

# Converting Colors

`RYB(249, 202, 216)`

Have a look what the booklet for RYB(249, 202, 216) contains.

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# Color

**R<sub>Y</sub>B(249, 202, 216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9CAD8
RGB	249, 202, 216
RGB Percent	98%, 79%, 85%
CMY	0.0235, 0.2078, 0.1529
CMYK	0.00, 0.19, 0.13, 0.02
HSL	342°, 80%, 88%
HSV	342°, 19%, 98%
XYZ	72.5821, 67.3387, 74.1379
YIQ	217.6490, 23.5180, 14.3180

# Conversions

## Conversions Part 2

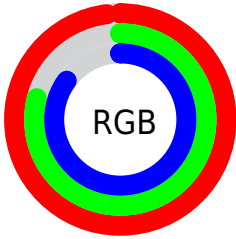
Format	Color
R <sub>Y</sub> B	249, 202, 216
Decimal	16370392
CIE Lab	85.67, 18.77, -0.65
CIE LCh	86, 18.777, 358.019
Yxy	67.3387, 0.3391, 0.3146
Android (android.graphics.Color)	4294560472 (0xFFF9CAD8)
YUV	217.6490, -0.8130, 27.4948
Hunter-Lab	82.0601, 14.2779, 3.8761

# Details

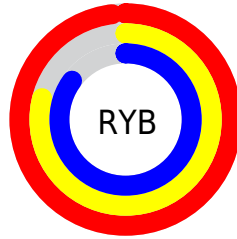
The RYB color **249, 202, 216** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **202, 230, 249**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is 255, 255, 255, and **192, 148, 161** is the 20% darker color. If you saturate the color by 10%, you get **249, 177, 199**, and if you desaturate by 10%, it is **249, 227, 233**.

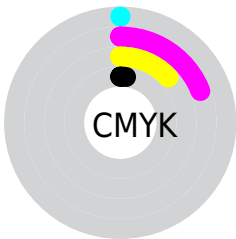
# Distribution



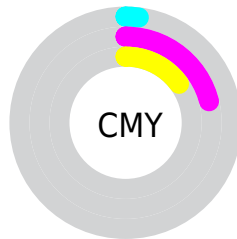
- Red (98%)
- Green (79%)
- Blue (85%)



- Red (98%)
- Yellow (79%)
- Blue (85%)



- Cyan (0%)
- Magenta (19%)
- Yellow (13%)
- Black (2%)



- Cyan (2%)
- Magenta (21%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 249, 202, 216 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 249, 202, 216 by changing the saturation by 10% instead.



 249, 202, 216

255, 255, 255

 249, 202, 216

 220, 175, 188

 192, 148, 161

 165, 122, 135

 138, 97, 110

 112, 73, 85

 87, 50, 62


 63, 28, 41

 40, 6, 20

 0, 0, 0

 249, 202, 216


 249, 202, 216

 249, 177, 199

 249, 227, 233


 249, 152, 181

 249, 251, 252

 249, 127, 164

 249, 252, 255

 249, 102, 146

 249, 78, 129

 249, 53, 111

 249, 28, 94

 249, 3, 76

 249, 0, 74

# Harmonies

## Analogous

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



236, 205, 233



249, 202, 216



252, 204, 198

# Triad

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



249, 202, 216



183, 218, 191



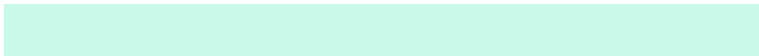
175, 203, 244

# Complementary

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



249, 202, 216



202, 230, 249

# 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.



167, 197, 230



249, 202, 216



190, 218, 222

# Square

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



249, 202, 216



205, 230, 179



174, 203, 225



193, 209, 249

# Rectangle

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



249, 202, 216



248, 212, 188



174, 203, 225



171, 200, 240



# Sweetspot

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



249, 202, 216



255, 240, 244



235, 202, 249



128, 119, 121



0, 0, 0



128, 128, 128



# Same Dimension

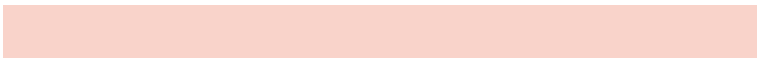
The Same Dimension uses a secret algorithm to generate beautiful new colors.



249, 202, 216



255, 196, 214



249, 213, 202



125, 112, 116



189, 0, 56



61, 0, 18



# Inverse Universe

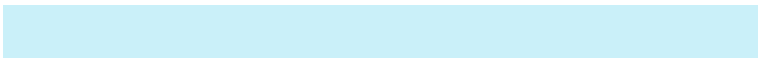
The Inverse Universe completely reimagines the original color for something new.



249, 202, 216



255, 196, 214



202, 223, 249



125, 112, 116



189, 0, 56

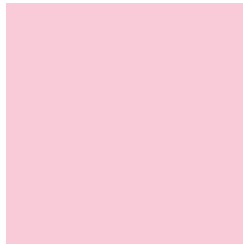


61, 0, 18



# Previews

## White Background



This preview shows how the RYB color 249, 202, 216 looks on a white background.

## Color Contrast Check

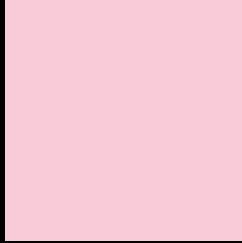
Large Text (above 18pt) WCAG AA × Fail

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 249, 202, 216 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](#).



## R Y B 249, 202, 216 Background



This preview shows how black text looks on a background with the R Y B color 249, 202, 216.





This preview shows how white text looks on a background with the R Y B color 249, 202, 216.

# 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

	<b>Original Color</b> 249, 202, 216
	<b>Protanopia</b> 216, 213, 223
	<b>Deuteranopia</b> 235, 208, 215



**Tritanopia**  
249, 202, 217

# Trichromacy



**Original Color**

249, 202, 216

**Protanomaly**

228, 209, 220

**Deuteranomaly**

240, 206, 215

**Tritanomaly**

249, 202, 217

# Monochromacy



**Original Color**

249, 202, 216

**Achromatopsia**

218, 218, 218

**Achromatomaly**

229, 212, 217

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 249, 202, 216 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(249, 202, 216) looks like.

```
.text, #text, p{  
    color:rgb(249, 202, 216)  
}
```

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(249, 202, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 202, 216) }
```

## Border

The CSS property to change the border of an element to RYB 249, 202, 216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

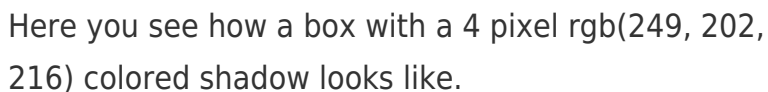
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(249, 202, 216) }
```

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

```
.border{ border-color:rgb(249, 202, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(249, 202, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 202, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 202, 216); box-shadow:4px 4px 4px 4px rgb(249, 202, 216) }
```

# Background

The CSS property to change the background color of an element to RYB 249, 202, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 202, 216) }
```

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

```
.background{ background-color: rgb(249,  
202, 216) }
```

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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