

# Converting Colors

`RYB(255, 202, 221)`

Have a look what the booklet for  
RYB(255, 202, 221) contains.

<b>RYB(255, 202, 221)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**`RYB(255, 202, 221)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCADD
RGB	255, 202, 221
RGB Percent	100%, 79%, 87%
CMY	0.0000, 0.2078, 0.1333
CMYK	0.00, 0.21, 0.13, 0.00
HSL	338°, 100%, 90%
HSV	338°, 21%, 100%
XYZ	75.4117, 68.7215, 77.6966
YIQ	220.0130, 25.4890, 17.1450

# Conversions

## Conversions Part 2

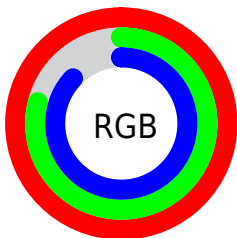
Format	Color
R <sub>YB</sub>	255, 202, 221
Decimal	16763613
CIE <sub>Lab</sub>	86.37, 21.65, -2.23
CIE <sub>LCh</sub>	86, 21.764, 354.122
Yxy	68.7215, 0.3400, 0.3098
Android (android.graphics.Color)	4294953693 (0xFFFFCADD)
YUV	220.0130, 0.4866, 30.6836
Hunter-Lab	82.8984, 17.3069, 2.4594

# Details

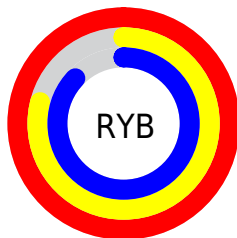
The RYB color **255, 202, 221** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **202, 234, 255**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is 255, 255, 255, and **198, 148, 166** is the 20% darker color. If you saturate the color by 10%, you get **255, 177, 205**, and if you desaturate by 10%, it is **255, 227, 237**.

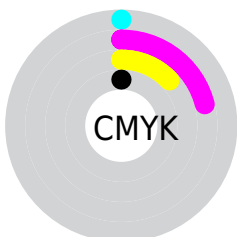
# Distribution



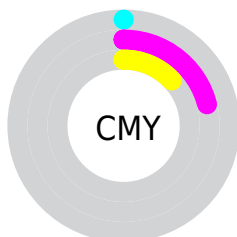
- Red (100%)
- Green (79%)
- Blue (87%)



- Red (100%)
- Yellow (79%)
- Blue (87%)



- Cyan (0%)
- Magenta (21%)
- Yellow (13%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 255, 202, 221 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, 202, 221 by changing the saturation by 10% instead.




 255, 202, 221


255, 255, 255

 255, 202, 221

 226, 174, 193

 198, 148, 166

 170, 122, 140

 143, 97, 114

 117, 72, 90

 92, 49, 66

 67, 27, 44

 44, 5, 24

 15, 0, 0

 255, 202, 221

 255, 202, 221

 255, 177, 205

 255, 227, 237


 255, 151, 188

 255, 253, 254


 255, 125, 172

 255, 255, 255

 255, 100, 156

 255, 75, 139

 255, 49, 123

 255, 24, 106

 255, 0, 91

# Harmonies

## Analogous

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



239, 206, 241



255, 202, 221



255, 202, 200

# Triad

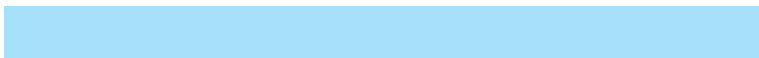
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



255, 202, 221



178, 220, 184



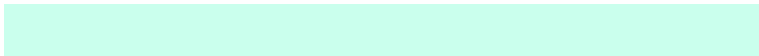
167, 201, 249

# Complementary

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



255, 202, 221



202, 234, 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.



161, 195, 232



255, 202, 221



191, 225, 225

# Square

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



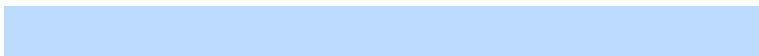
255, 202, 221



212, 236, 175



171, 204, 228



188, 209, 255

# Rectangle

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



255, 202, 221



255, 211, 188



171, 204, 228



163, 198, 244



# Sweetspot

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



255, 202, 221



255, 240, 245



236, 202, 255



128, 119, 122



0, 0, 0



128, 128, 128



# Same Dimension

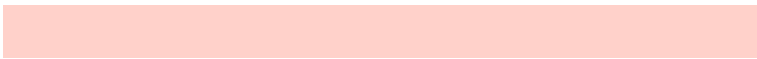
The Same Dimension uses a secret algorithm to generate beautiful new colors.



255, 202, 221



255, 191, 214



255, 210, 202



128, 115, 119



191, 0, 69



64, 0, 23



# Inverse Universe

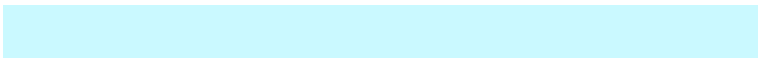
The Inverse Universe completely reimagines the original color for something new.



255, 202, 221



255, 191, 214



202, 227, 255



128, 115, 119



191, 0, 69



64, 0, 23



# Previews

## White Background



This preview shows how the RYB color 255, 202, 221 looks on a white background.

## Color Contrast Check

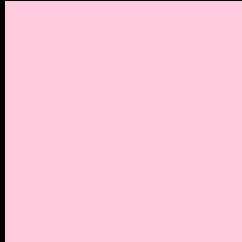
Large Text (above 18pt) WCAG AA × Fail

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, 202, 221 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, 202, 221 Background**



This preview shows how black text looks on a background with the RYB color 255, 202, 221.


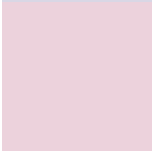


This preview shows how white text looks on a background with the RYB color 255, 202, 221.

# 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> 255, 202, 221
	<b>Protanopia</b> 217, 215, 229
	<b>Deuteranopia</b> 236, 210, 220



**Tritanopia**  
255, 202, 218

# Trichromacy



**Original Color**  
255, 202, 221

**Protanomaly**  
231, 210, 226

**Deuteranomaly**  
243, 207, 220

**Tritanomaly**  
255, 202, 219

# Monochromacy



**Original Color**  
255, 202, 221

**Achromatopsia**  
220, 220, 220

**Achromatomaly**  
233, 213, 220

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 255, 202, 221 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, 202, 221) looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 221)  
}
```

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, 202, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 221) }
```

## Border

The CSS property to change the border of an element to RYB 255, 202, 221 is called "border". The border property can be set on classes, ids or directly on the HTML element.

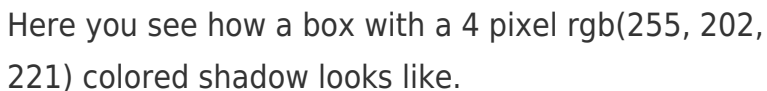
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 202, 221) }
```

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

```
.border{ border-color:rgb(255, 202, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 202, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 202, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 202, 221); box-shadow:4px 4px 4px 4px rgb(255, 202, 221) }
```

# Background

The CSS property to change the background color of an element to RYB 255, 202, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 221) }
```

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

```
.background{ background-color: rgb(255,  
202, 221) }
```

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