

Converting Colors

`RYB(212, 0, 212)`

Have a look what the booklet for
RYB(212, 0, 212) contains.

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Color

$\text{RYB}(212, 0, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	D400D4
RGB	212, 0, 212
RGB Percent	83%, 0%, 83%
CMY	0.1686, 1.0000, 0.1686
CMYK	0.00, 1.00, 0.00, 0.17
HSL	300°, 100%, 42%
HSV	300°, 100%, 83%
XYZ	39.0350, 18.7505, 63.8492
YIQ	87.5560, 58.3000, 110.8760

Conversions

Conversions Part 2

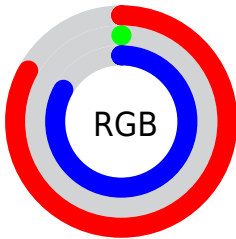
Format	Color
R_{YB}	212, 0, 212
Decimal	13893844
CIE _{Lab}	50.39, 85.48, -52.93
CIE _{LCh}	50, 100.537, 328.233
Yxy	18.7505, 0.3209, 0.1542
Android (android.graphics.Color)	4292083924 (0xFFD400D4)
YUV	87.5560, 61.3509, 109.1374
Hunter-Lab	43.3019, 85.1329, -57.1126

Details

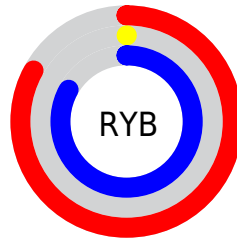
The RYB color **212, 0, 212** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **0, 212, 212**, and the grayscale version is **87, 87, 87**.

A 20% lighter version of the original color is **255, 95, 255**, and **152, 0, 156** is the 20% darker color. If you saturate the color by 10%, you get **212, 0, 212**, and if you desaturate by 10%, it is **212, 21, 212**.

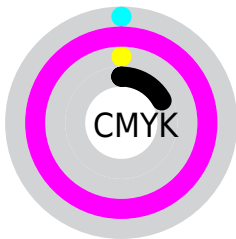
Distribution



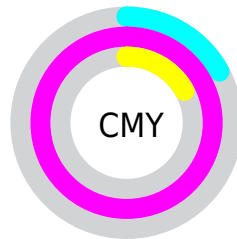
- Red (83%)
- Green (0%)
- Blue (83%)



- Red (83%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (17%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 0, 212 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 212, 0, 212 by changing the saturation by 10% instead.



212, 0, 212



212, 0, 212

255, 255, 255



182, 0, 184



255, 95, 255



152, 0, 156



255, 126, 255



123, 0, 130



255, 157, 255



94, 0, 104



255, 187, 255



67, 0, 79



255, 217, 255



36, 0, 55



255, 248, 255



0, 1, 32



0, 0, 5



0, 0, 0

■ 212, 0, 212

■ 212, 21, 212

■ 212, 42, 212

■ 212, 64, 212

■ 212, 85, 212

■ 212, 106, 212

■ 212, 127, 212

■ 212, 148, 212

■ 212, 170, 212

■ 212, 191, 212

Harmonies

Analogous

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



69, 95, 255



212, 0, 212



255, 0, 129

Triad

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



212, 0, 212



46, 151, 0



0, 87, 200

Complementary

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



212, 0, 212



0, 212, 212

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, 88, 152



212, 0, 212



0, 137, 76

Square

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



212, 0, 212



214, 109, 0



0, 147, 147



0, 94, 255

Rectangle

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



212, 0, 212



255, 0, 74



0, 147, 147



0, 81, 172

Sweetspot

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



212, 0, 212



255, 179, 255



0, 0, 212



128, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



212, 0, 212



255, 0, 255



212, 0, 106



107, 96, 107



171, 0, 171



43, 0, 43

Inverse Universe

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



212, 0, 212



255, 0, 255



0, 141, 212



107, 96, 107



171, 0, 171



43, 0, 43

Previews

White Background



This preview shows how the RYB color 212, 0, 212 looks on a white background.

Color Contrast Check

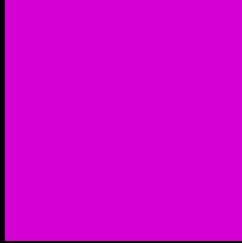
Large Text (above 18pt) WCAG AA ✓ Pass

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 212, 0, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

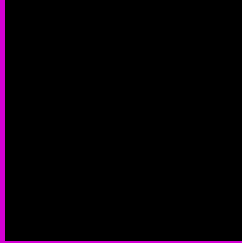
Any Text WCAG AA ✓ Pass

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](#).

RGB 212, 0, 212 Background



This preview shows how black text looks on a background with the RGB color 212, 0, 212.

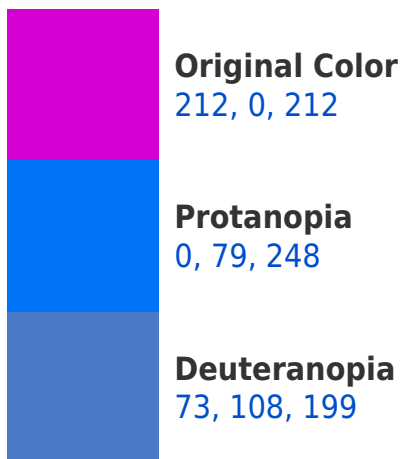


This preview shows how white text looks on a background with the RGB color 212, 0, 212.

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
199, 83, 89

Trichromacy



Original Color

212, 0, 212



Protanomaly

77, 74, 235



Deuteranomaly

124, 78, 204



Tritanomaly

204, 53, 134

Monochromacy



Original Color

212, 0, 212



Achromatopsia

88, 88, 88



Achromatomaly

133, 56, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 0, 212 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(212, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 212)  
}
```

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(212, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 212) }
```

Border

The CSS property to change the border of an element to RYB 212, 0, 212 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(212, 0, 212) }
```

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

```
.border{ border-color:rgb(212, 0, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 212, 0, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 212) }
```

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

```
.background{ background-color: rgb(212, 0,  
212) }
```

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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