

Converting Colors

`RYB(205, 101, 200)`

Have a look what the booklet for
RYB(205, 101, 200) contains.

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Color

R_YB(205, 101, 200)

Conversions

Conversions Part 1

Format	Color
Hex	CD65C8
RGB	205, 101, 200
RGB Percent	80%, 40%, 78%
CMY	0.1961, 0.6039, 0.2157
CMYK	0.00, 0.51, 0.02, 0.20
HSL	303°, 51%, 60%
HSV	303°, 51%, 80%
XYZ	40.2558, 26.4566, 57.6285
YIQ	143.3820, 30.2050, 52.8370

Conversions

Conversions Part 2

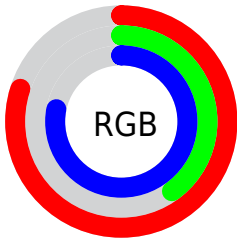
Format	Color
R_{YB}	205, 101, 200
Decimal	13460936
CIE _{Lab}	58.47, 54.51, -33.39
CIE _{LCh}	58, 63.921, 328.513
Yxy	26.4566, 0.3238, 0.2128
Android (android.graphics.Color)	4291651016 (0xFFCD65C8)
YUV	143.3820, 27.9127, 54.0390
Hunter-Lab	51.4360, 49.6881, -30.4229

Details

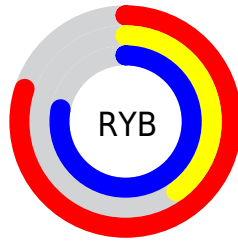
The RYB color **205, 101, 200** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **101, 200, 205**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **255, 156, 255**, and **148, 46, 146** is the 20% darker color. If you saturate the color by 10%, you get **205, 81, 199**, and if you desaturate by 10%, it is **205, 122, 201**.

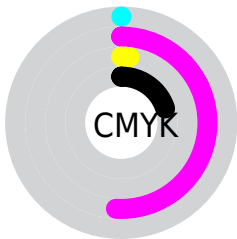
Distribution



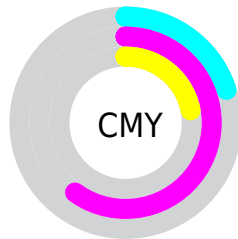
- Red (80%)
- Green (40%)
- Blue (78%)



- Red (80%)
- Yellow (40%)
- Blue (78%)



- Cyan (0%)
- Magenta (51%)
- Yellow (2%)
- Black (20%)



- Cyan (20%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the RYB color 205, 101, 200 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, 101, 200 by changing the saturation by 10% instead.

 205, 101, 200

 205, 101, 200


255, 255, 255

 176, 74, 172

 255, 156, 255

 148, 46, 146

 255, 184, 255

 121, 11, 120

 255, 212, 255

 94, 0, 95

 255, 241, 255


 68, 0, 70

 45, 0, 48


 0, 0, 26


 0, 0, 0

 205, 101, 200


 205, 101, 200

 205, 81, 199


 205, 122, 201

 205, 60, 198

 205, 142, 202

 205, 39, 197

 205, 163, 203

 205, 19, 196

 205, 183, 204

 205, 0, 195

 205, 204, 205

 205, 223, 224

 205, 243, 245

 205, 252, 255

 205, 251, 255

Harmonies

Analogous

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



134, 127, 240



205, 101, 200



237, 84, 146

Triad

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



205, 101, 200



41, 170, 0



0, 89, 193

Complementary

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



205, 101, 200



101, 200, 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.



0, 91, 166



205, 101, 200



26, 153, 64

Square

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



205, 101, 200



213, 169, 42



4, 111, 162



0, 96, 236

Rectangle

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



205, 101, 200



241, 86, 108



4, 111, 162



0, 85, 175

Sweetspot

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



205, 101, 200



255, 217, 253



104, 101, 205



128, 105, 126



0, 0, 0



128, 128, 128

Same Dimension

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



205, 101, 200



255, 99, 248



205, 101, 150



102, 92, 102



166, 0, 158



38, 0, 36

Inverse Universe

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



205, 101, 200



255, 99, 248



101, 169, 205



102, 92, 102



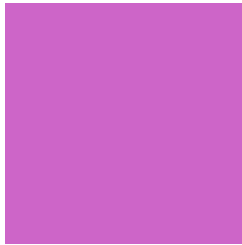
166, 0, 158



38, 0, 36

Previews

White Background



This preview shows how the RYB color 205, 101, 200 looks on a white background.

Color Contrast Check

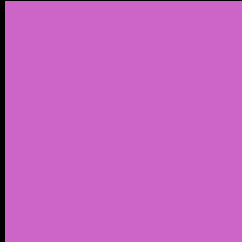
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

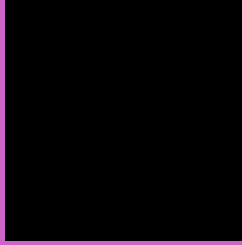
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 205, 101, 200 Background



This preview shows how black text looks on a background with the RYB color 205, 101, 200.

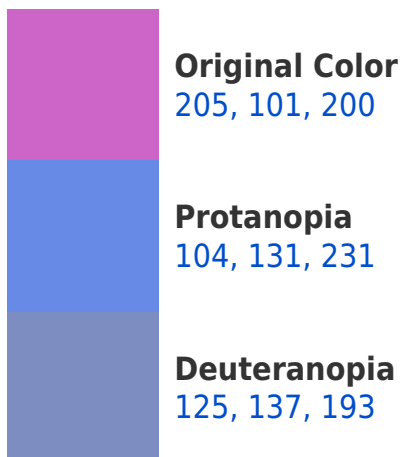



This preview shows how white text looks on a background with the RYB color 205, 101, 200.

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
196, 119, 127

Trichromacy



Original Color

205, 101, 200



Protanomaly

141, 125, 220



Deuteranomaly

154, 125, 196



Tritanomaly

199, 112, 154

Monochromacy



Original Color

205, 101, 200



Achromatopsia

143, 143, 143



Achromatomaly

166, 128, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 101, 200 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, 101, 200)` looks like.

```
.text, #text, p{  
    color:rgb(205, 101, 200)  
}
```

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, 101, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 101, 200) }
```

Border

The CSS property to change the border of an element to RYB 205, 101, 200 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, 101, 200) }
```

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

```
.border{ border-color:rgb(205, 101, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 101, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 101, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 101, 200);  
box-shadow:4px 4px 4px 4px rgb(205, 101,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 205, 101, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 101, 200) }
```

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

```
.background{ background-color: rgb(205,  
101, 200) }
```

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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