

Converting Colors

`RYB(218, 0, 226)`

Have a look what the booklet for
RYB(218, 0, 226) contains.

RYB(218, 0, 226)	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(218, 0, 226)

Conversions

Conversions Part 1

Format	Color
Hex	DA00E2
RGB	218, 0, 226
RGB Percent	85%, 0%, 89%
CMY	0.1451, 1.0000, 0.1137
CMYK	0.04, 1.00, 0.00, 0.11
HSL	298°, 100%, 44%
HSV	298°, 100%, 89%
XYZ	42.6409, 20.3964, 73.6410
YIQ	90.9460, 57.3820, 116.5020

Conversions

Conversions Part 2

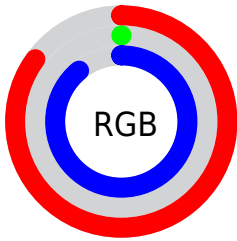
Format	Color
R _Y B	218, 0, 226
Decimal	14287074
CIE Lab	52.28, 88.44, -57.83
CIE LCh	52, 105.672, 326.822
Yxy	20.3964, 0.3120, 0.1492
Android (android.graphics.Color)	4292477154 (0xFFDA00E2)
YUV	90.9460, 66.5816, 111.4264
Hunter-Lab	45.1624, 89.4999, -65.0635

Details

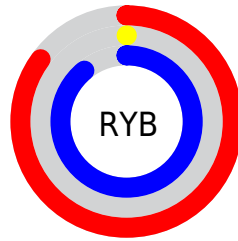
The RYB color **218, 0, 226** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **0, 226, 218**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **255, 97, 255**, and **158, 0, 170** is the 20% darker color. If you saturate the color by 10%, you get **218, 0, 226**, and if you desaturate by 10%, it is **219, 23, 226**.

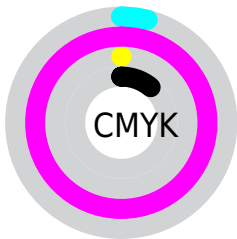
Distribution



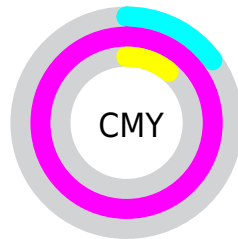
- Red (85%)
- Green (0%)
- Blue (89%)



- Red (85%)
- Yellow (0%)
- Blue (89%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 0, 226 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 218, 0, 226 by changing the saturation by 10% instead.



218, 0, 226



218, 0, 226

255, 255, 255



188, 0, 198



255, 97, 255



158, 0, 170



255, 129, 255



128, 0, 143



255, 159, 255



99, 0, 116



255, 190, 255



71, 0, 91



255, 220, 255



41, 0, 66



255, 251, 255



0, 0, 43



0, 1, 21



0, 0, 0

■ 218, 0, 226

■ 219, 23, 226

■ 220, 45, 226

■ 220, 68, 226

■ 221, 90, 226

■ 222, 113, 226

■ 223, 136, 226

■ 224, 158, 226

■ 224, 181, 226

■ 225, 203, 226

Harmonies

Analogous

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



44, 91, 255



218, 0, 226



255, 0, 139

Triad

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



218, 0, 226



55, 160, 0



0, 90, 205

Complementary

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



218, 0, 226



0, 226, 218

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, 92, 158



218, 0, 226



0, 142, 75

Square

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



218, 0, 226



226, 101, 0



0, 153, 153



0, 97, 255

Rectangle

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



218, 0, 226



255, 0, 80



0, 153, 153



0, 83, 175

Sweetspot

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



218, 0, 226



252, 179, 255



0, 10, 226



126, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



218, 0, 226



246, 0, 255



226, 0, 124



112, 101, 112



170, 0, 176



47, 0, 48

Inverse Universe

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



226, 0, 8



255, 0, 9



0, 156, 226



112, 101, 101



176, 0, 6



48, 0, 2

Previews

White Background



This preview shows how the RYB color 218, 0, 226 looks on a white background.

Color Contrast Check

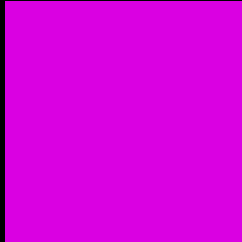
Large Text (above 18pt) WCAG AA ✓ Pass

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 218, 0, 226 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](#).

R Y B 218, 0, 226 Background



This preview shows how black text looks on a background with the R Y B color 218, 0, 226.

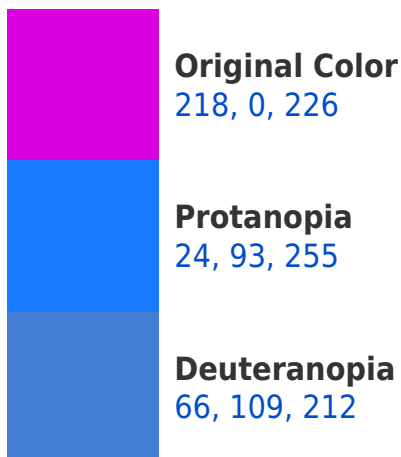


This preview shows how white text looks on a background with the R Y B color 218, 0, 226.

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
203, 89, 95

Trichromacy



Original Color

218, 0, 226



Protanomaly

95, 78, 244



Deuteranomaly

121, 81, 217



Tritanomaly

208, 57, 143

Monochromacy



Original Color

218, 0, 226



Achromatopsia

91, 91, 91



Achromatomaly

137, 58, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 0, 226 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(218, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 226)  
}
```

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(218, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 226) }
```

Border

The CSS property to change the border of an element to RYB 218, 0, 226 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(218, 0, 226) }
```

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

```
.border{ border-color:rgb(218, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
226) }
```

Background

The CSS property to change the background color of an element to RGB 218, 0, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 226) }
```

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

```
.background{ background-color: rgb(218, 0,  
226) }
```

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