

Converting Colors

`RYB(205, 169, 252)`

Have a look what the booklet for RYB(205, 169, 252) contains.

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Color

R_YB(205, 169, 252)

Conversions

Conversions Part 1

Format	Color
Hex	CDA9FC
RGB	205, 169, 252
RGB Percent	80%, 66%, 99%
CMY	0.1961, 0.3373, 0.0118
CMYK	0.19, 0.33, 0.00, 0.01
HSL	266°, 93%, 83%
HSV	266°, 33%, 99%
XYZ	56.9355, 48.3833, 98.4336
YIQ	189.2260, -5.1870, 33.4450

Conversions

Conversions Part 2

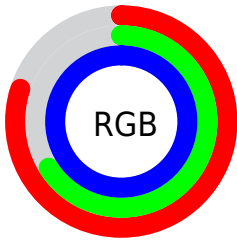
Format	Color
RYB	205, 169, 252
Decimal	13478396
CIELab	75.07, 28.96, -36.38
CIELCh	75, 46.497, 308.526
Yxy	48.3833, 0.2794, 0.2375
Android (android.graphics.Color)	4291668476 (0xFFCDA9FC)
YUV	189.2260, 30.9476, 13.8338
Hunter-Lab	69.5581, 24.3810, -35.2121

Details

The RYB color **205, 169, 252** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **169, 252, 205**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **255, 225, 255**, and **150, 117, 195** is the 20% darker color. If you saturate the color by 10%, you get **191, 144, 252**, and if you desaturate by 10%, it is **219, 194, 252**.

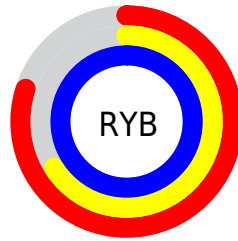
Distribution



Red (80%)

Green (66%)

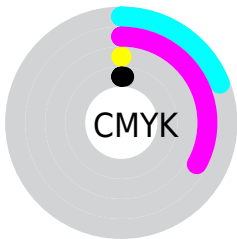
Blue (99%)



Red (80%)

Yellow (66%)

Blue (99%)

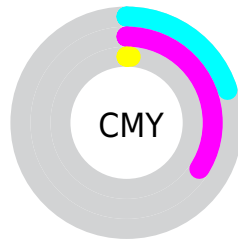


Cyan (19%)

Magenta (33%)

Yellow (0%)

Black (1%)



Cyan (20%)

Magenta (34%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the RYB color 205, 169, 252 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 205, 169, 252 by changing the saturation by 10% instead.


 205, 169, 252

 205, 169, 252


255, 255, 255

 177, 142, 223

 255, 225, 255


 150, 117, 195


 255, 253, 255

 123, 92, 168

 97, 68, 141

 71, 45, 115

 46, 23, 90

 21, 0, 66

 0, 0, 43

 0, 1, 22

■ 205, 169, 252

■ 205, 169, 252

■ 191, 144, 252

■ 219, 194, 252

■ 176, 119, 252

■ 234, 219, 252

■ 162, 93, 252

■ 248, 245, 252

■ 148, 68, 252

252, 255, 252

■ 134, 43, 252

■ 119, 18, 252

■ 109, 0, 252

Harmonies

Analogous

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



139, 172, 255



205, 169, 252



248, 155, 217

Triad

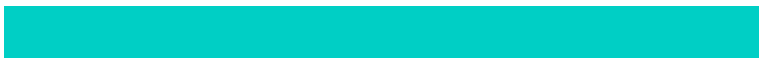
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



205, 169, 252



237, 237, 105



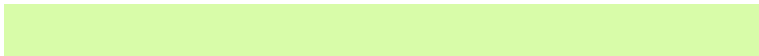
0, 106, 207

Complementary

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



205, 169, 252



169, 252, 205

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.



97, 169, 205



205, 169, 252



114, 200, 98

Square

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



205, 169, 252



255, 162, 134



116, 198, 160



0, 110, 237

Rectangle

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



205, 169, 252



255, 150, 189



116, 198, 160



39, 130, 207

Sweetspot

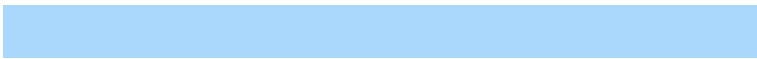
The Sweet Spot groups the original color and five complimentary colors.



205, 169, 252



241, 230, 255



169, 199, 252



119, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



205, 169, 252



197, 153, 255



246, 169, 252



118, 112, 125



82, 0, 189



27, 0, 61

Inverse Universe

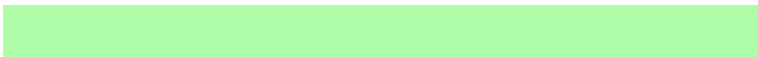
The Inverse Universe completely reimagines the original color for something new.



252, 169, 216



255, 153, 211



169, 252, 246



125, 112, 120



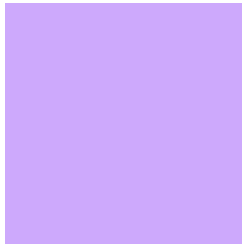
189, 0, 107



61, 0, 35

Previews

White Background



This preview shows how the RYB color 205, 169, 252 looks on a white background.

Color Contrast Check

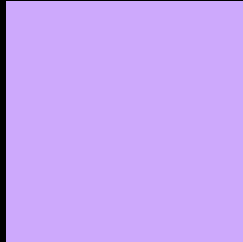
Large Text (above 18pt) WCAG AA × Fail

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 205, 169, 252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

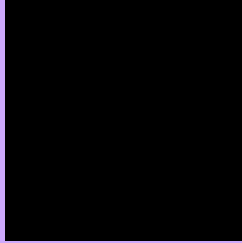
Any Text WCAG AA ✓ Pass

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 205, 169, 252 Background



This preview shows how black text looks on a background with the RYB color 205, 169, 252.



This preview shows how white text looks on a background with the RYB color 205, 169, 252.

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
205, 169, 252

Protanopia
163, 179, 255

Deuteranopia
167, 180, 249



Tritanopia
195, 180, 195

Trichromacy



Original Color

205, 169, 252



Protanomaly

178, 178, 254



Deuteranomaly

181, 177, 250



Tritanomaly

199, 176, 216

Monochromacy



Original Color

205, 169, 252



Achromatopsia

189, 189, 189



Achromatomaly

195, 182, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 169, 252 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(205, 169, 252)` looks like.

```
.text, #text, p{  
    color:rgb(205, 169, 252)  
}
```

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(205, 169, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 169, 252) }
```

Border

The CSS property to change the border of an element to RYB 205, 169, 252 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(205, 169, 252) }
```

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

```
.border{ border-color:rgb(205, 169, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 169, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 169, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 169, 252);  
box-shadow:4px 4px 4px 4px rgb(205, 169,  
252) }
```

Background

The CSS property to change the background color of an element to RGB 205, 169, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 169, 252) }
```

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

```
.background{ background-color: rgb(205,  
169, 252) }
```

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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