

Converting Colors

`RYB(205, 169, 235)`

Have a look what the booklet for
RYB(205, 169, 235) contains.

RYB(205, 169, 235)	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

R_YB(205, 169, 235)

Conversions

Conversions Part 1

Format	Color
Hex	CDA9EB
RGB	205, 169, 235
RGB Percent	80%, 66%, 92%
CMY	0.1961, 0.3373, 0.0784
CMYK	0.13, 0.28, 0.00, 0.08
HSL	273°, 62%, 79%
HSV	273°, 28%, 92%
XYZ	54.3602, 47.3532, 84.8723
YIQ	187.2880, 0.2700, 28.1580

Conversions

Conversions Part 2

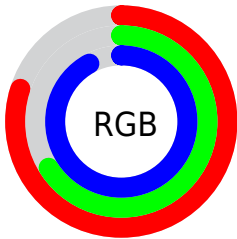
Format	Color
R _Y B	205, 169, 235
Decimal	13478379
CIE Lab	74.42, 25.31, -28.17
CIE LCh	74, 37.876, 311.939
Yxy	47.3532, 0.2913, 0.2538
Android (android.graphics.Color)	4291668459 (0xFFCDA9EB)
YUV	187.2880, 23.5220, 15.5334
Hunter-Lab	68.8137, 20.5843, -24.9565

Details

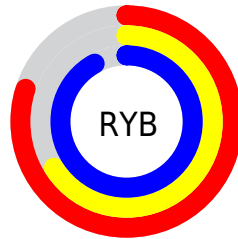
The RYB color **205, 169, 235** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **169, 235, 205**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **255, 224, 255**, and **150, 117, 179** is the 20% darker color. If you saturate the color by 10%, you get **194, 146, 235**, and if you desaturate by 10%, it is **216, 193, 235**.

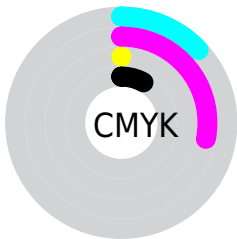
Distribution



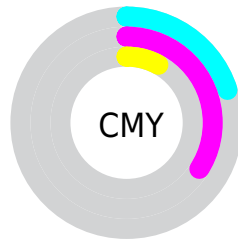
- Red (80%)
- Green (66%)
- Blue (92%)



- Red (80%)
- Yellow (66%)
- Blue (92%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (8%)



- Cyan (20%)
- Magenta (34%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the RYB color 205, 169, 235 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, 235 by changing the saturation by 10% instead.


 205, 169, 235

 205, 169, 235

255, 255, 255

 177, 142, 207

 255, 224, 255

 150, 117, 179

 255, 253, 255

 124, 92, 152

 98, 68, 126

 73, 45, 101

 49, 23, 77

 27, 0, 53


 0, 1, 32

 0, 0, 3

 205, 169, 235


 205, 169, 235

 194, 146, 235

 216, 193, 235

 184, 122, 235

 226, 216, 235

 173, 98, 235


 235, 240, 238

 162, 75, 235

 235, 255, 242

 152, 52, 235

 235, 255, 235

 141, 28, 235

 130, 4, 235

 128, 0, 235

Harmonies

Analogous

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



156, 176, 251



205, 169, 235



238, 159, 205

Triad

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



205, 169, 235



214, 225, 117



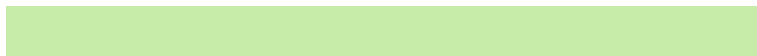
66, 136, 202

Complementary

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



205, 169, 235



169, 235, 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.



111, 168, 200



205, 169, 235



123, 193, 114

Square

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



205, 169, 235



246, 169, 138



130, 195, 171



51, 132, 228

Rectangle

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



205, 169, 235



249, 156, 182



130, 195, 171



81, 146, 202

Sweetspot

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



205, 169, 235



246, 235, 255



169, 190, 235



122, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



205, 169, 235



216, 168, 255



235, 169, 233



112, 106, 117



99, 0, 181



29, 0, 54

Inverse Universe

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



235, 169, 199



255, 168, 208



169, 233, 235



117, 106, 111



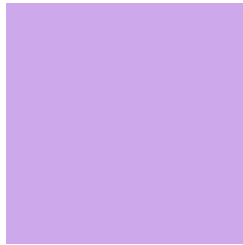
181, 0, 82



54, 0, 24

Previews

White Background



This preview shows how the RYB color 205, 169, 235 looks on a white background.

Color Contrast Check

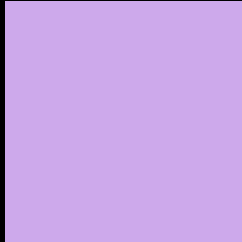
Large Text (above 18pt) WCAG AA × Fail

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, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

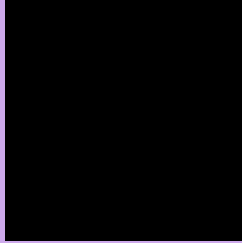
Any Text WCAG AA ✓ Pass

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, 235 Background



This preview shows how black text looks on a background with the RYB color 205, 169, 235.

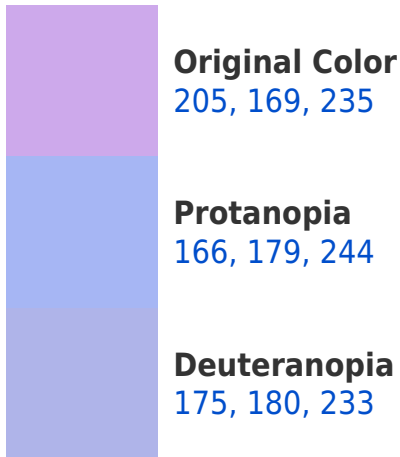


This preview shows how white text looks on a background with the RYB color 205, 169, 235.

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
198, 177, 191

Trichromacy



Original Color
205, 169, 235

Protanomaly
180, 177, 241

Deuteranomaly
186, 176, 234

Tritanomaly
201, 174, 207

Monochromacy



Original Color
205, 169, 235

Achromatopsia
187, 187, 187

Achromatomaly
194, 180, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 169, 235 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, 235) looks like.

```
.text, #text, p{  
    color:rgb(205, 169, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 169, 235) }
```

Border

The CSS property to change the border of an element to RYB 205, 169, 235 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, 235) }
```

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

```
.border{ border-color:rgb(205, 169, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 169, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 169, 235);  
box-shadow:4px 4px 4px 4px rgb(205, 169,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 205, 169, 235 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, 235) }
```

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

```
.background{ background-color: rgb(205,  
169, 235) }
```

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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