

# Converting Colors

`RYB(224, 184, 213)`

Have a look what the booklet for  
RYB(224, 184, 213) contains.

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# Color

**$\text{RYB}(224, 184, 213)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0B8D5
RGB	224, 184, 213
RGB Percent	88%, 72%, 84%
CMY	0.1216, 0.2784, 0.1647
CMYK	0.00, 0.18, 0.05, 0.12
HSL	316°, 39%, 80%
HSV	316°, 18%, 88%
XYZ	59.8912, 54.9324, 70.3972
YIQ	199.2660, 14.5310, 17.4990

# Conversions

## Conversions Part 2

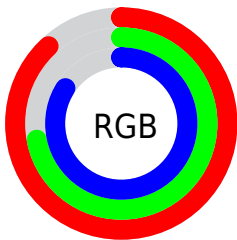
Format	Color
<a href="#">RYB</a>	<a href="#">224, 184, 213</a>
Decimal	<a href="#">14727381</a>
CIELab	<a href="#">79.00, 19.17, -9.14</a>
CIELCh	<a href="#">79, 21.235, 334.497</a>
Yxy	<a href="#">54.9324, 0.3234, 0.2966</a>
Android (android.graphics.Color)	<a href="#">4292917461 (0xFFE0B8D5)</a>
YUV	<a href="#">199.2660, 6.7709, 21.6917</a>
Hunter-Lab	<a href="#">74.1164, 14.5368, -4.4333</a>

# Details

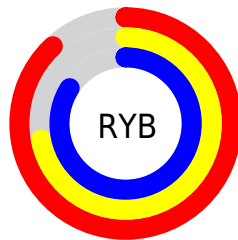
The RYB color **224, 184, 213** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **184, 215, 224**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **255, 240, 255**, and **168, 131, 158** is the 20% darker color. If you saturate the color by 10%, you get **224, 162, 207**, and if you desaturate by 10%, it is **224, 206, 219**.

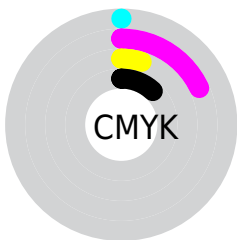
# Distribution



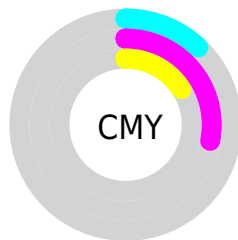
- Red (88%)
- Green (72%)
- Blue (84%)



- Red (88%)
- Yellow (72%)
- Blue (84%)



- Cyan (0%)
- Magenta (18%)
- Yellow (5%)
- Black (12%)



- Cyan (12%)
- Magenta (28%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 224, 184, 213 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 224, 184, 213 by changing the saturation by 10% instead.




 224, 184, 213


255, 255, 255

 255, 240, 255


 224, 184, 213

 196, 157, 185

 168, 131, 158

 142, 105, 132

 116, 81, 107


 91, 58, 83

 67, 35, 60

 44, 14, 38

 24, 0, 17


 0, 0, 0

 224, 184, 213

 224, 184, 213

 224, 162, 207

 224, 206, 219

 224, 139, 201

 224, 228, 229

 224, 117, 195

 224, 245, 251

 224, 94, 188


 224, 245, 255

 224, 72, 182

 224, 243, 255

 224, 50, 176

 224, 241, 255

 224, 27, 170

 224, 240, 255

 224, 5, 164

 224, 0, 162

# Harmonies

## Analogous

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



203, 190, 228



224, 184, 213



235, 182, 193

# Triad

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



224, 184, 213



173, 208, 156



142, 177, 217

# Complementary

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



224, 184, 213



184, 215, 224

# 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.



147, 179, 207



224, 184, 213



163, 201, 178

# Square

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



224, 184, 213



226, 210, 161



164, 195, 205



154, 184, 231

# Rectangle

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



224, 184, 213



237, 182, 180



164, 195, 205



142, 175, 211



# Sweetspot

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



224, 184, 213



255, 242, 251



195, 184, 224



128, 120, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



224, 184, 213



255, 201, 240



224, 184, 193



112, 101, 109



176, 0, 128



48, 0, 35



# Inverse Universe

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



224, 184, 213



255, 201, 240



184, 207, 224



112, 101, 109



176, 0, 128

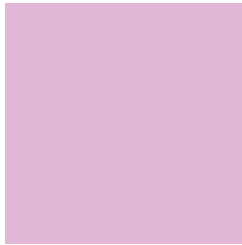


48, 0, 35



# Previews

## White Background



This preview shows how the RYB color 224, 184, 213 looks on a white background.

## Color Contrast Check

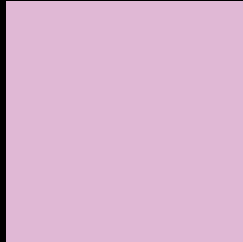
Large Text (above 18pt) WCAG AA × Fail

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 224, 184, 213 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 224, 184, 213 Background



This preview shows how black text looks on a background with the RYB color 224, 184, 213.



This preview shows how white text looks on a background with the RYB color 224, 184, 213.

# 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**  
224, 184, 213

**Protanopia**  
192, 194, 220

**Deuteranopia**  
208, 190, 212



**Tritanopia**  
222, 186, 201

# Trichromacy



**Original Color**  
224, 184, 213

**Protanomaly**  
204, 190, 217

**Deuteranomaly**  
214, 188, 212

**Tritanomaly**  
223, 185, 205

# Monochromacy



**Original Color**  
224, 184, 213

**Achromatopsia**  
199, 199, 199

**Achromatomaly**  
208, 194, 204

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 224, 184, 213 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(224, 184, 213) looks like.

```
.text, #text, p{  
    color:rgb(224, 184, 213)  
}
```

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(224, 184, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 184, 213) }
```

## Border

The CSS property to change the border of an element to RYB 224, 184, 213 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(224, 184, 213) }
```

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

```
.border{ border-color:rgb(224, 184, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 184, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 184, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 184, 213);  
box-shadow:4px 4px 4px 4px rgb(224, 184,  
213) }
```

# Background

The CSS property to change the background color of an element to RYB 224, 184, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 184, 213) }
```

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

```
.background{ background-color: rgb(224,  
184, 213) }
```

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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