

# Converting Colors

`RYB(255, 212, 234)`

Have a look what the booklet for  
RYB(255, 212, 234) contains.

<b>RYB(255, 212, 234)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**`RYB(255, 212, 234)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4EA
RGB	255, 212, 234
RGB Percent	100%, 83%, 92%
CMY	0.0000, 0.1686, 0.0824
CMYK	0.00, 0.17, 0.08, 0.00
HSL	329°, 100%, 92%
HSV	329°, 17%, 100%
XYZ	79.6348, 74.2875, 87.9836
YIQ	227.3650, 18.5660, 15.9580

# Conversions

## Conversions Part 2

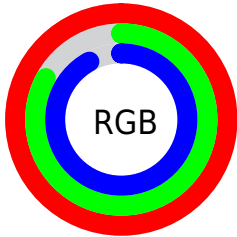
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 212, 234
Decimal	16766186
CIE Lab	89.06, 18.53, -5.15
CIE LCh	89, 19.231, 344.467
Yxy	74.2875, 0.3292, 0.3071
Android (android.graphics.Color)	4294956266 (0xFFFFD4EA)
YUV	227.3650, 3.2711, 24.2359
Hunter-Lab	86.1902, 14.0909, -0.1906

# Details

The RYB color **255, 212, 234** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **212, 241, 255**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is 255, 255, 255, and **198, 157, 178** is the 20% darker color. If you saturate the color by 10%, you get **255, 187, 222**, and if you desaturate by 10%, it is 255, 238, 246.

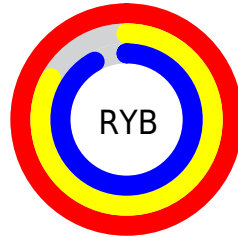
# Distribution



Red (100%)

Green (83%)

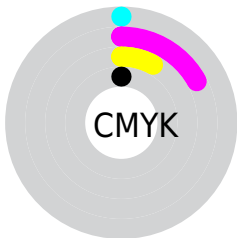
Blue (92%)



Red (100%)

Yellow (83%)

Blue (92%)

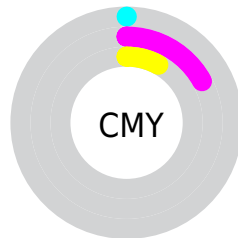


Cyan (0%)

Magenta (17%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 255, 212, 234 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 255, 212, 234 by changing the saturation by 10% instead.




 255, 212, 234


255, 255, 255

 255, 212, 234

 226, 184, 206

 198, 157, 178

 170, 131, 152

 144, 106, 126

 118, 81, 101

 93, 58, 77

 69, 36, 54

 45, 15, 33

 26, 0, 9

 255, 212, 234


 255, 212, 234


 255, 187, 222

 255, 238, 246


 255, 161, 209


255, 255, 255

 255, 136, 197

 255, 110, 184

 255, 85, 172

 255, 59, 159

 255, 33, 147

 255, 8, 134

 255, 0, 130

# Harmonies

## Analogous

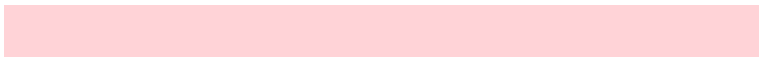
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



238, 216, 250



255, 212, 234



255, 211, 215

# Triad

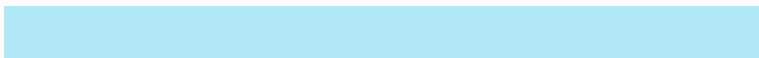
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



255, 212, 234



192, 229, 188



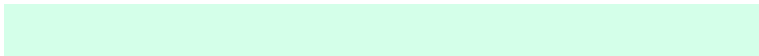
178, 209, 249

# Complementary

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



255, 212, 234



212, 241, 255

# 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, 206, 234



255, 212, 234



197, 230, 219

# Square

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



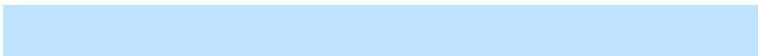
255, 212, 234



243, 247, 189



189, 218, 234



192, 215, 255

# Rectangle

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



255, 212, 234



255, 215, 204



189, 218, 234



176, 207, 244



# Sweetspot

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



255, 212, 234



255, 242, 249



233, 212, 255



128, 120, 124



0, 0, 0



128, 128, 128



# Same Dimension

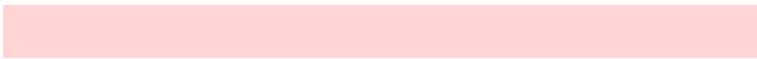
The Same Dimension uses a secret algorithm to generate beautiful new colors.



255, 212, 234



255, 204, 230



255, 212, 213



128, 115, 121



191, 0, 98



64, 0, 33



# Inverse Universe

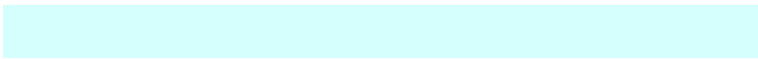
The Inverse Universe completely reimagines the original color for something new.



255, 212, 234



255, 204, 230



212, 234, 255



128, 115, 121



191, 0, 98



64, 0, 33



# Previews

## White Background



This preview shows how the RYB color 255, 212, 234 looks on a white background.

## Color Contrast Check

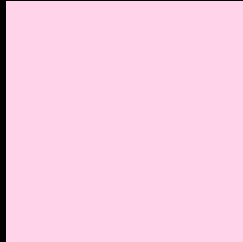
Large Text (above 18pt) WCAG AA × Fail

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 255, 212, 234 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 255, 212, 234 Background**



This preview shows how black text looks on a background with the RYB color 255, 212, 234.



This preview shows how white text looks on a background with the RYB color 255, 212, 234.

# 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**  
255, 212, 234

**Protanopia**  
223, 223, 240

**Deuteranopia**  
241, 217, 233



# Tritanopia

254, 213, 229

# Trichromacy



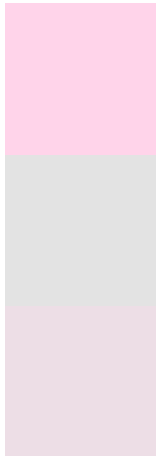
**Original Color**  
255, 212, 234

**Protanomaly**  
235, 219, 238

**Deuteranomaly**  
246, 215, 233

**Tritanomaly**  
254, 213, 231

# Monochromacy



**Original Color**  
255, 212, 234

**Achromatopsia**  
227, 227, 227

**Achromatomaly**  
237, 222, 230

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 255, 212, 234 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(255, 212, 234) looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 234)  
}
```

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(255, 212, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 234) }
```

## Border

The CSS property to change the border of an element to RYB 255, 212, 234 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(255, 212, 234) }
```

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

```
.border{ border-color:rgb(255, 212, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
234) }
```

# Background

The CSS property to change the background color of an element to RYB 255, 212, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 234) }
```

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

```
.background{ background-color: rgb(255,  
212, 234) }
```

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