

Converting Colors

`RYB(205, 175, 255)`

Have a look what the booklet for RYB(205, 175, 255) contains.

RYB(205, 175, 255)	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, 175, 255)

Conversions

Conversions Part 1

Format	Color
Hex	CDAFFF
RGB	205, 175, 255
RGB Percent	80%, 69%, 100%
CMY	0.1961, 0.3137, 0.0000
CMYK	0.20, 0.31, 0.00, 0.00
HSL	262°, 100%, 84%
HSV	262°, 31%, 100%
XYZ	58.5568, 50.8591, 101.3382
YIQ	193.0900, -7.8000, 31.2400

Conversions

Conversions Part 2

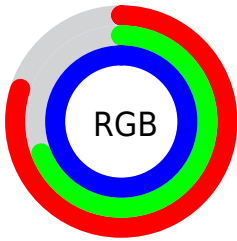
Format	Color
R_{YB}	205, 175, 255
Decimal	13479935
CIE _{Lab}	76.59, 26.34, -35.63
CIE _{LCh}	77, 44.306, 306.479
Yxy	50.8591, 0.2778, 0.2413
Android (android.graphics.Color)	4291670015 (0xFFCDAFFF)
YUV	193.0900, 30.5216, 10.4451
Hunter-Lab	71.3156, 21.7632, -34.3292

Details

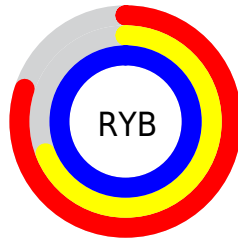
The RYB color **205, 175, 255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **175, 255, 205**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **255, 231, 255**, and **150, 122, 198** is the 20% darker color. If you saturate the color by 10%, you get **189, 149, 255**, and if you desaturate by 10%, it is **221, 201, 255**.

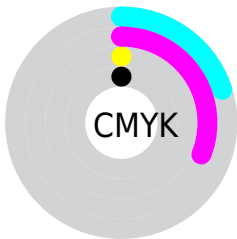
Distribution



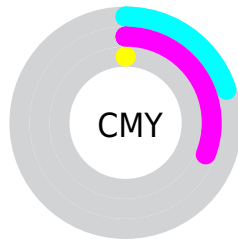
- Red (80%)
- Green (69%)
- Blue (100%)



- Red (80%)
- Yellow (69%)
- Blue (100%)



- Cyan (20%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 175, 255 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, 175, 255 by changing the saturation by 10% instead.


 205, 175, 255

 205, 175, 255

255, 255, 255

 177, 148, 226

 255, 231, 255


 150, 122, 198

 123, 97, 170

 97, 73, 144

 71, 50, 118

 46, 28, 93

 21, 7, 69

 0, 0, 46

 0, 1, 24

■ 205, 175, 255

■ 205, 175, 255

■ 189, 149, 255

■ 221, 201, 255

■ 173, 124, 255

■ 237, 226, 255

■ 157, 98, 255

■ 253, 252, 255

■ 141, 73, 255

255, 255, 255

■ 125, 48, 255

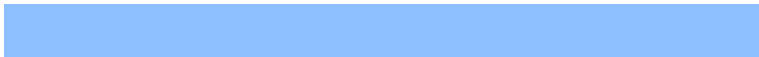
■ 109, 22, 255

■ 96, 0, 255

Harmonies

Analogous

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



142, 176, 255



205, 175, 255



248, 162, 223

Triad

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



205, 175, 255



242, 231, 114



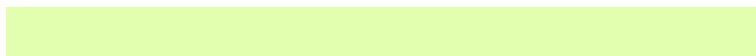
37, 128, 211

Complementary

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



205, 175, 255



175, 255, 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.



111, 178, 208



205, 175, 255



128, 207, 106

Square

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



205, 175, 255



255, 166, 142



121, 201, 159



0, 111, 236

Rectangle

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



205, 175, 255



255, 157, 196



121, 201, 159



68, 146, 210

Sweetspot

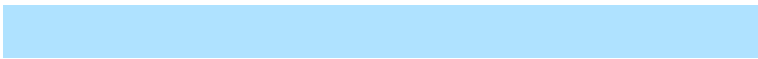
The Sweet Spot groups the original color and five complimentary colors.



205, 175, 255



241, 232, 255



175, 206, 255



119, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



205, 175, 255



194, 158, 255



244, 175, 255



120, 115, 128



72, 0, 191



24, 0, 64

Inverse Universe

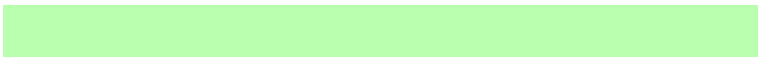
The Inverse Universe completely reimagines the original color for something new.



255, 175, 225



255, 158, 219



175, 255, 244



128, 115, 123



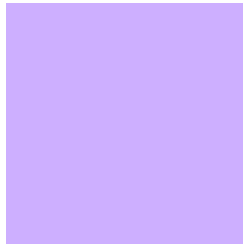
191, 0, 120



64, 0, 40

Previews

White Background



This preview shows how the RYB color 205, 175, 255 looks on a white background.

Color Contrast Check

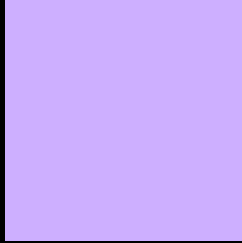
Large Text (above 18pt) WCAG AA × Fail

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, 175, 255 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, 175, 255 Background



This preview shows how black text looks on a background with the RYB color 205, 175, 255.

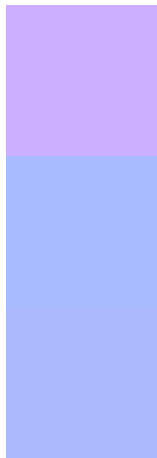


This preview shows how white text looks on a background with the RYB color 205, 175, 255.

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, 175, 255

Protanopia
169, 184, 255

Deuteranopia
172, 184, 253



Tritanopia
195, 186, 200

Trichromacy



Original Color
205, 175, 255

Protanomaly
182, 183, 255

Deuteranomaly
184, 182, 254

Tritanomaly
199, 182, 220

Monochromacy



Original Color
205, 175, 255

Achromatopsia
193, 193, 193

Achromatomaly
197, 186, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 175, 255 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 175, 255)  
}
```

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, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 175, 255) }
```

Border

The CSS property to change the border of an element to RYB 205, 175, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

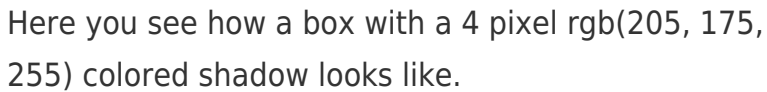
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 175, 255) }
```

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

```
.border{ border-color:rgb(205, 175, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 175,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 205, 175, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 175, 255) }
```

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

```
.background{ background-color: rgb(205,  
175, 255) }
```

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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