

Converting Colors

`RYB(202, 196, 245)`

Have a look what the booklet for
RYB(202, 196, 245) contains.

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Color

R_YB(202, 196, 245)

Conversions

Conversions Part 1

Format	Color
Hex	CAC4F5
RGB	202, 196, 245
RGB Percent	79%, 77%, 96%
CMY	0.2078, 0.2314, 0.0392
CMYK	0.18, 0.20, 0.00, 0.04
HSL	247°, 71%, 86%
HSV	247°, 20%, 96%
XYZ	60.5785, 58.6290, 94.5099
YIQ	203.3800, -12.1530, 16.5110

Conversions

Conversions Part 2

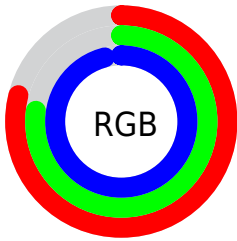
Format	Color
R _Y B	202, 196, 245
Decimal	13288693
CIE Lab	81.09, 11.81, -23.39
CIE LCh	81, 26.203, 296.796
Yxy	58.6290, 0.2835, 0.2743
Android (android.graphics.Color)	4291478773 (0xFFCAC4F5)
YUV	203.3800, 20.5187, -1.2103
Hunter-Lab	76.5696, 7.2246, -19.5830

Details

The RYB color **202, 196, 245** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **196, 245, 202**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **255, 253, 255**, and **147, 142, 189** is the 20% darker color. If you saturate the color by 10%, you get **180, 171, 245**, and if you desaturate by 10%, it is **224, 221, 245**.

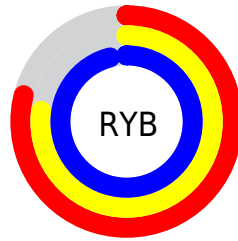
Distribution



Red (79%)

Green (77%)

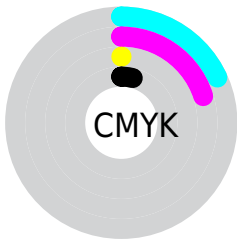
Blue (96%)



Red (79%)

Yellow (77%)

Blue (96%)

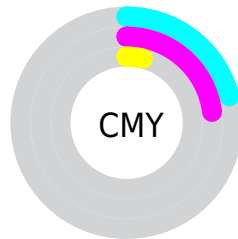


Cyan (18%)

Magenta (20%)

Yellow (0%)

Black (4%)



Cyan (21%)

Magenta (23%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 196, 245 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, 196, 245 by changing the saturation by 10% instead.

■ 202, 196, 245

255, 255, 255

■ 255, 253, 255

■ 202, 196, 245

■ 174, 169, 216

■ 147, 142, 189

■ 121, 117, 162

■ 96, 92, 135


■ 71, 69, 110

■ 48, 46, 85


■ 25, 26, 62

■ 4, 0, 40

■ 0, 1, 18

 202, 196, 245


 202, 196, 245

 180, 171, 245

 224, 221, 245

 159, 147, 245

 245, 245, 245

 137, 123, 245


 245, 255, 245

 116, 98, 245

 94, 74, 245

 73, 49, 245

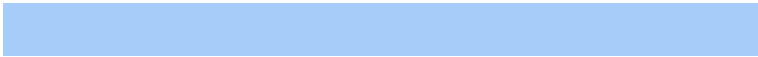
 51, 24, 245

 30, 0, 245

Harmonies

Analogous

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



168, 193, 250



202, 196, 245



231, 188, 229

Triad

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



202, 196, 245



242, 209, 161



143, 184, 215

Complementary

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



202, 196, 245



196, 245, 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.



168, 207, 212



202, 196, 245



188, 222, 153

Square

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



202, 196, 245



252, 185, 180



157, 207, 168



131, 175, 223

Rectangle

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



202, 196, 245



244, 185, 213



157, 207, 168



151, 191, 215

Sweetspot

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



202, 196, 245



242, 240, 255



196, 219, 245



120, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 196, 245



201, 194, 255



226, 196, 245



112, 110, 122



23, 0, 186



7, 0, 59

Inverse Universe

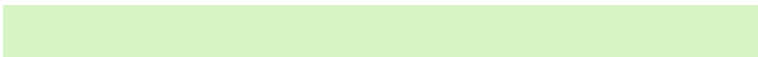
The Inverse Universe completely reimagines the original color for something new.



245, 196, 239



255, 194, 248



196, 245, 226



122, 110, 121



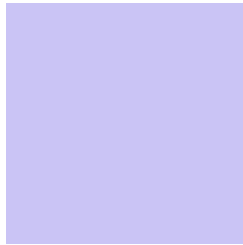
186, 0, 163



59, 0, 51

Previews

White Background



This preview shows how the RYB color 202, 196, 245 looks on a white background.

Color Contrast Check

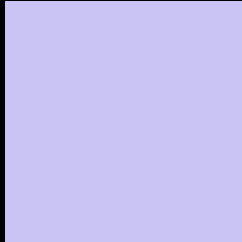
Large Text (above 18pt) WCAG AA × Fail

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, 196, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

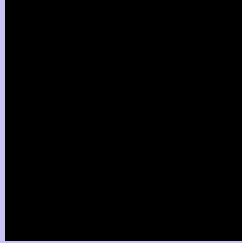
Any Text WCAG AA ✓ Pass

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, 196, 245 Background



This preview shows how black text looks on a background with the RYB color 202, 196, 245.

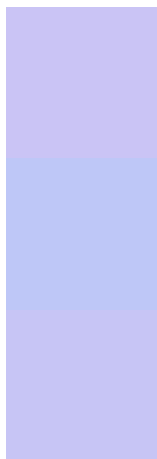


This preview shows how white text looks on a background with the RYB color 202, 196, 245.

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, 196, 245

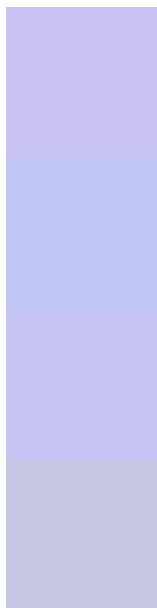
Protanopia
190, 198, 247

Deuteranopia
199, 197, 245



Tritanopia
197, 200, 217

Trichromacy



Original Color

202, 196, 245

Protanomaly

194, 198, 246

Deuteranomaly

200, 197, 245

Tritanomaly

199, 199, 227

Monochromacy



Original Color

202, 196, 245

Achromatopsia

203, 203, 203

Achromatomaly

203, 200, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 196, 245 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, 196, 245)` looks like.

```
.text, #text, p{  
    color:rgb(202, 196, 245)  
}
```

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, 196, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 196, 245) }
```

Border

The CSS property to change the border of an element to RYB 202, 196, 245 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, 196, 245) }
```

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

```
.border{ border-color:rgb(202, 196, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 196, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 196, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 196, 245);  
box-shadow:4px 4px 4px 4px rgb(202, 196,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 202, 196, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 196, 245) }
```

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

```
.background{ background-color: rgb(202,  
196, 245) }
```

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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