

Converting Colors

`RYB(216, 37, 218)`

Have a look what the booklet for
RYB(216, 37, 218) contains.

RYB(216, 37, 218)	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(216, 37, 218)

Conversions

Conversions Part 1

Format	Color
Hex	D825DA
RGB	216, 37, 218
RGB Percent	85%, 15%, 85%
CMY	0.1529, 0.8549, 0.1451
CMYK	0.01, 0.83, 0.00, 0.15
HSL	299°, 71%, 50%
HSV	299°, 83%, 85%
XYZ	41.6354, 20.9840, 68.1856
YIQ	111.1550, 48.5830, 94.2390

Conversions

Conversions Part 2

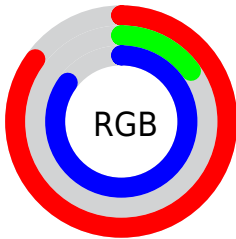
Format	Color
R_{YB}	216, 37, 218
Decimal	14165466
CIE Lab	52.93, 82.61, -52.26
CIE LCh	53, 97.755, 327.682
Yxy	20.9840, 0.3183, 0.1604
Android (android.graphics.Color)	4292355546 (0xFFD825DA)
YUV	111.1550, 52.6746, 91.9491
Hunter-Lab	45.8083, 82.0748, -56.1872

Details

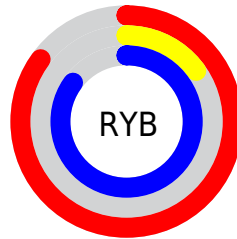
The RYB color **216, 37, 218** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **37, 218, 216**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **255, 108, 255**, and **156, 0, 162** is the 20% darker color. If you saturate the color by 10%, you get **216, 15, 218**, and if you desaturate by 10%, it is **216, 59, 218**.

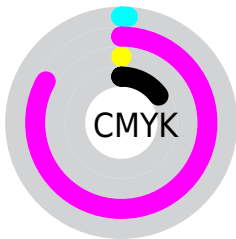
Distribution



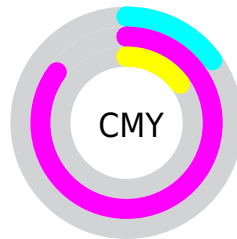
- Red (85%)
- Green (15%)
- Blue (85%)



- Red (85%)
- Yellow (15%)
- Blue (85%)



- Cyan (1%)
- Magenta (83%)
- Yellow (0%)
- Black (15%)




















- Cyan (15%)
- Magenta (85%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 37, 218 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, 37, 218 by changing the saturation by 10% instead.

 216, 37, 218	 216, 37, 218
 255, 255, 255	 186, 0, 190
 255, 108, 255	 156, 0, 162
 255, 138, 255	 127, 0, 135
 255, 168, 255	 98, 0, 109
 255, 198, 255	 71, 0, 84
 255, 228, 255	 42, 0, 60
	 0, 0, 37
	 0, 1, 13
	 0, 0, 0

■ 216, 37, 218

■ 216, 37, 218

■ 216, 15, 218

■ 216, 59, 218

■ 216, 0, 218

■ 216, 81, 218

■ 217, 102, 218

■ 217, 124, 218

■ 217, 146, 218

■ 217, 168, 218

■ 218, 190, 218

■ 218, 211, 218

■ 218, 233, 233

Harmonies

Analogous

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



80, 103, 255



216, 37, 218



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.



216, 37, 218



52, 160, 0



0, 89, 203

Complementary

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



216, 37, 218



37, 218, 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, 91, 158



216, 37, 218



0, 143, 69

Square

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



216, 37, 218



221, 125, 0



0, 143, 154



0, 97, 255

Rectangle

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



216, 37, 218



255, 0, 82



0, 143, 154



0, 84, 176

Sweetspot

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



216, 37, 218



254, 191, 255



37, 40, 218



127, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

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



216, 37, 218



252, 0, 255



218, 37, 131



110, 99, 110



171, 0, 173



45, 0, 46

Inverse Universe

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



218, 37, 39



255, 0, 3



37, 159, 218



110, 99, 99



173, 0, 2



46, 0, 1

Previews

White Background



This preview shows how the RYB color 216, 37, 218 looks on a white background.

Color Contrast Check

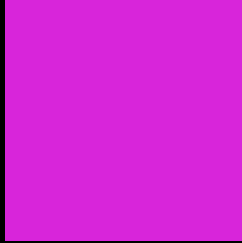
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

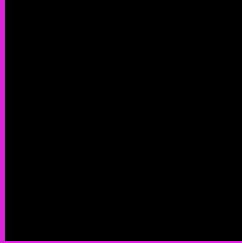
Any Text WCAG AA ✓ Pass

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 216, 37, 218 Background



This preview shows how black text looks on a background with the R Y B color 216, 37, 218.

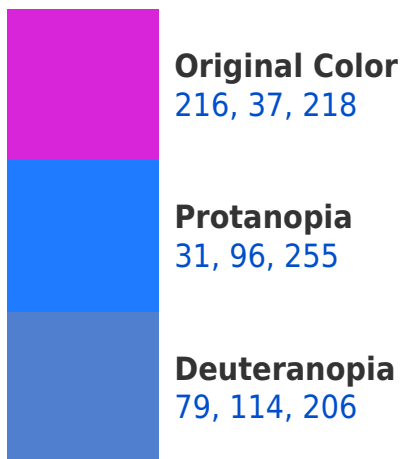


This preview shows how white text looks on a background with the R Y B color 216, 37, 218.

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, 91, 97

Trichromacy



Original Color

216, 37, 218



Protanomaly

98, 92, 242



Deuteranomaly

129, 94, 210



Tritanomaly

208, 71, 141

Monochromacy



Original Color

216, 37, 218



Achromatopsia

111, 111, 111



Achromatomaly

149, 84, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 37, 218 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, 37, 218) looks like.

```
.text, #text, p{  
    color:rgb(216, 37, 218)  
}
```

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, 37, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 37, 218) }
```

Border

The CSS property to change the border of an element to RYB 216, 37, 218 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, 37, 218) }
```

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

```
.border{ border-color:rgb(216, 37, 218) }
```

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

Here you see how a box with a 4 pixel rgb(216, 37, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 37, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 37, 218);  
box-shadow:4px 4px 4px 4px rgb(216, 37,  
218) }
```

Background

The CSS property to change the background color of an element to RGB 216, 37, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 37, 218) }
```

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

```
.background{ background-color: rgb(216, 37,  
218) }
```

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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