

# Converting Colors

`RYB(245, 180, 245)`

Have a look what the booklet for  
RYB(245, 180, 245) contains.

<b>RYB(245, 180, 245)</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(245, 180, 245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B4F5
RGB	245, 180, 245
RGB Percent	96%, 71%, 96%
CMY	0.0392, 0.2941, 0.0392
CMYK	0.00, 0.27, 0.00, 0.04
HSL	300°, 76%, 83%
HSV	300°, 27%, 96%
XYZ	70.4589, 58.6476, 93.9927
YIQ	206.8450, 17.8750, 33.9950

# Conversions

## Conversions Part 2

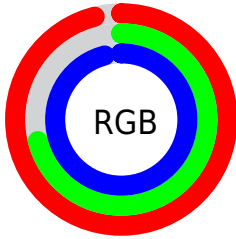
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 180, 245
Decimal	16102645
CIE Lab	81.10, 33.99, -23.02
CIE LCh	81, 41.057, 325.892
Yxy	58.6476, 0.3158, 0.2629
Android (android.graphics.Color)	4294292725 (0xFFF5B4F5)
YUV	206.8450, 18.8104, 33.4619
Hunter-Lab	76.5817, 30.2107, -19.1625

# Details

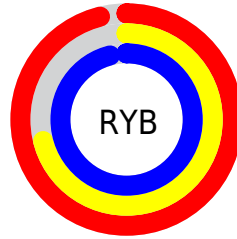
The RYB color **245, 180, 245** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **180, 245, 245**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **255, 236, 255**, and **188, 126, 189** is the 20% darker color. If you saturate the color by 10%, you get **245, 156, 245**, and if you desaturate by 10%, it is **245, 205, 245**.

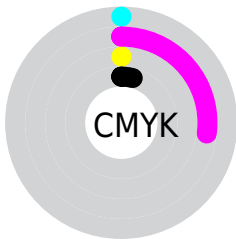
# Distribution



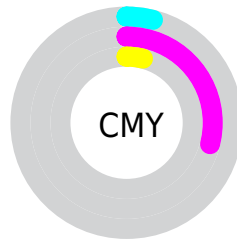
- Red (96%)
- Green (71%)
- Blue (96%)



- Red (96%)
- Yellow (71%)
- Blue (96%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (4%)
- Magenta (29%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 245, 180, 245 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 245, 180, 245 by changing the saturation by 10% instead.



 245, 180, 245

 245, 180, 245

255, 255, 255

 216, 153, 216

 255, 236, 255

 188, 126, 189

 160, 101, 161

 134, 76, 135

 107, 52, 110

 82, 28, 85

 58, 2, 62

 38, 0, 40

 0, 1, 17

 245, 180, 245

 245, 180, 245

 245, 156, 245

 245, 205, 245

 245, 131, 245


 245, 229, 245

 245, 107, 245

 245, 254, 254

 245, 82, 245

 245, 255, 255

 245, 58, 245

 245, 33, 245

 245, 9, 245

 245, 0, 245

# Harmonies

## Analogous

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



199, 193, 255



245, 180, 245



255, 172, 208

# Triad

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



245, 180, 245



176, 232, 124



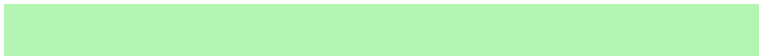
53, 140, 234

# Complementary

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



245, 180, 245



180, 245, 245

# 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.



98, 168, 222



245, 180, 245



131, 209, 147

# Square

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



245, 180, 245



255, 213, 139



148, 210, 218



74, 154, 255

# Rectangle

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



245, 180, 245



255, 172, 182



148, 210, 218



65, 144, 222



# Sweetspot

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



245, 180, 245



255, 235, 255



180, 180, 245



128, 115, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



245, 180, 245



255, 173, 255



245, 180, 213



122, 110, 122



186, 0, 186



59, 0, 59



# Inverse Universe

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



245, 180, 245



255, 173, 255



180, 223, 245



122, 110, 122



186, 0, 186

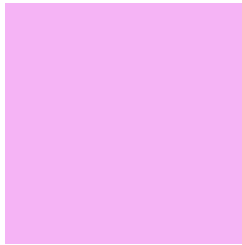


59, 0, 59



# Previews

## White Background



This preview shows how the RYB color 245, 180, 245 looks on a white background.

## Color Contrast Check

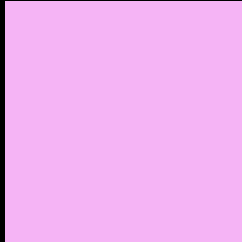
Large Text (above 18pt) WCAG AA × Fail

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 245, 180, 245 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 245, 180, 245 Background



This preview shows how black text looks on a background with the RYB color 245, 180, 245.

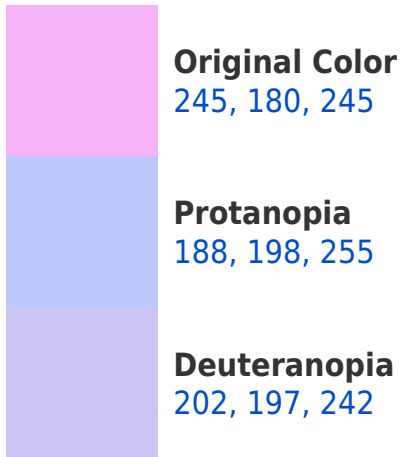



This preview shows how white text looks on a background with the RYB color 245, 180, 245.

# 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





**Tritanopia**  
239, 188, 203

# Trichromacy



**Original Color**

245, 180, 245



**Protanomaly**

209, 193, 251



**Deuteranomaly**

218, 191, 243



**Tritanomaly**

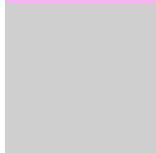
241, 185, 218

# Monochromacy



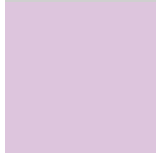
**Original Color**

245, 180, 245



**Achromatopsia**

207, 207, 207



**Achromatomaly**

221, 197, 221

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 245, 180, 245 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(245, 180, 245) looks like.

```
.text, #text, p{  
    color:rgb(245, 180, 245)  
}
```

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(245, 180, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 180, 245) }
```

## Border

The CSS property to change the border of an element to RYB 245, 180, 245 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(245, 180, 245) }
```

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

```
.border{ border-color:rgb(245, 180, 245) }
```

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

Here you see how a box with a 4 pixel rgb(245, 180, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 180, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 180, 245);  
box-shadow:4px 4px 4px 4px rgb(245, 180,  
245) }
```

# Background

The CSS property to change the background color of an element to RYB 245, 180, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 180, 245) }
```

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

```
.background{ background-color: rgb(245,  
180, 245) }
```

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