

Converting Colors

`RYB(216, 48, 220)`

Have a look what the booklet for
RYB(216, 48, 220) contains.

RYB(216, 48, 220)	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(216, 48, 220)

Conversions

Conversions Part 1

Format	Color
Hex	D830DC
RGB	216, 48, 220
RGB Percent	85%, 19%, 86%
CMY	0.1529, 0.8118, 0.1373
CMYK	0.02, 0.78, 0.00, 0.14
HSL	299°, 71%, 53%
HSV	299°, 78%, 86%
XYZ	42.2941, 21.8801, 69.7043
YIQ	117.8400, 44.9160, 89.1080

Conversions

Conversions Part 2

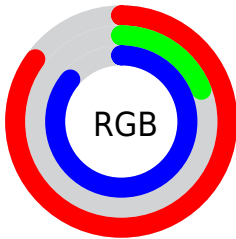
Format	Color
R_{YB}	216, 48, 220
Decimal	14168284
CIE _{Lab}	53.90, 80.43, -51.85
CIE _{LCh}	54, 95.700, 327.191
Yxy	21.8801, 0.3159, 0.1634
Android (android.graphics.Color)	4292358364 (0xFFD830DC)
YUV	117.8400, 50.3649, 86.0863
Hunter-Lab	46.7762, 79.5378, -55.6085

Details

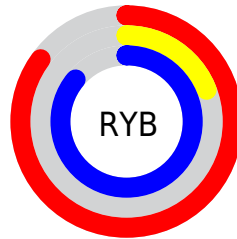
The RYB color **216, 48, 220** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light muted magenta. A complement of this color would be **48, 220, 216**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **255, 114, 255**, and **157, 0, 164** is the 20% darker color. If you saturate the color by 10%, you get **215, 26, 220**, and if you desaturate by 10%, it is **217, 70, 220**.

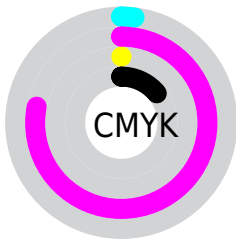
Distribution



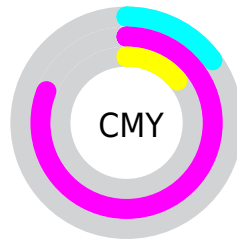
- Red (85%)
- Green (19%)
- Blue (86%)



- Red (85%)
- Yellow (19%)
- Blue (86%)



- Cyan (2%)
- Magenta (78%)
- Yellow (0%)
- Black (14%)




















- Cyan (15%)
- Magenta (81%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 48, 220 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 216, 48, 220 by changing the saturation by 10% instead.

 216, 48, 220	 216, 48, 220
 255, 255, 255	 186, 0, 192
 255, 114, 255	 157, 0, 164
 255, 144, 255	 128, 0, 137
 255, 174, 255	 99, 0, 111
 255, 203, 255	 71, 0, 86
 255, 233, 255	 43, 0, 62
	 0, 0, 39
	 0, 1, 16
	 0, 0, 0

■ 216, 48, 220

■ 216, 48, 220

■ 215, 26, 220

■ 217, 70, 220

■ 215, 4, 220

■ 217, 92, 220

■ 215, 0, 220

■ 218, 114, 220

■ 218, 136, 220

■ 219, 158, 220

■ 219, 180, 220

■ 220, 202, 220

■ 220, 224, 224

■ 220, 246, 245

Harmonies

Analogous

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



83, 106, 255



216, 48, 220



255, 0, 140

Triad

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



216, 48, 220



55, 164, 0



0, 90, 203

Complementary

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



216, 48, 220



48, 220, 216

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, 93, 161



216, 48, 220



0, 145, 64

Square

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



216, 48, 220



224, 132, 0



0, 139, 156



0, 98, 255

Rectangle

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



216, 48, 220



255, 0, 86



0, 139, 156



0, 84, 176

Sweetspot

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



216, 48, 220



254, 196, 255



48, 54, 220



127, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



216, 48, 220



249, 15, 255



220, 48, 140



109, 99, 110



169, 0, 173



45, 0, 46

Inverse Universe

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



220, 48, 52



255, 15, 21



48, 165, 220



110, 99, 99



173, 0, 4



46, 0, 1

Previews

White Background



This preview shows how the RYB color 216, 48, 220 looks on a white background.

Color Contrast Check

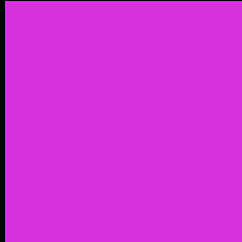
Large Text (above 18pt) WCAG AA ✓ Pass

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 216, 48, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

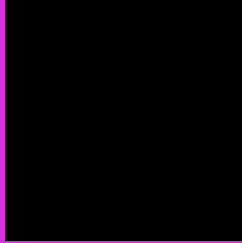
Any Text WCAG AA ✓ Pass

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 216, 48, 220 Background



This preview shows how black text looks on a background with the RYB color 216, 48, 220.



This preview shows how white text looks on a background with the RYB color 216, 48, 220.

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



Original Color
216, 48, 220

Protanopia
45, 103, 255

Deuteranopia
83, 117, 208



Tritanopia
203, 95, 102

Trichromacy



Original Color

216, 48, 220



Protanomaly

107, 97, 242



Deuteranomaly

131, 100, 212



Tritanomaly

208, 78, 145

Monochromacy



Original Color

216, 48, 220



Achromatopsia

118, 118, 118



Achromatomaly

154, 93, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 48, 220 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(216, 48, 220)` looks like.

```
.text, #text, p{  
    color:rgb(216, 48, 220)  
}
```

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(216, 48, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 48, 220) }
```

Border

The CSS property to change the border of an element to RYB 216, 48, 220 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(216, 48, 220) }
```

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

```
.border{ border-color:rgb(216, 48, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 48, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 48, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 48, 220);  
box-shadow:4px 4px 4px 4px rgb(216, 48,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 216, 48, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 48, 220) }
```

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

```
.background{ background-color: rgb(216, 48,  
220) }
```

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