

Converting Colors

`RYB(209, 110, 245)`

Have a look what the booklet for
RYB(209, 110, 245) contains.

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Color

RYB(209, 110, 245)

Conversions

Conversions Part 1

Format	Color
Hex	D16EF5
RGB	209, 110, 245
RGB Percent	82%, 43%, 96%
CMY	0.1804, 0.5686, 0.0392
CMYK	0.15, 0.55, 0.00, 0.04
HSL	284°, 87%, 70%
HSV	284°, 55%, 96%
XYZ	48.3519, 31.2997, 89.8792
YIQ	154.9910, 15.6690, 62.9730

Conversions

Conversions Part 2

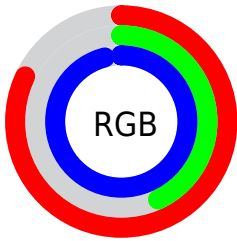
Format	Color
R _Y B	209, 110, 245
Decimal	13725429
CIE Lab	62.76, 59.66, -51.82
CIE LCh	63, 79.024, 319.023
Yxy	31.2997, 0.2852, 0.1846
Android (android.graphics.Color)	4291915509 (0xFFD16EF5)
YUV	154.9910, 44.3744, 47.3659
Hunter-Lab	55.9462, 56.3640, -56.0889

Details

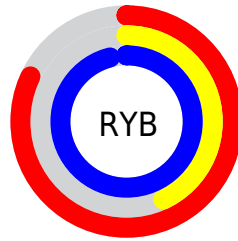
The RYB color **209, 110, 245** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **110, 245, 209**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **255, 165, 255**, and **151, 55, 188** is the 20% darker color. If you saturate the color by 10%, you get **202, 86, 245**, and if you desaturate by 10%, it is **216, 135, 245**.

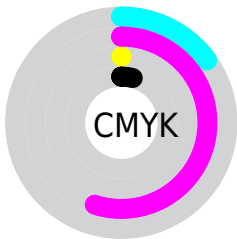
Distribution



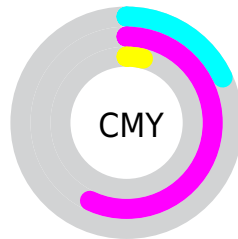
- Red (82%)
- Green (43%)
- Blue (96%)



- Red (82%)
- Yellow (43%)
- Blue (96%)



- Cyan (15%)
- Magenta (55%)
- Yellow (0%)
- Black (4%)



- Cyan (18%)
- Magenta (57%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 209, 110, 245 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 209, 110, 245 by changing the saturation by 10% instead.


 209, 110, 245

 209, 110, 245

255, 255, 255

 180, 83, 216


 255, 165, 255

 151, 55, 188

 255, 193, 255

 123, 23, 161

 255, 222, 255

 96, 0, 134

 255, 252, 255

 68, 0, 108

 42, 0, 83

 7, 0, 59

 0, 2, 36

 0, 0, 12

■ 209, 110, 245

■ 209, 110, 245

■ 202, 86, 245

■ 216, 135, 245

■ 196, 61, 245

■ 222, 159, 245

■ 189, 37, 245

■ 229, 184, 245

■ 183, 12, 245

■ 235, 208, 245

■ 180, 0, 245

■ 242, 233, 245

■ 245, 255, 252

■ 245, 255, 245

Harmonies

Analogous

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



83, 128, 255



209, 110, 245



255, 76, 181

Triad

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



209, 110, 245



95, 204, 0



0, 95, 196

Complementary

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



209, 110, 245



110, 245, 209

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, 108, 181



209, 110, 245



0, 162, 22

Square

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



209, 110, 245



251, 135, 44



37, 164, 175



0, 106, 255

Rectangle

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



209, 110, 245



255, 70, 134



37, 164, 175



0, 94, 183

Sweetspot

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



209, 110, 245



243, 212, 255



110, 138, 245



121, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



209, 110, 245



210, 87, 255



245, 110, 214



119, 110, 122



137, 0, 186



43, 0, 59

Inverse Universe

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



245, 110, 146



255, 87, 132



110, 219, 245



122, 110, 113



186, 0, 50



59, 0, 16

Previews

White Background



This preview shows how the RYB color 209, 110, 245 looks on a white background.

Color Contrast Check

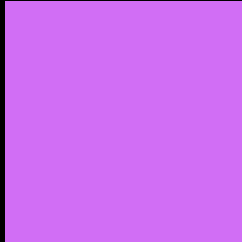
Large Text (above 18pt) WCAG AA × Fail

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 209, 110, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

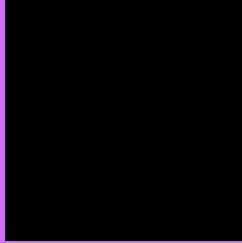
Any Text WCAG AA ✓ Pass

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 209, 110, 245 Background



This preview shows how black text looks on a background with the RYB color 209, 110, 245.

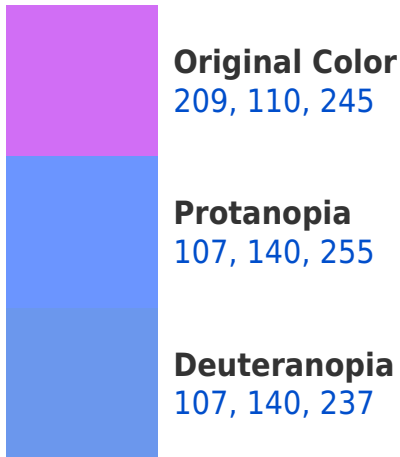



This preview shows how white text looks on a background with the RYB color 209, 110, 245.

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
195, 136, 146

Trichromacy



Original Color

209, 110, 245



Protanomaly

144, 135, 251



Deuteranomaly

144, 137, 240



Tritanomaly

200, 127, 182

Monochromacy



Original Color

209, 110, 245



Achromatopsia

155, 155, 155



Achromatomaly

175, 139, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 209, 110, 245 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(209, 110, 245)` looks like.

```
.text, #text, p{  
    color:rgb(209, 110, 245)  
}
```

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(209, 110, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 110, 245) }
```

Border

The CSS property to change the border of an element to RYB 209, 110, 245 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(209, 110, 245) }
```

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

```
.border{ border-color:rgb(209, 110, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 110, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 110, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 110, 245);  
box-shadow:4px 4px 4px 4px rgb(209, 110,  
245) }
```

Background

The CSS property to change the background color of an element to RGB 209, 110, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 110, 245) }
```

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

```
.background{ background-color: rgb(209,  
110, 245) }
```

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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