

# Converting Colors

`RYB(205, 189, 230)`

Have a look what the booklet for  
RYB(205, 189, 230) contains.

<b>RYB(205, 189, 230)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(205, 189, 230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDBDE6
RGB	205, 189, 230
RGB Percent	80%, 74%, 90%
CMY	0.1961, 0.2588, 0.0980
CMYK	0.11, 0.18, 0.00, 0.10
HSL	263°, 45%, 82%
HSV	263°, 18%, 90%
XYZ	57.6574, 55.0875, 82.4570
YIQ	198.4580, -3.6250, 16.1430

# Conversions

## Conversions Part 2

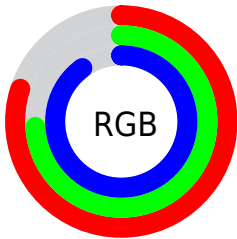
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 189, 230
Decimal	13483494
CIE <sub>Lab</sub>	79.09, 13.38, -18.35
CIE <sub>LCh</sub>	79, 22.711, 306.108
Yxy	55.0875, 0.2954, 0.2822
Android (android.graphics.Color)	4291673574 (0xFFCDBDE6)
YUV	198.4580, 15.5502, 5.7373
Hunter-Lab	74.2210, 8.7782, -13.9145

# Details

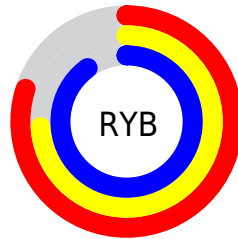
The RYB color **205, 189, 230** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **189, 230, 205**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **255, 245, 255**, and **151, 136, 174** is the 20% darker color. If you saturate the color by 10%, you get **191, 166, 230**, and if you desaturate by 10%, it is **219, 212, 230**.

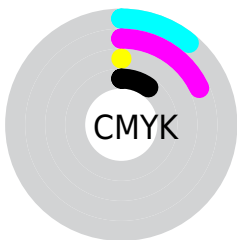
# Distribution



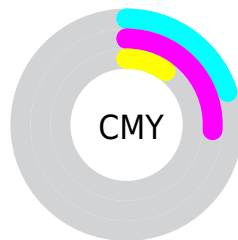
- Red (80%)
- Green (74%)
- Blue (90%)



- Red (80%)
- Yellow (74%)
- Blue (90%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)



- Cyan (20%)
- Magenta (26%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 205, 189, 230 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, 189, 230 by changing the saturation by 10% instead.




 205, 189, 230

255, 255, 255

 255, 245, 255

 205, 189, 230

 177, 162, 202

 151, 136, 174

 124, 110, 148

 99, 86, 122

 75, 63, 97

 52, 41, 73


 30, 20, 50

 5, 0, 30


 0, 0, 0

 205, 189, 230

 205, 189, 230

 191, 166, 230

 219, 212, 230

 177, 143, 230


 230, 235, 232


 163, 120, 230

 230, 255, 238


 149, 97, 230


 230, 255, 230

 135, 74, 230

 121, 51, 230

 107, 28, 230

 93, 5, 230

 90, 0, 230

# Harmonies

## Analogous

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



177, 191, 238



205, 189, 230



227, 183, 213

# Triad

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



205, 189, 230



227, 214, 158



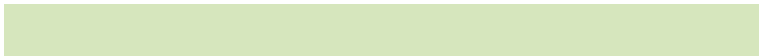
142, 177, 208

# Complementary

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



205, 189, 230



189, 230, 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.



160, 193, 206



205, 189, 230



169, 208, 154

# Square

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



205, 189, 230



238, 185, 172



161, 202, 179



138, 175, 220

# Rectangle

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



205, 189, 230



236, 181, 199



161, 202, 179



147, 182, 208



# Sweetspot

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



205, 189, 230



247, 242, 255



189, 205, 230



123, 120, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



205, 189, 230



222, 201, 255



225, 189, 230



108, 103, 115



70, 0, 179



20, 0, 51



# Inverse Universe

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



230, 189, 214



255, 201, 234



189, 230, 225



115, 103, 110



179, 0, 109

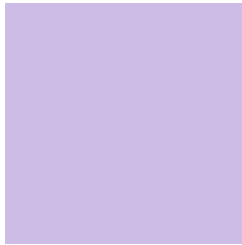


51, 0, 31



# Previews

## White Background



This preview shows how the RYB color 205, 189, 230 looks on a white background.

## Color Contrast Check

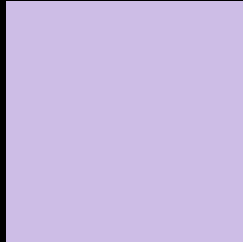
Large Text (above 18pt) WCAG AA × Fail

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, 189, 230 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, 189, 230 Background



This preview shows how black text looks on a background with the RYB color 205, 189, 230.



This preview shows how white text looks on a background with the RYB color 205, 189, 230.

# 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, 189, 230

**Protanopia**  
188, 193, 233

**Deuteranopia**  
199, 191, 230



**Tritanopia**  
201, 193, 208

# Trichromacy



**Original Color**  
205, 189, 230

**Protanomaly**  
194, 192, 232

**Deuteranomaly**  
201, 190, 230

**Tritanomaly**  
202, 192, 216

# Monochromacy



**Original Color**  
205, 189, 230

**Achromatopsia**  
198, 198, 198

**Achromatomaly**  
201, 195, 210

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 205, 189, 230 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, 189, 230)` looks like.

```
.text, #text, p{  
    color:rgb(205, 189, 230)  
}
```

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, 189, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 189, 230) }
```

## Border

The CSS property to change the border of an element to RYB 205, 189, 230 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, 189, 230) }
```

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

```
.border{ border-color:rgb(205, 189, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 189, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 189, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 189, 230);  
box-shadow:4px 4px 4px 4px rgb(205, 189,  
230) }
```

# Background

The CSS property to change the background color of an element to RYB 205, 189, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 189, 230) }
```

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

```
.background{ background-color: rgb(205,  
189, 230) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor