

# Converting Colors

$Y_{xy}(100.0000, 0.4671, 0.3182)$

Have a look what the booklet for  
Yxy(100.0000, 0.4671, 0.3182)  
contains.

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# Color

**Yxy(59.8052, 0.3584, 0.3105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8CA
RGB	255, 184, 202
RGB Percent	100%, 72%, 79%
CMY	0.0001, 0.2783, 0.2079
CMYK	0.00, 0.28, 0.21, 0.00
HSL	345°, 100%, 86%
HSV	345°, 28%, 100%
XYZ	69.0312, 59.8052, 63.7730
YIQ	207.2810, 36.5380, 20.6500

# Conversions

## Conversions Part 2

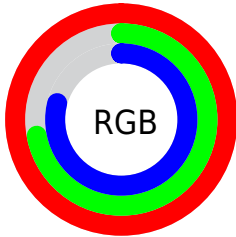
Format	Color
R <sub>Y</sub> B	255, 184, 202
Decimal	16758986
CIE Lab	81.73, 28.18, 1.17
CIE LCh	82, 28.205, 2.373
Yxy	59.8052, 0.3584, 0.3105
Android (android.graphics.Color)	4294949066 (0xFFFFB8CA)
YUV	207.2810, -2.6035, 41.8496
Hunter-Lab	77.3338, 24.0019, 5.2405

# Details

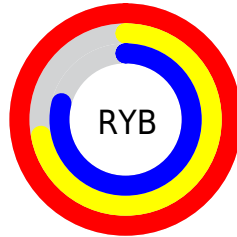
The Yxy color **59.8052, 0.3584, 0.3105** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.8083, 0.2810, 0.3485**, and the grayscale version is **62.5875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8002, 0.3134, 0.3146**, and **29.9737, 0.3701, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **49.3041, 0.3823, 0.3036**, and if you desaturate by 10%, it is **72.3322, 0.3389, 0.3174**.

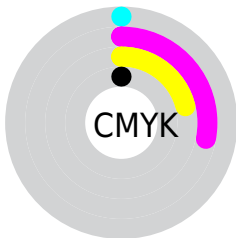
# Distribution



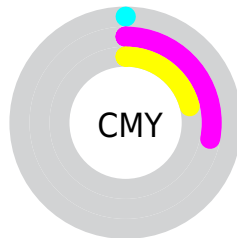
- Red (100%)
- Green (72%)
- Blue (79%)



- Red (100%)
- Yellow (72%)
- Blue (79%)



- Cyan (0%)
- Magenta (28%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (28%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8052, 0.3584, 0.3105 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 Yxy color 59.8052, 0.3584, 0.3105 by changing the saturation by 10% instead.





