

Converting Colors

`RYB(206, 109, 238)`

Have a look what the booklet for
RYB(206, 109, 238) contains.

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Color

RYB(206, 109, 238)

Conversions

Conversions Part 1

Format	Color
Hex	CE6DEE
RGB	206, 109, 238
RGB Percent	81%, 43%, 93%
CMY	0.1922, 0.5725, 0.0667
CMYK	0.13, 0.54, 0.00, 0.07
HSL	285°, 79%, 68%
HSV	285°, 54%, 93%
XYZ	46.3549, 30.2321, 84.2811
YIQ	152.7090, 16.4030, 60.6830

Conversions

Conversions Part 2

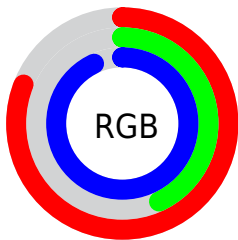
Format	Color
RYB	206, 109, 238
Decimal	13528558
CIELab	61.85, 57.99, -49.40
CIElCh	62, 76.183, 319.573
Yxy	30.2321, 0.2882, 0.1879
Android (android.graphics.Color)	4291718638 (0xFFCE6DEE)
YUV	152.7090, 42.0485, 46.7362
Hunter-Lab	54.9838, 54.2654, -52.3933

Details

The RYB color **206, 109, 238** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **109, 238, 206**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 164, 255**, and **149, 54, 181** is the 20% darker color. If you saturate the color by 10%, you get **200, 85, 238**, and if you desaturate by 10%, it is **212, 133, 238**.

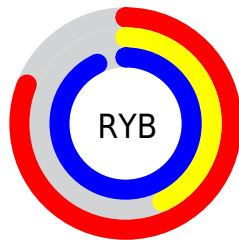
Distribution



Red (81%)

Green (43%)

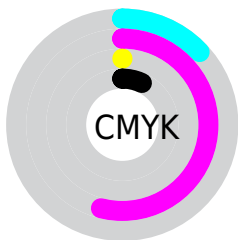
Blue (93%)



Red (81%)

Yellow (43%)

Blue (93%)

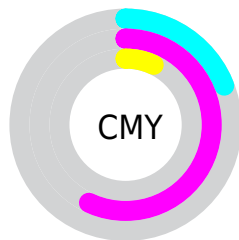


Cyan (13%)

Magenta (54%)

Yellow (0%)

Black (7%)



Cyan (19%)

Magenta (57%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 206, 109, 238 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, 109, 238 by changing the saturation by 10% instead.

 206, 109, 238

 206, 109, 238


255, 255, 255

 177, 82, 209

 255, 164, 255

 149, 54, 181

 255, 192, 255


 121, 23, 154

 255, 221, 255

 94, 0, 128

 255, 250, 255

 66, 0, 102

 41, 0, 77

 4, 0, 53

 0, 2, 31

 0, 0, 2

■ 206, 109, 238

■ 206, 109, 238

■ 200, 85, 238

■ 212, 133, 238

■ 194, 61, 238

■ 218, 157, 238

■ 188, 38, 238

■ 224, 180, 238

■ 182, 14, 238

■ 230, 204, 238

■ 179, 0, 238

■ 236, 228, 238

■ 238, 252, 249

■ 238, 255, 246

■ 238, 255, 240

■ 238, 255, 238

Harmonies

Analogous

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



90, 130, 255



206, 109, 238



255, 78, 176

Triad

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



206, 109, 238



88, 199, 0



0, 93, 193

Complementary

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



206, 109, 238



109, 238, 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, 105, 178



206, 109, 238



0, 159, 21

Square

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



206, 109, 238



245, 137, 45



40, 160, 172



0, 104, 252

Rectangle

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



206, 109, 238



255, 73, 131



40, 160, 172



0, 93, 180

Sweetspot

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



206, 109, 238



245, 214, 255



109, 135, 238



121, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



206, 109, 238



214, 89, 255



238, 109, 206



117, 108, 120



138, 0, 184



42, 0, 56

Inverse Universe

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



238, 109, 141



255, 89, 130



109, 212, 238



120, 108, 111



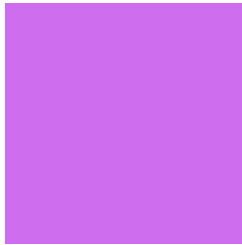
184, 0, 46



56, 0, 14

Previews

White Background



This preview shows how the RYB color 206, 109, 238 looks on a white background.

Color Contrast Check

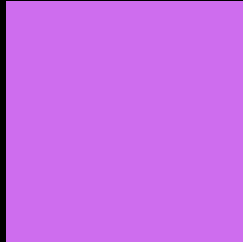
Large Text (above 18pt) WCAG AA × Fail

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, 109, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

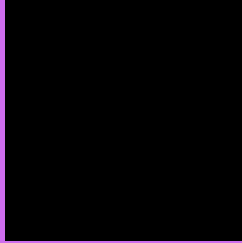
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 206, 109, 238 Background



This preview shows how black text looks on a background with the RYB color 206, 109, 238.

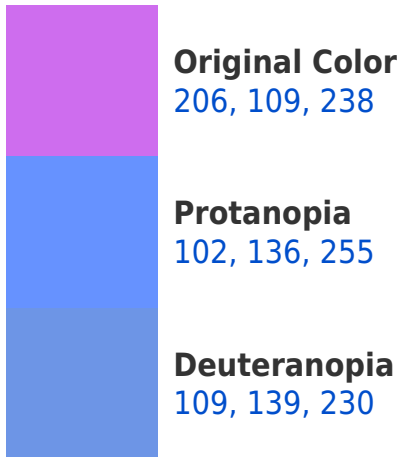


This preview shows how white text looks on a background with the RYB color 206, 109, 238.

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

192, 133, 143

Trichromacy



Original Color

206, 109, 238



Protanomaly

140, 133, 249



Deuteranomaly

144, 134, 233



Tritanomaly

197, 124, 178

Monochromacy



Original Color

206, 109, 238



Achromatopsia

153, 153, 153



Achromatomaly

172, 137, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 206, 109, 238 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, 109, 238) looks like.

```
.text, #text, p{  
    color:rgb(206, 109, 238)  
}
```

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, 109, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 109, 238) }
```

Border

The CSS property to change the border of an element to RYB 206, 109, 238 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, 109, 238) }
```

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

```
.border{ border-color:rgb(206, 109, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 109, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 109, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 109, 238);  
box-shadow:4px 4px 4px 4px rgb(206, 109,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 206, 109, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 109, 238) }
```

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

```
.background{ background-color: rgb(206,  
109, 238) }
```

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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