

Converting Colors

`RYB(205, 133, 175)`

Have a look what the booklet for RYB(205, 133, 175) contains.

RYB(205, 133, 175)	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, 133, 175)

Conversions

Conversions Part 1

Format	Color
Hex	CD85AF
RGB	205, 133, 175
RGB Percent	80%, 52%, 69%
CMY	0.1961, 0.4784, 0.3137
CMYK	0.00, 0.35, 0.15, 0.20
HSL	325°, 42%, 66%
HSV	325°, 35%, 80%
XYZ	41.3022, 32.8493, 44.7211
YIQ	159.3160, 29.4300, 28.3260

Conversions

Conversions Part 2

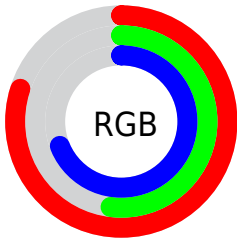
Format	Color
R_{YB}	205, 133, 175
Decimal	13469103
CIE _{Lab}	64.04, 33.72, -10.67
CIE _{LCh}	64, 35.370, 342.444
Yxy	32.8493, 0.3474, 0.2763
Android (android.graphics.Color)	4291659183 (0xFFCD85AF)
YUV	159.3160, 7.7322, 40.0649
Hunter-Lab	57.3143, 28.3317, -6.1427

Details

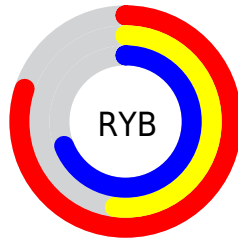
The RYB color **205, 133, 175** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **133, 184, 205**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **255, 187, 231**, and **149, 82, 123** is the 20% darker color. If you saturate the color by 10%, you get **205, 113, 166**, and if you desaturate by 10%, it is **205, 154, 184**.

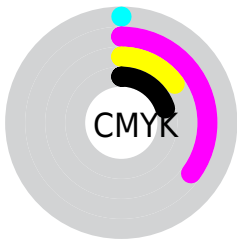
Distribution



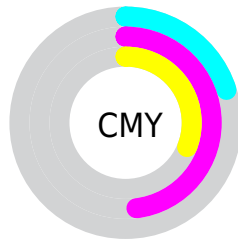
- Red (80%)
- Green (52%)
- Blue (69%)



- Red (80%)
- Yellow (52%)
- Blue (69%)



- Cyan (0%)
- Magenta (35%)
- Yellow (15%)
- Black (20%)



- Cyan (20%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the RYB color 205, 133, 175 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, 133, 175 by changing the saturation by 10% instead.

 205, 133, 175

 205, 133, 175

255, 255, 255

 177, 107, 148

 255, 187, 231


 149, 82, 123

 255, 215, 255

 123, 57, 98

 255, 244, 255

 97, 33, 74


 71, 6, 51

 48, 0, 30

 18, 0, 1

 0, 0, 0

 205, 133, 175


 205, 133, 175

 205, 113, 166


 205, 154, 184

 205, 92, 158


 205, 174, 192

 205, 72, 149


 205, 195, 201

 205, 51, 141

 205, 212, 215

 205, 31, 132

 205, 227, 236

 205, 10, 124

 205, 240, 255

 205, 0, 120

 205, 236, 255

 205, 233, 255

 205, 231, 255

Harmonies

Analogous

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



176, 142, 202



205, 133, 175



217, 131, 143

Triad

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



205, 133, 175



98, 163, 93



19, 101, 197

Complementary

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



205, 133, 175



133, 184, 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.



42, 108, 172



205, 133, 175



108, 166, 146

Square

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



205, 133, 175



179, 192, 95



88, 141, 171



76, 130, 215

Rectangle

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



205, 133, 175



215, 135, 123



88, 141, 171



12, 96, 188

Sweetspot

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



205, 133, 175



255, 227, 243



163, 133, 205



128, 111, 121



0, 0, 0



128, 128, 128

Same Dimension

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



205, 133, 175



255, 148, 210



205, 133, 139



102, 92, 98



166, 0, 97



38, 0, 22

Inverse Universe

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



205, 133, 175



255, 148, 210



133, 171, 205



102, 92, 98



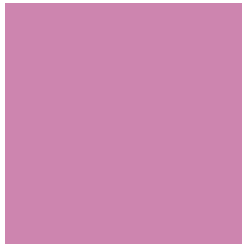
166, 0, 97



38, 0, 22

Previews

White Background



This preview shows how the RYB color 205, 133, 175 looks on a white background.

Color Contrast Check

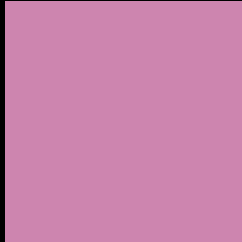
Large Text (above 18pt) WCAG AA × Fail

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, 133, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

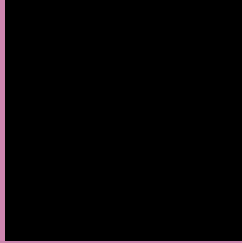
Any Text WCAG AA ✓ Pass

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, 133, 175 Background



This preview shows how black text looks on a background with the RYB color 205, 133, 175.

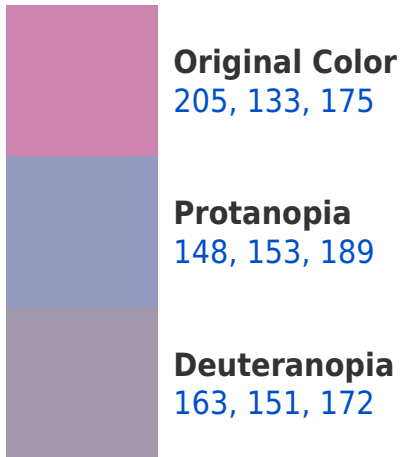


This preview shows how white text looks on a background with the RYB color 205, 133, 175.

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

202, 138, 148

Trichromacy



Original Color

205, 133, 175



Protanomaly

169, 146, 184



Deuteranomaly

178, 144, 173



Tritanomaly

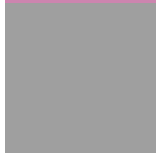
203, 136, 158

Monochromacy



Original Color

205, 133, 175



Achromatopsia

159, 159, 159



Achromatomaly

176, 150, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 133, 175 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, 133, 175) looks like.

```
.text, #text, p{  
    color:rgb(205, 133, 175)  
}
```

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, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 133, 175) }
```

Border

The CSS property to change the border of an element to RYB 205, 133, 175 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, 133, 175) }
```

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

```
.border{ border-color:rgb(205, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(205, 133,  
175) }
```

Background

The CSS property to change the background color of an element to RGB 205, 133, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 133, 175) }
```

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

```
.background{ background-color: rgb(205,  
133, 175) }
```

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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