

Converting Colors

`RYB(206, 39, 237)`

Have a look what the booklet for RYB(206, 39, 237) contains.

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Color

R_YB(206, 39, 237)

Conversions

Conversions Part 1

Format	Color
Hex	CE27ED
RGB	206, 39, 237
RGB Percent	81%, 15%, 93%
CMY	0.1922, 0.8471, 0.0706
CMYK	0.13, 0.84, 0.00, 0.07
HSL	291°, 85%, 54%
HSV	291°, 84%, 93%
XYZ	41.4652, 20.6873, 81.9283
YIQ	111.5050, 35.9740, 96.9820

Conversions

Conversions Part 2

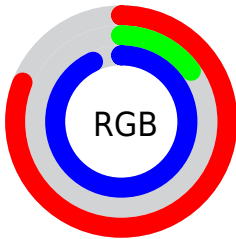
Format	Color
RYB	206, 39, 237
Decimal	13510637
CIELab	52.61, 83.50, -63.62
CIElCh	53, 104.978, 322.694
Yxy	20.6873, 0.2878, 0.1436
Android (android.graphics.Color)	4291700717 (0xFFCE27ED)
YUV	111.5050, 61.8690, 82.8721
Hunter-Lab	45.4833, 83.1352, -74.9599

Details

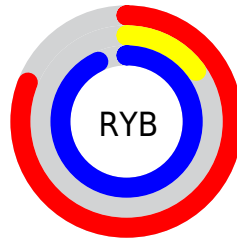
The RYB color **206, 39, 237** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **39, 237, 206**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **255, 108, 255**, and **146, 0, 180** is the 20% darker color. If you saturate the color by 10%, you get **202, 15, 237**, and if you desaturate by 10%, it is **210, 63, 237**.

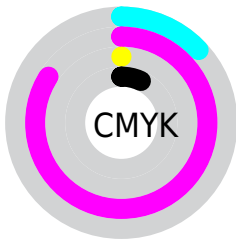
Distribution



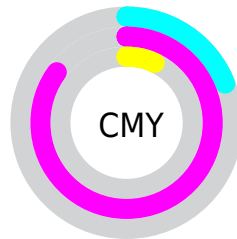
- Red (81%)
- Green (15%)
- Blue (93%)



- Red (81%)
- Yellow (15%)
- Blue (93%)



- Cyan (13%)
- Magenta (84%)
- Yellow (0%)
- Black (7%)



- Cyan (19%)
- Magenta (85%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 206, 39, 237 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 206, 39, 237 by changing the saturation by 10% instead.



206, 39, 237



206, 39, 237

255, 255, 255



176, 0, 208



255, 108, 255



146, 0, 180



255, 138, 255



117, 0, 153



255, 168, 255



88, 0, 126



255, 198, 255



59, 0, 100



255, 228, 255



26, 0, 75



0, 0, 51



0, 2, 29



0, 0, 0

■ 206, 39, 237

■ 206, 39, 237

■ 202, 15, 237

■ 210, 63, 237

■ 200, 0, 237

■ 213, 86, 237

■ 217, 110, 237

■ 221, 134, 237

■ 225, 157, 237

■ 228, 181, 237

■ 232, 205, 237

■ 236, 229, 237

■ 237, 252, 250

Harmonies

Analogous

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



0, 78, 255



206, 39, 237



255, 0, 152

Triad

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



206, 39, 237



83, 171, 0



0, 88, 194

Complementary

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



206, 39, 237



39, 237, 206

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, 97, 158



206, 39, 237



0, 141, 56

Square

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



206, 39, 237



234, 83, 0



0, 153, 153



0, 98, 255

Rectangle

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



206, 39, 237



255, 0, 93



0, 153, 153



0, 81, 163

Sweetspot

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



206, 39, 237



245, 191, 255



39, 67, 237



122, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

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



206, 39, 237



215, 0, 255



237, 39, 171



115, 106, 117



153, 0, 181



45, 0, 54

Inverse Universe

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



237, 39, 70



255, 0, 40



39, 188, 237



117, 106, 107



181, 0, 28



54, 0, 8

Previews

White Background



This preview shows how the RYB color 206, 39, 237 looks on a white background.

Color Contrast Check

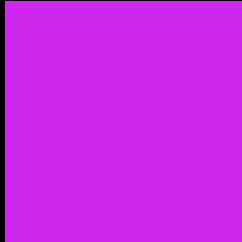
Large Text (above 18pt) WCAG AA ✓ Pass

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 206, 39, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

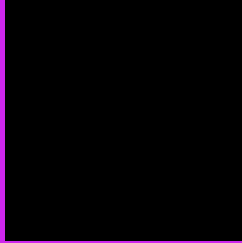
Any Text WCAG AA ✓ Pass

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 206, 39, 237 Background



This preview shows how black text looks on a background with the RYB color 206, 39, 237.

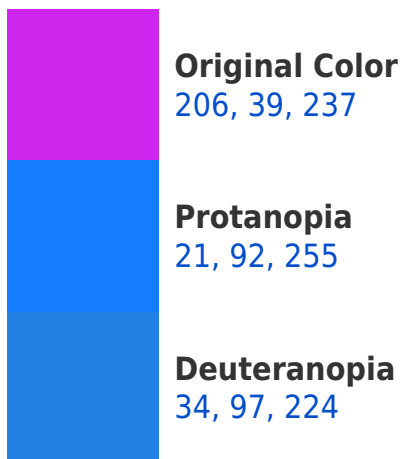


This preview shows how white text looks on a background with the RYB color 206, 39, 237.

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
189, 98, 105

Trichromacy



Original Color

206, 39, 237



Protanomaly

88, 92, 248



Deuteranomaly

97, 96, 229



Tritanomaly

195, 77, 153

Monochromacy



Original Color

206, 39, 237



Achromatopsia

112, 112, 112



Achromatomaly

146, 85, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 206, 39, 237 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(206, 39, 237) looks like.

```
.text, #text, p{  
    color:rgb(206, 39, 237)  
}
```

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(206, 39, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 39, 237) }
```

Border

The CSS property to change the border of an element to RYB 206, 39, 237 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(206, 39, 237) }
```

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

```
.border{ border-color:rgb(206, 39, 237) }
```

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

Here you see how a box with a 4 pixel rgb(206, 39, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 39, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 39, 237);  
box-shadow:4px 4px 4px 4px rgb(206, 39,  
237) }
```

Background

The CSS property to change the background color of an element to RGB 206, 39, 237 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 39, 237) }
```

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

```
.background{ background-color: rgb(206, 39,  
237) }
```

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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