

Converting Colors

`RYB(205, 165, 248)`

Have a look what the booklet for RYB(205, 165, 248) contains.

RYB(205, 165, 248)	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, 165, 248)

Conversions

Conversions Part 1

Format	Color
Hex	CDA5F8
RGB	205, 165, 248
RGB Percent	80%, 65%, 97%
CMY	0.1961, 0.3529, 0.0275
CMYK	0.17, 0.33, 0.00, 0.03
HSL	269°, 86%, 81%
HSV	269°, 33%, 97%
XYZ	55.5752, 46.6667, 94.8854
YIQ	186.4220, -2.8030, 34.2930

Conversions

Conversions Part 2

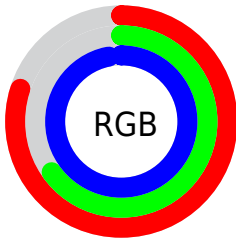
Format	Color
R _{YB}	205, 165, 248
Decimal	13477368
CIE Lab	73.98, 30.28, -35.90
CIE LCh	74, 46.964, 310.141
Yxy	46.6667, 0.2819, 0.2367
Android (android.graphics.Color)	4291667448 (0xFFCDA5F8)
YUV	186.4220, 30.3580, 16.2929
Hunter-Lab	68.3130, 25.6687, -34.5334

Details

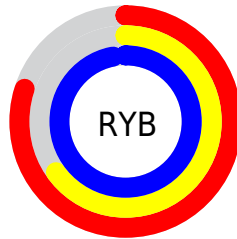
The RYB color **205, 165, 248** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **165, 248, 205**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **255, 220, 255**, and **150, 113, 191** is the 20% darker color. If you saturate the color by 10%, you get **192, 140, 248**, and if you desaturate by 10%, it is **218, 190, 248**.

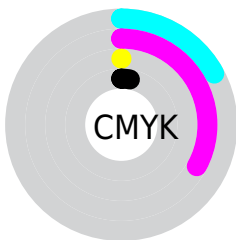
Distribution



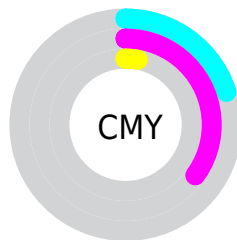
- Red (80%)
- Green (65%)
- Blue (97%)



- Red (80%)
- Yellow (65%)
- Blue (97%)



- Cyan (17%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)




- Cyan (20%)
- Magenta (35%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the RYB color 205, 165, 248 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, 165, 248 by changing the saturation by 10% instead.


 205, 165, 248

 205, 165, 248

255, 255, 255

 177, 138, 219

 255, 220, 255

 150, 113, 191

 255, 249, 255

 123, 88, 164

 97, 64, 137

 71, 41, 112

 46, 19, 87

 23, 0, 63

 0, 0, 40

 0, 1, 18

■ 205, 165, 248

■ 205, 165, 248

■ 192, 140, 248

■ 218, 190, 248

■ 179, 115, 248

■ 231, 215, 248

■ 166, 91, 248

■ 244, 239, 248

■ 154, 66, 248

■ 248, 255, 248

■ 141, 41, 248

■ 128, 16, 248

■ 120, 0, 248

Harmonies

Analogous

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



139, 170, 255



205, 165, 248



247, 151, 212

Triad

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



205, 165, 248



225, 233, 101



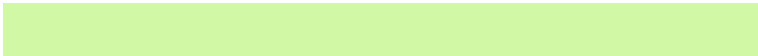
0, 104, 204

Complementary

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



205, 165, 248



165, 248, 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.



89, 162, 202



205, 165, 248



106, 194, 95

Square

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



205, 165, 248



255, 162, 128



114, 195, 161



0, 109, 236

Rectangle

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



205, 165, 248



255, 147, 183



114, 195, 161



15, 116, 204

Sweetspot

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



205, 165, 248



242, 230, 255



165, 194, 248



120, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



205, 165, 248



202, 153, 255



245, 165, 248



118, 112, 125



91, 0, 189



29, 0, 61

Inverse Universe

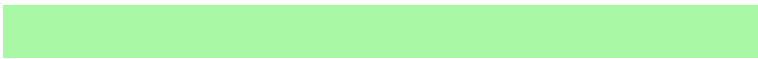
The Inverse Universe completely reimagines the original color for something new.



248, 165, 208



255, 153, 206



165, 248, 245



125, 112, 119



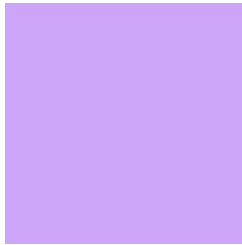
189, 0, 98



61, 0, 32

Previews

White Background



This preview shows how the RYB color 205, 165, 248 looks on a white background.

Color Contrast Check

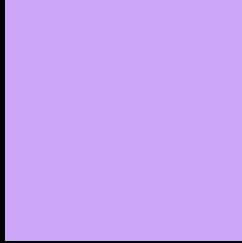
Large Text (above 18pt) WCAG AA × Fail

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, 165, 248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

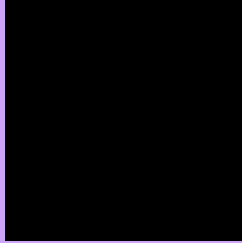
Any Text WCAG AA ✓ Pass

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, 165, 248 Background



This preview shows how black text looks on a background with the RYB color 205, 165, 248.



This preview shows how white text looks on a background with the RYB color 205, 165, 248.

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, 177, 190

Trichromacy



Original Color
205, 165, 248

Protanomaly
176, 174, 252

Deuteranomaly
179, 174, 246

Tritanomaly
199, 173, 211

Monochromacy



Original Color
205, 165, 248

Achromatopsia
186, 186, 186

Achromatomaly
193, 178, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 165, 248 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, 165, 248) looks like.

```
.text, #text, p{  
    color:rgb(205, 165, 248)  
}
```

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, 165, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 165, 248) }
```

Border

The CSS property to change the border of an element to RYB 205, 165, 248 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, 165, 248) }
```

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

```
.border{ border-color:rgb(205, 165, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 165, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 165, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 165, 248);  
box-shadow:4px 4px 4px 4px rgb(205, 165,  
248) }
```

Background

The CSS property to change the background color of an element to RYB 205, 165, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 165, 248) }
```

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

```
.background{ background-color: rgb(205,  
165, 248) }
```

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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