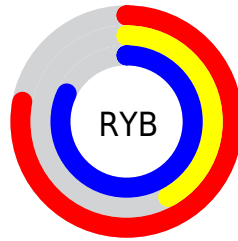
The RYB color **200, 107, 209** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **107, 209, 200**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **255, 161, 255**, and **144, 54, 154** is the 20% darker color. If you saturate the color by 10%, you get **198, 86, 209**, and if you desaturate by 10%, it is **202, 128, 209**.

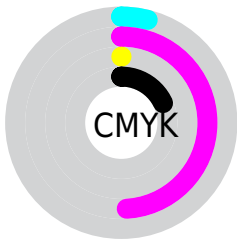
Distribution



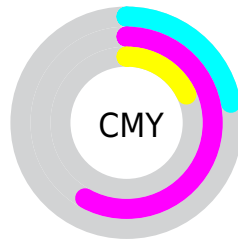
- Red (78%)
- Green (42%)
- Blue (82%)



- Red (78%)
- Yellow (42%)
- Blue (82%)



- Cyan (4%)
- Magenta (49%)
- Yellow (0%)
- Black (18%)




- Cyan (22%)
- Magenta (58%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 107, 209 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 200, 107, 209 by changing the saturation by 10% instead.

 200, 107, 209


255, 255, 255

 255, 161, 255

 255, 189, 255

 255, 218, 255

 255, 247, 255

 200, 107, 209

 172, 80, 181

 144, 54, 154

 117, 24, 128

 90, 0, 102

 64, 0, 78


 42, 0, 55


 0, 0, 32


 0, 0, 4

 0, 0, 0

 200, 107, 209

 200, 107, 209

 198, 86, 209


 202, 128, 209

 196, 65, 209

 204, 149, 209

 194, 44, 209

 206, 170, 209

 193, 23, 209

 207, 191, 209

 191, 3, 209

 209, 211, 211

 191, 0, 209

 209, 232, 230

 209, 253, 249

 209, 255, 249

 209, 255, 247

Harmonies

Analogous

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



122, 132, 246



200, 107, 209



237, 88, 156

Triad

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



200, 107, 209



61, 179, 6



0, 89, 187

Complementary

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



200, 107, 209



107, 209, 200

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, 95, 168



200, 107, 209



23, 153, 50

Square

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



200, 107, 209



220, 151, 51



45, 140, 163



0, 96, 233

Rectangle

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



200, 107, 209



244, 88, 118



45, 140, 163



0, 85, 169

Sweetspot

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



200, 107, 209



252, 217, 255



107, 116, 209



125, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



200, 107, 209



242, 105, 255



209, 107, 168



104, 94, 105



153, 0, 168



37, 0, 41

Inverse Universe

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



209, 107, 116



255, 105, 118



107, 180, 209



105, 94, 95



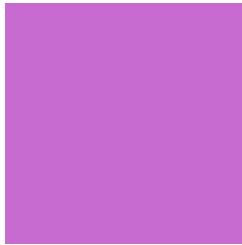
168, 0, 15



41, 0, 4

Previews

White Background



This preview shows how the RYB color 200, 107, 209 looks on a white background.

Color Contrast Check

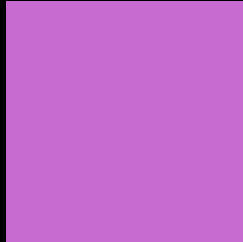
Large Text (above 18pt) WCAG AA ✓ Pass

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 200, 107, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

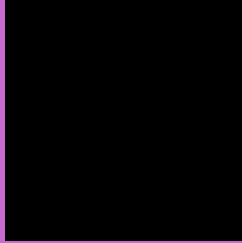
Any Text WCAG AA ✓ Pass

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 200, 107, 209 Background



This preview shows how black text looks on a background with the RYB color 200, 107, 209.

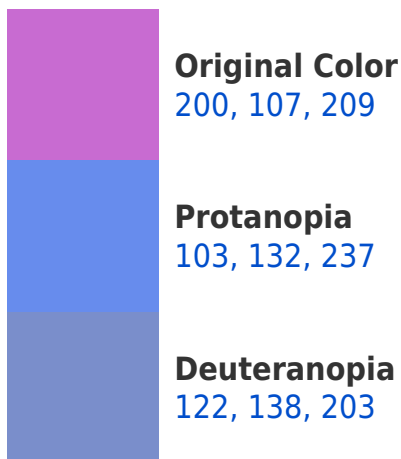


This preview shows how white text looks on a background with the RYB color 200, 107, 209.

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

190, 125, 134

Trichromacy



Original Color
200, 107, 209



Protanomaly
138, 128, 227



Deuteranomaly
150, 129, 205



Tritanomaly
194, 118, 161

Monochromacy



Original Color
200, 107, 209



Achromatopsia
146, 146, 146



Achromatomaly
166, 132, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 107, 209 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(200, 107, 209) looks like.

```
.text, #text, p{  
    color:rgb(200, 107, 209)  
}
```

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(200, 107, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 107, 209) }
```

Border

The CSS property to change the border of an element to RYB 200, 107, 209 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(200, 107, 209) }
```

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

```
.border{ border-color:rgb(200, 107, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 107, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 107, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 107, 209);  
box-shadow:4px 4px 4px 4px rgb(200, 107,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 200, 107, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 107, 209) }
```

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

```
.background{ background-color: rgb(200,  
107, 209) }
```

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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