

Converting Colors

`RYB(202, 201, 246)`

Have a look what the booklet for
RYB(202, 201, 246) contains.

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Color

R_YB(202, 201, 246)

Conversions

Conversions Part 1

Format	Color
Hex	CAC9F6
RGB	202, 201, 246
RGB Percent	79%, 79%, 96%
CMY	0.2078, 0.2118, 0.0353
CMYK	0.18, 0.18, 0.00, 0.04
HSL	241°, 71%, 88%
HSV	241°, 18%, 96%
XYZ	61.8783, 60.9837, 95.6985
YIQ	206.4290, -13.8490, 14.2070

Conversions

Conversions Part 2

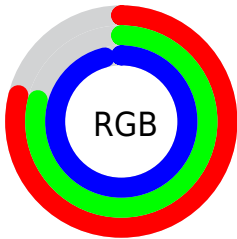
Format	Color
R _Y B	202, 201, 246
Decimal	13289974
CIE Lab	82.37, 9.34, -21.97
CIE LCh	82, 23.877, 293.026
Yxy	60.9837, 0.2831, 0.2790
Android (android.graphics.Color)	4291480054 (0xFFCAC9F6)
YUV	206.4290, 19.5085, -3.8842
Hunter-Lab	78.0920, 4.7782, -17.9929

Details

The RYB color **202, 201, 246** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **201, 246, 202**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **255, 255, 255**, and **147, 147, 190** is the 20% darker color. If you saturate the color by 10%, you get **178, 176, 246**, and if you desaturate by 10%, it is **226, 226, 246**.

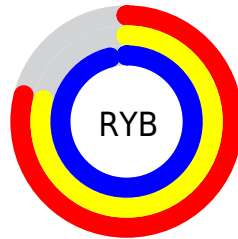
Distribution



Red (79%)

Green (79%)

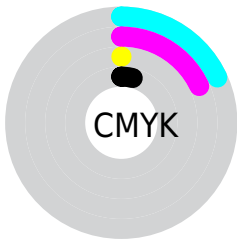
Blue (96%)



Red (79%)

Yellow (79%)

Blue (96%)

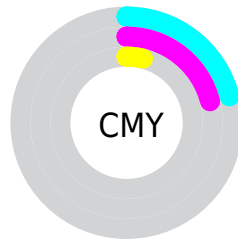


Cyan (18%)

Magenta (18%)

Yellow (0%)

Black (4%)



Cyan (21%)

Magenta (21%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 201, 246 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 202, 201, 246 by changing the saturation by 10% instead.

■ 202, 201, 246

255, 255, 255

■ 202, 201, 246

■ 174, 174, 217

■ 147, 147, 190

■ 121, 121, 162

■ 96, 97, 136

■ 71, 73, 111

■ 48, 50, 86


■ 25, 29, 63

■ 3, 4, 41

■ 0, 1, 19

 202, 201, 246


 202, 201, 246

 178, 176, 246


 226, 226, 246

 154, 152, 246

 246, 250, 246

 130, 127, 246

 246, 255, 246

 106, 103, 246

 82, 78, 246

 58, 53, 246

 34, 29, 246

 10, 4, 246

 5, 0, 246

Harmonies

Analogous

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



172, 197, 249



202, 201, 246



229, 194, 232

Triad

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



202, 201, 246



244, 206, 170



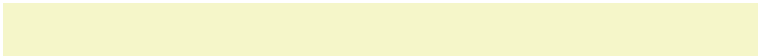
155, 192, 218

Complementary

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



202, 201, 246



201, 246, 202

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.



177, 214, 213



202, 201, 246



201, 227, 161

Square

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



202, 201, 246



251, 190, 188



163, 209, 168



143, 181, 222

Rectangle

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



202, 201, 246



242, 190, 219



163, 209, 168



162, 198, 217

Sweetspot

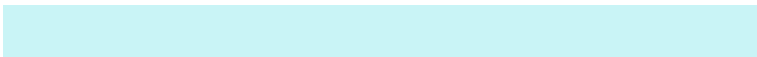
The Sweet Spot groups the original color and five complimentary colors.



202, 201, 246



243, 242, 255



201, 223, 246



120, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 201, 246



200, 199, 255



224, 201, 246



110, 110, 122



4, 0, 186



1, 0, 59

Inverse Universe

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



246, 201, 245



255, 199, 254



201, 246, 224



122, 110, 122



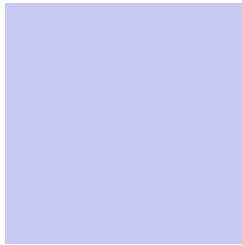
186, 0, 182



59, 0, 57

Previews

White Background



This preview shows how the RYB color 202, 201, 246 looks on a white background.

Color Contrast Check

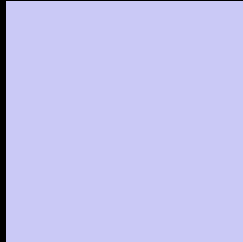
Large Text (above 18pt) WCAG AA × Fail

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 202, 201, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

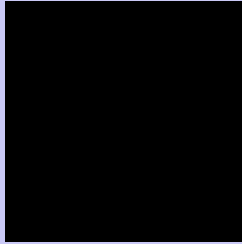
Any Text WCAG AA ✓ Pass

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 202, 201, 246 Background



This preview shows how black text looks on a background with the RYB color 202, 201, 246.



This preview shows how white text looks on a background with the RYB color 202, 201, 246.

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
202, 201, 246

Protanopia
195, 202, 247

Deuteranopia
204, 200, 246



Tritanopia
198, 203, 222

Trichromacy



Original Color

202, 201, 246

Protanomaly

198, 202, 247

Deuteranomaly

203, 200, 246

Tritanomaly

199, 203, 231

Monochromacy



Original Color

202, 201, 246

Achromatopsia

206, 206, 206

Achromatomaly

205, 204, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 201, 246 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(202, 201, 246)` looks like.

```
.text, #text, p{  
    color:rgb(202, 201, 246)  
}
```

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(202, 201, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 201, 246) }
```

Border

The CSS property to change the border of an element to RYB 202, 201, 246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

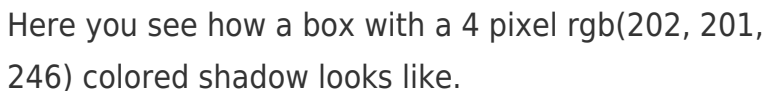
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 201, 246) }
```

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

```
.border{ border-color:rgb(202, 201, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(202, 201, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 201, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 201, 246);  
box-shadow:4px 4px 4px 4px rgb(202, 201,  
246) }
```

Background

The CSS property to change the background color of an element to RGB 202, 201, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 201, 246) }
```

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

```
.background{ background-color: rgb(202,  
201, 246) }
```

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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