

Converting Colors

`RYB(205, 0, 222)`

Have a look what the booklet for
RYB(205, 0, 222) contains.

RYB(205, 0, 222)	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, 0, 222)

Conversions

Conversions Part 1

Format	Color
Hex	CD00DE
RGB	205, 0, 222
RGB Percent	80%, 0%, 87%
CMY	0.1961, 1.0000, 0.1294
CMYK	0.08, 1.00, 0.00, 0.13
HSL	295°, 100%, 44%
HSV	295°, 100%, 87%
XYZ	38.3617, 18.2531, 70.6085
YIQ	86.6030, 50.9180, 112.5020

Conversions

Conversions Part 2

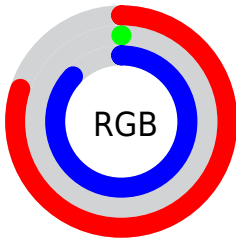
Format	Color
R_{YB}	205, 0, 222
Decimal	13435102
CIE _{Lab}	49.80, 85.88, -59.66
CIE _{LCh}	50, 104.570, 325.212
Yxy	18.2531, 0.3015, 0.1435
Android (android.graphics.Color)	4291625182 (0xFFCD00DE)
YUV	86.6030, 66.7507, 103.8342
Hunter-Lab	42.7236, 85.5094, -68.0810

Details

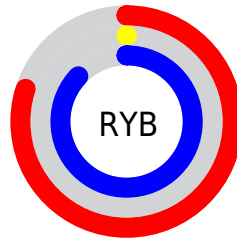
The RYB color **205, 0, 222** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **0, 222, 205**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **255, 94, 255**, and **145, 0, 166** is the 20% darker color. If you saturate the color by 10%, you get **205, 0, 222**, and if you desaturate by 10%, it is **207, 22, 222**.

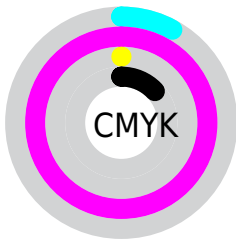
Distribution



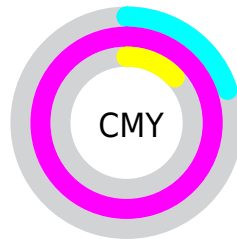
- Red (80%)
- Green (0%)
- Blue (87%)



- Red (80%)
- Yellow (0%)
- Blue (87%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)





















- Cyan (20%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 0, 222 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, 0, 222 by changing the saturation by 10% instead.

 205, 0, 222	 205, 0, 222
 255, 255, 255	 175, 0, 194
 255, 94, 255	 145, 0, 166
 255, 125, 255	 116, 0, 139
 255, 156, 255	 87, 0, 112
 255, 186, 255	 60, 0, 87
 255, 216, 255	 27, 0, 63
 255, 246, 255	 0, 3, 39
	 0, 1, 17
	 0, 0, 0

■ 205, 0, 222

■ 207, 22, 222

■ 208, 44, 222

■ 210, 67, 222

■ 212, 89, 222

■ 213, 111, 222

■ 215, 133, 222

■ 217, 155, 222

■ 219, 178, 222

■ 220, 200, 222

Harmonies

Analogous

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



0, 73, 255



205, 0, 222



255, 0, 137

Triad

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



205, 0, 222



65, 157, 0



0, 85, 193

Complementary

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



205, 0, 222



0, 222, 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, 90, 150



205, 0, 222



0, 135, 68

Square

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



205, 0, 222



220, 81, 0



0, 146, 146



0, 94, 255

Rectangle

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



205, 0, 222



255, 0, 79



0, 146, 146



0, 79, 163

Sweetspot

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



205, 0, 222



249, 179, 255



0, 17, 222



124, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



205, 0, 222



235, 0, 255



222, 0, 129



111, 101, 112



162, 0, 176



45, 0, 48

Inverse Universe

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



222, 0, 17



255, 0, 20



0, 156, 222



112, 101, 102



176, 0, 13



48, 0, 4

Previews

White Background



This preview shows how the RYB color 205, 0, 222 looks on a white background.

Color Contrast Check

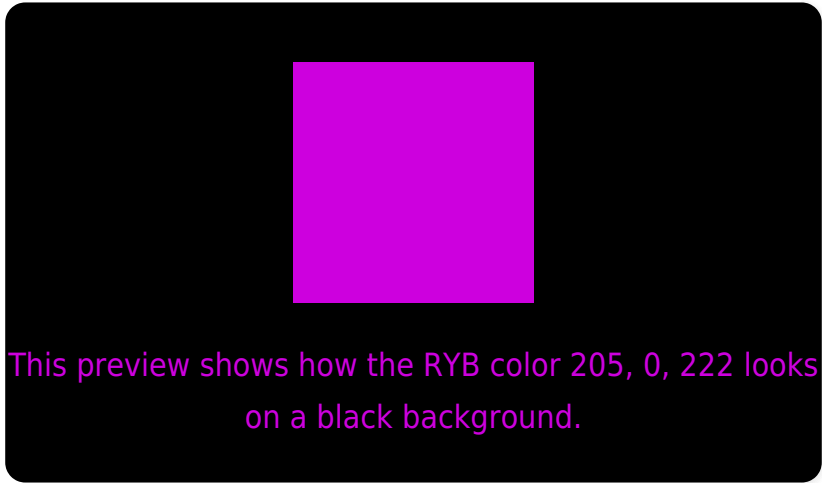
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

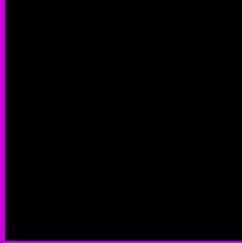
Any Text WCAG AA ✓ Pass

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](#).

R Y B 205, 0, 222 Background



This preview shows how black text looks on a background with the R Y B color 205, 0, 222.

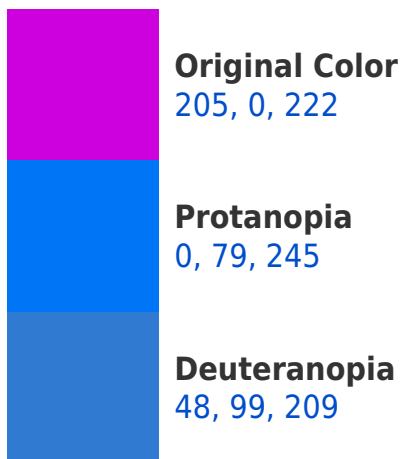


This preview shows how white text looks on a background with the R Y B color 205, 0, 222.

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, 87, 93

Trichromacy



Original Color

205, 0, 222



Protanomaly

75, 74, 237



Deuteranomaly

105, 78, 214



Tritanomaly

195, 55, 140

Monochromacy



Original Color

205, 0, 222



Achromatopsia

87, 87, 87



Achromatomaly

130, 55, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 0, 222 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, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 222)  
}
```

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, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 222) }
```

Border

The CSS property to change the border of an element to RYB 205, 0, 222 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, 0, 222) }
```

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

```
.border{ border-color:rgb(205, 0, 222) }
```

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

Here you see how a box with a 4 pixel rgb(205, 0, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(205, 0,  
222) }
```

Background

The CSS property to change the background color of an element to RGB 205, 0, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 222) }
```

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

```
.background{ background-color: rgb(205, 0,  
222) }
```

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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