

# Converting Colors

`RYB(218, 183, 219)`

Have a look what the booklet for  
RYB(218, 183, 219) contains.

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# Color

**R<sub>Y</sub>B(218, 183, 219)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAB7DB
RGB	218, 183, 219
RGB Percent	85%, 72%, 86%
CMY	0.1451, 0.2824, 0.1412
CMYK	0.00, 0.16, 0.00, 0.14
HSL	298°, 33%, 79%
HSV	298°, 16%, 86%
XYZ	58.6331, 53.8869, 74.3287
YIQ	197.5690, 9.3040, 18.6160

# Conversions

## Conversions Part 2

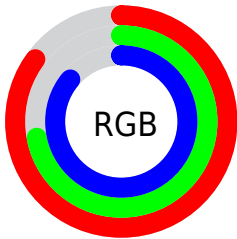
Format	Color
R <sub>Y</sub> B	218, 183, 219
Decimal	14333915
CIE Lab	78.40, 18.76, -13.35
CIE LCh	78, 23.023, 324.560
Yxy	53.8869, 0.3138, 0.2884
Android (android.graphics.Color)	4292523995 (0xFFDAB7DB)
YUV	197.5690, 10.5655, 17.9180
Hunter-Lab	73.4077, 14.1103, -8.6485

# Details

The RYB color **218, 183, 219** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **183, 219, 218**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **255, 239, 255**, and **163, 130, 164** is the 20% darker color. If you saturate the color by 10%, you get **217, 161, 219**, and if you desaturate by 10%, it is **219, 205, 219**.

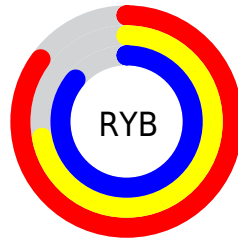
# Distribution



Red (85%)

Green (72%)

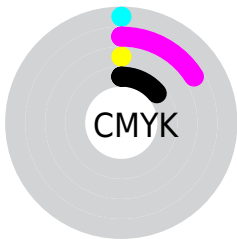
Blue (86%)



Red (85%)

Yellow (72%)

Blue (86%)

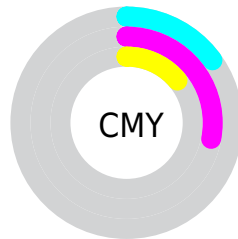


Cyan (0%)

Magenta (16%)

Yellow (0%)

Black (14%)



Cyan (15%)

Magenta (28%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 218, 183, 219 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 218, 183, 219 by changing the saturation by 10% instead.




 218, 183, 219

255, 255, 255


 255, 239, 255

 218, 183, 219

 190, 156, 191


 163, 130, 164

 136, 105, 138

 111, 80, 112

 86, 57, 88

 62, 35, 64


 40, 14, 42

 17, 0, 22


 0, 0, 0

 218, 183, 219

 218, 183, 219

 217, 161, 219

 219, 205, 219

 217, 139, 219


 219, 227, 227

 216, 117, 219

 219, 249, 248

 216, 95, 219

 219, 255, 254

 215, 74, 219


 219, 255, 253

 214, 52, 219

 219, 255, 252

 214, 30, 219

 219, 255, 251

 213, 8, 219

 213, 0, 219

# Harmonies

## Analogous

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



193, 190, 233



218, 183, 219



234, 179, 199

# Triad

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



218, 183, 219



189, 214, 152



135, 172, 211

# Complementary

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



218, 183, 219



183, 219, 218

# 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.



146, 181, 206



218, 183, 219



155, 198, 162

# Square

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



218, 183, 219



231, 196, 160



167, 201, 203



141, 177, 228

# Rectangle

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



218, 183, 219



238, 179, 184



167, 201, 203



137, 172, 206



# Sweetspot

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



218, 183, 219



255, 242, 255



183, 184, 219



127, 120, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



218, 183, 219



254, 204, 255



219, 183, 202



109, 99, 110



169, 0, 173



45, 0, 46



# Inverse Universe

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



219, 183, 184



255, 204, 205



183, 207, 219



110, 99, 99



173, 0, 5



46, 0, 1



# Previews

## White Background



This preview shows how the RYB color 218, 183, 219 looks on a white background.

## Color Contrast Check

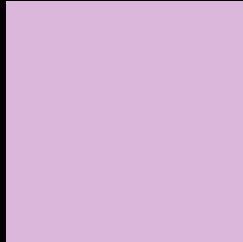
Large Text (above 18pt) WCAG AA × Fail

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 218, 183, 219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

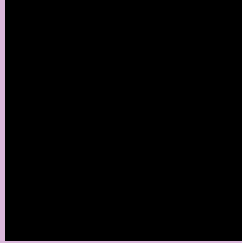
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 218, 183, 219 Background**



This preview shows how black text looks on a background with the RYB color 218, 183, 219.

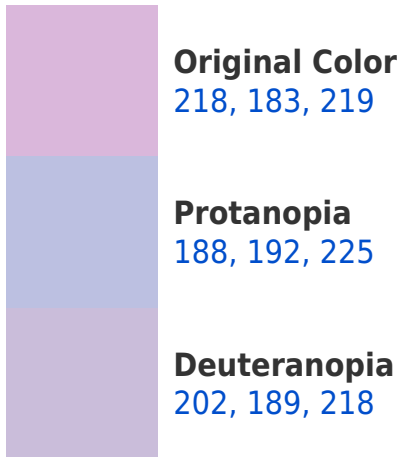



This preview shows how white text looks on a background with the RYB color 218, 183, 219.

# 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**  
215, 186, 201

# Trichromacy



**Original Color**  
218, 183, 219

**Protanomaly**  
199, 189, 223

**Deuteranomaly**  
208, 187, 218

**Tritanomaly**  
216, 185, 208

# Monochromacy



**Original Color**  
218, 183, 219

**Achromatopsia**  
198, 198, 198

**Achromatomaly**  
205, 193, 206

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 218, 183, 219 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(218, 183, 219) looks like.

```
.text, #text, p{  
    color:rgb(218, 183, 219)  
}
```

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(218, 183, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 183, 219) }
```

## Border

The CSS property to change the border of an element to RYB 218, 183, 219 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(218, 183, 219) }
```

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

```
.border{ border-color:rgb(218, 183, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 183, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 183, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 183, 219);  
box-shadow:4px 4px 4px 4px rgb(218, 183,  
219) }
```

# Background

The CSS property to change the background color of an element to RYB 218, 183, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 183, 219) }
```

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

```
.background{ background-color: rgb(218,  
183, 219) }
```

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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