

Converting Colors

`RYB(200, 85, 229)`

Have a look what the booklet for RYB(200, 85, 229) contains.

RYB(200, 85, 229)	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(200, 85, 229)

Conversions

Conversions Part 1

Format	Color
Hex	C855E5
RGB	200, 85, 229
RGB Percent	78%, 33%, 90%
CMY	0.2157, 0.6667, 0.1020
CMYK	0.13, 0.63, 0.00, 0.10
HSL	288°, 73%, 62%
HSV	288°, 63%, 90%
XYZ	41.2108, 24.4335, 76.6728
YIQ	135.8010, 22.3160, 69.1640

Conversions

Conversions Part 2

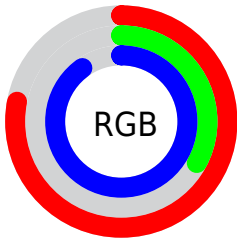
Format	Color
R _Y B	200, 85, 229
Decimal	13129189
CIE _{Lab}	56.52, 65.85, -52.90
CIE _{LCh}	57, 84.470, 321.226
Yxy	24.4335, 0.2896, 0.1717
Android (android.graphics.Color)	4291319269 (0xFFC855E5)
YUV	135.8010, 45.9471, 56.3025
Hunter-Lab	49.4303, 62.3153, -57.3654

Details

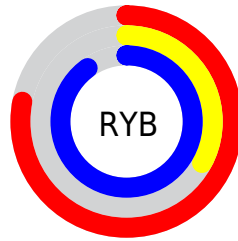
The RYB color **200, 85, 229** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **85, 229, 200**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 141, 255**, and **142, 20, 173** is the 20% darker color. If you saturate the color by 10%, you get **195, 62, 229**, and if you desaturate by 10%, it is **205, 108, 229**.

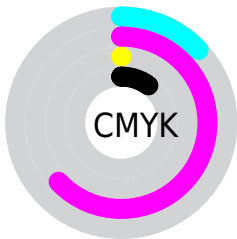
Distribution



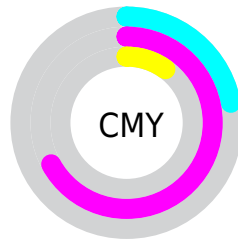
- Red (78%)
- Green (33%)
- Blue (90%)



- Red (78%)
- Yellow (33%)
- Blue (90%)



- Cyan (13%)
- Magenta (63%)
- Yellow (0%)
- Black (10%)



















- Cyan (22%)
- Magenta (67%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 85, 229 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 200, 85, 229 by changing the saturation by 10% instead.

 200, 85, 229	 200, 85, 229
 255, 255, 255	 171, 56, 201
 255, 141, 255	 142, 20, 173
 255, 169, 255	 114, 0, 146
 255, 198, 255	 86, 0, 119
 255, 227, 255	 59, 0, 94
	 32, 0, 69
	 0, 0, 46
	 0, 1, 24
	 0, 0, 0

■ 200, 85, 229

■ 200, 85, 229

■ 195, 62, 229

■ 205, 108, 229

■ 191, 39, 229

■ 209, 131, 229

■ 186, 16, 229

■ 214, 154, 229

■ 183, 0, 229

■ 218, 177, 229

■ 223, 200, 229

■ 228, 222, 229

■ 229, 245, 242

■ 229, 255, 247

■ 229, 255, 242

Harmonies

Analogous

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



61, 110, 255



200, 85, 229



252, 33, 160

Triad

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



200, 85, 229



83, 182, 0



0, 88, 187

Complementary

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



200, 85, 229



85, 229, 200

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, 99, 165



200, 85, 229



0, 147, 32

Square

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



200, 85, 229



233, 142, 2



0, 138, 160



0, 99, 250

Rectangle

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



200, 85, 229



255, 25, 112



0, 138, 160



0, 85, 167

Sweetspot

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



200, 85, 229



245, 207, 255



85, 111, 229



122, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



200, 85, 229



216, 64, 255



229, 85, 188



112, 103, 115



143, 0, 179



41, 0, 51

Inverse Universe

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



229, 85, 114



255, 64, 102



85, 197, 229



115, 103, 106



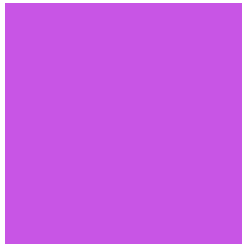
179, 0, 36



51, 0, 10

Previews

White Background



This preview shows how the RYB color 200, 85, 229 looks on a white background.

Color Contrast Check

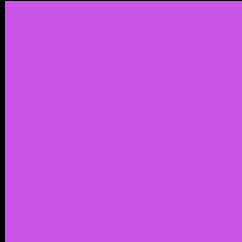
Large Text (above 18pt) WCAG AA ✓ Pass

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 200, 85, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

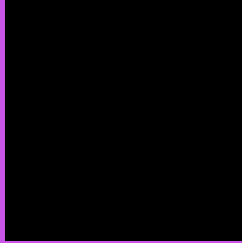
Any Text WCAG AA ✓ Pass

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 200, 85, 229 Background



This preview shows how black text looks on a background with the RYB color 200, 85, 229.

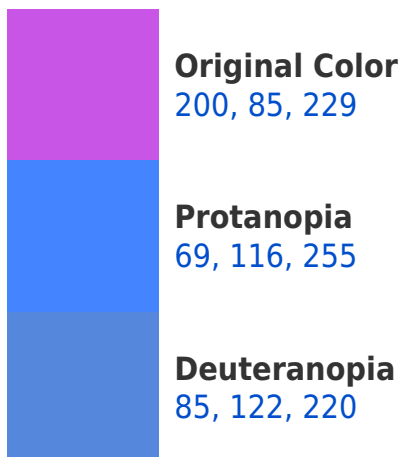



This preview shows how white text looks on a background with the RYB color 200, 85, 229.

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
186, 116, 124

Trichromacy



Original Color

200, 85, 229



Protanomaly

117, 115, 246



Deuteranomaly

127, 117, 223



Tritanomaly

191, 105, 162

Monochromacy



Original Color

200, 85, 229



Achromatopsia

136, 136, 136



Achromatomaly

159, 117, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 85, 229 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(200, 85, 229) looks like.

```
.text, #text, p{  
    color:rgb(200, 85, 229)  
}
```

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(200, 85, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 85, 229) }
```

Border

The CSS property to change the border of an element to RYB 200, 85, 229 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(200, 85, 229) }
```

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

```
.border{ border-color:rgb(200, 85, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 85, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 85, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 85, 229);  
box-shadow:4px 4px 4px 4px rgb(200, 85,  
229) }
```

Background

The CSS property to change the background color of an element to RGB 200, 85, 229 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 85, 229) }
```

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

```
.background{ background-color: rgb(200, 85,  
229) }
```

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