 59.8052, 0.3584,  
0.3105

 59.8052, 0.3584,  
0.3105

423.8794, 0.3365,  
0.3195

 43.2616, 0.3636,  
0.3084


 104.5470, 0.3506,  
0.3137

 30.0905, 0.3702,  
0.3057


133.5141, 0.3477,  
0.3149

 19.9073, 0.3786,  
0.3021


167.3911, 0.3451,  
0.3159

 12.3276, 0.3900,  
0.2974

206.5625, 0.3429,  
0.3168

 6.9672, 0.4061,  
0.2907

251.4126, 0.3410,  
0.3176

 3.4416, 0.4304,  
0.2804

302.3259, 0.3393,

 1.3664, 0.4714,

0.3183

0.2628

359.6867, 0.3378,  
0.3189

0.1918, 0.7319,  
0.1612

0.0000, 0.0000,  
0.0000

59.8052, 0.3584,  
0.3105

59.8052, 0.3584,  
0.3105

49.3041, 0.3823,  
0.3036

72.3322, 0.3389,  
0.3174

40.7139, 0.4111,  
0.2972

86.9753, 0.3230,  
0.3241

33.9208, 0.4447,  
0.2921

99.9942, 0.3127,  
0.3290

28.7957, 0.4824,  
0.2894

■ 25.1918, 0.5219,  
0.2901

■ 22.9366, 0.5593,  
0.2951

■ 21.8005, 0.5906,  
0.3040

■ 21.6308, 0.5966,  
0.3060

# Harmonies

## Analogous

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



59.8052, 0.3235, 0.2863



59.8052, 0.3584, 0.3105



59.8052, 0.3810, 0.3398

# Triad

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



59.8052, 0.3584, 0.3105



59.8052, 0.3352, 0.3935



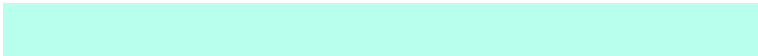
59.8052, 0.2461, 0.2846

# Complementary

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



59.8052, 0.3584, 0.3105



87.8083, 0.2810, 0.3485

# 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.



59.8052, 0.2489, 0.3118



59.8052, 0.3584, 0.3105



59.8052, 0.2990, 0.3780

# Square

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



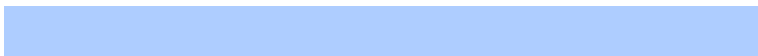
59.8052, 0.3584, 0.3105



59.8052, 0.3666, 0.3889



59.8052, 0.2678, 0.3468



59.8052, 0.2597, 0.2710



# Rectangle

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



59.8052, 0.3584, 0.3105



59.8052, 0.3852, 0.3594



59.8052, 0.2678, 0.3468



59.8052, 0.2452, 0.2924

# Sweetspot

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



59.8080, 0.3584, 0.3105



86.7252, 0.3232, 0.3240



59.3496, 0.3015, 0.2564



18.0625, 0.3254, 0.3230



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



59.8080, 0.3584, 0.3105



54.1419, 0.3702, 0.3069



66.2919, 0.3692, 0.3464



18.0625, 0.3254, 0.3230



11.3257, 0.5926, 0.3038



1.1195, 0.5610, 0.2864



# Inverse Universe

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



59.8080, 0.3584, 0.3105



54.1419, 0.3702, 0.3069



78.8021, 0.2703, 0.3109



18.0625, 0.3254, 0.3230



11.3257, 0.5926, 0.3038



1.1195, 0.5610, 0.2864



# Previews

## White Background



This preview shows how the Yxy color 59.8052, 0.3584, 0.3105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

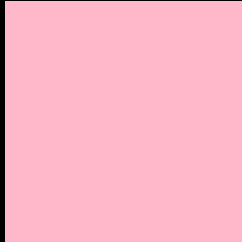
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.8052, 0.3584, 0.3105 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](#).

**Yxy 59.8052, 0.3584, 0.3105**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.8052, 0.3584, 0.3105.



This preview shows how white text looks on a background with the Yxy color 59.8052, 0.3584, 0.3105.

# 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

59.8052, 0.3584, 0.3105

### Protanopia

59.8825, 0.3065, 0.3162

### Deuteranopia

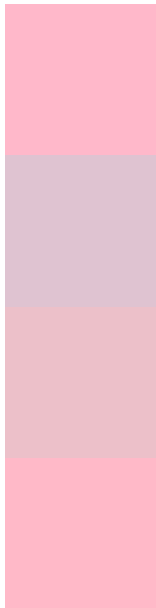
60.1102, 0.3329, 0.3257



## Tritanopia

60.0814, 0.3608, 0.3146

# Trichromacy



## Original Color

59.8052, 0.3584, 0.3105

## Protanomaly

59.3216, 0.3246, 0.3134

## Deuteranomaly

59.7492, 0.3419, 0.3193

## Tritanomaly

60.1281, 0.3599, 0.3136

# Monochromacy



## Original Color

59.8052, 0.3584, 0.3105

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

61.1019, 0.3280, 0.3223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8052, 0.3584, 0.3105 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, 184, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 202)  
}
```

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, 184, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8052, 0.3584, 0.3105 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, 184, 202) }
```

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

```
.border{ border-color:rgb(255, 184, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 184, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8052, 0.3584, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 202) }
```

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

```
.background{ background-color: rgb(255,  
184, 202) }
```

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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