

Converting Colors

`RYB(212, 202, 222)`

Have a look what the booklet for RYB(212, 202, 222) contains.

RYB(212, 202, 222)	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(212, 202, 222)

Conversions

Conversions Part 1

Format	Color
Hex	D4CADE
RGB	212, 202, 222
RGB Percent	83%, 79%, 87%
CMY	0.1686, 0.2078, 0.1294
CMYK	0.05, 0.09, 0.00, 0.13
HSL	270°, 23%, 83%
HSV	270°, 9%, 87%
XYZ	61.4567, 61.5120, 77.7411
YIQ	207.2700, -0.4600, 8.3400

Conversions

Conversions Part 2

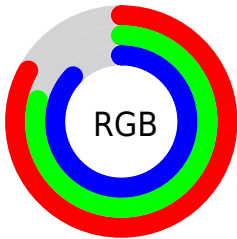
Format	Color
R _{YB}	212, 202, 222
Decimal	13945566
CIE Lab	82.65, 7.13, -8.66
CIE LCh	83, 11.222, 309.460
Yxy	61.5120, 0.3062, 0.3065
Android (android.graphics.Color)	4292135646 (0xFFD4CADE)
YUV	207.2700, 7.2619, 4.1482
Hunter-Lab	78.4296, 2.6192, -3.8688

Details

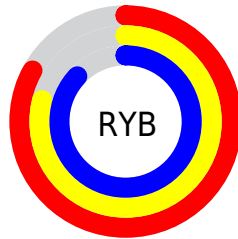
The RYB color **212, 202, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **202, 222, 212**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is 255, 255, 255, and **157, 148, 167** is the 20% darker color. If you saturate the color by 10%, you get **201, 180, 222**, and if you desaturate by 10%, it is **222, 224, 223**.

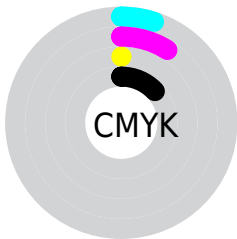
Distribution



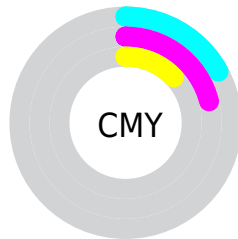
- Red (83%)
- Green (79%)
- Blue (87%)



- Red (83%)
- Yellow (79%)
- Blue (87%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (17%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 202, 222 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 212, 202, 222 by changing the saturation by 10% instead.

■ 212, 202, 222

255, 255, 255

■ 212, 202, 222

■ 184, 175, 194

■ 157, 148, 167

■ 131, 122, 141

■ 106, 97, 115

■ 82, 74, 90

■ 59, 51, 67


■ 37, 30, 45

■ 17, 5, 25


■ 0, 0, 0

 212, 202, 222

 212, 202, 222

 201, 180, 222


 222, 224, 223

 190, 158, 222

 222, 246, 234


 179, 135, 222

 222, 255, 232

 168, 113, 222


 222, 255, 222

 157, 91, 222

 145, 69, 222

 134, 47, 222

 123, 24, 222

 112, 2, 222

Harmonies

Analogous

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



199, 204, 226



212, 202, 222



223, 199, 213

Triad

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



212, 202, 222



221, 219, 186



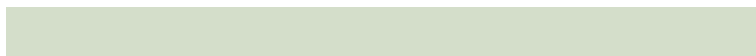
181, 197, 212

Complementary

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



212, 202, 222



202, 222, 212

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.



188, 204, 211



212, 202, 222



191, 211, 185

Square

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



212, 202, 222



228, 202, 193



189, 209, 199



180, 197, 219

Rectangle

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



212, 202, 222



227, 199, 206



189, 209, 199



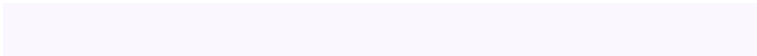
182, 199, 212

Sweetspot

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



212, 202, 222



251, 247, 255



202, 209, 222



125, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



212, 202, 222



241, 227, 255



222, 202, 222



107, 101, 112



88, 0, 176



24, 0, 48

Inverse Universe

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



222, 202, 212



255, 227, 241



202, 222, 222



112, 101, 107



176, 0, 88



48, 0, 24

Previews

White Background



This preview shows how the RYB color 212, 202, 222 looks on a white background.

Color Contrast Check

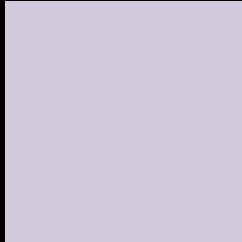
Large Text (above 18pt) WCAG AA × Fail

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 212, 202, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

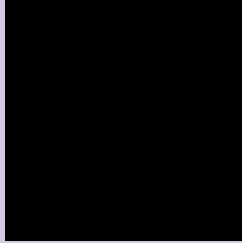
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

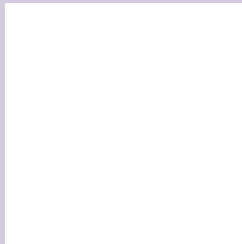
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 212, 202, 222 Background



This preview shows how black text looks on a background with the RYB color 212, 202, 222.



This preview shows how white text looks on a background with the RYB color 212, 202, 222.

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
212, 202, 222

Protanopia
204, 204, 223

Deuteranopia
218, 200, 222



Tritanopia
211, 203, 219

Trichromacy



Original Color

212, 202, 222

Protanomaly

207, 203, 223

Deuteranomaly

216, 201, 222

Tritanomaly

211, 203, 220

Monochromacy



Original Color

212, 202, 222

Achromatopsia

207, 207, 207

Achromatomaly

209, 205, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 202, 222 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(212, 202, 222)` looks like.

```
.text, #text, p{  
    color:rgb(212, 202, 222)  
}
```

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(212, 202, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 202, 222) }
```

Border

The CSS property to change the border of an element to RYB 212, 202, 222 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(212, 202, 222) }
```

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

```
.border{ border-color:rgb(212, 202, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 202, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 202, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 202, 222);  
box-shadow:4px 4px 4px 4px rgb(212, 202,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 212, 202, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 202, 222) }
```

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

```
.background{ background-color: rgb(212,  
202, 222) }
```

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