

# Converting Colors

$Y_{xy}(59.6103, 0.3590, 0.3107)$

Have a look what the booklet for  
Yxy(59.6103, 0.3590, 0.3107)  
contains.

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# **Color**

**Yxy(59.7580, 0.3593, 0.3115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8C9
RGB	255, 184, 201
RGB Percent	100%, 72%, 79%
CMY	0.0000, 0.2784, 0.2118
CMYK	0.00, 0.28, 0.21, 0.00
HSL	346°, 100%, 86%
HSV	346°, 28%, 100%
XYZ	68.9279, 59.7580, 63.1536
YIQ	207.1670, 36.8590, 20.3390

# Conversions

## Conversions Part 2

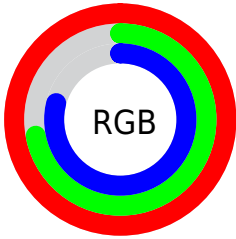
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 184, 201
Decimal	16758985
CIE <sub>Lab</sub>	81.71, 28.07, 1.67
CIE <sub>LCh</sub>	82, 28.117, 3.399
Yxy	59.7580, 0.3593, 0.3115
Android (android.graphics.Color)	4294949065 (0xFFFFB8C9)
YUV	207.1670, -3.0403, 41.9495
Hunter-Lab	77.3033, 23.8798, 5.6749

# Details

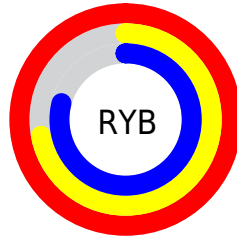
The Yxy color **59.7580, 0.3593, 0.3115** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.8835, 0.2805, 0.3474**, and the grayscale version is **62.5097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8002, 0.3134, 0.3146**, and **29.9422, 0.3713, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **49.2445, 0.3837, 0.3050**, and if you desaturate by 10%, it is **72.2934, 0.3394, 0.3181**.

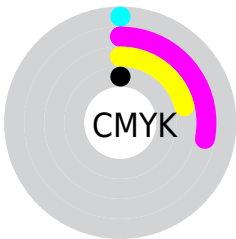
# Distribution



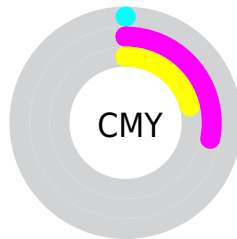
- Red (100%)
- Green (72%)
- Blue (79%)



- 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 59.7580, 0.3593, 0.3115 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 59.7580, 0.3593, 0.3115 by changing the saturation by 10% instead.




 59.7580, 0.3593,  
0.3115

 59.7580, 0.3593,  
0.3115


423.7052, 0.3369,  
0.3200

 43.2236, 0.3646,  
0.3095


 104.4785, 0.3514,  
0.3145

 30.0606, 0.3713,  
0.3069


133.4335, 0.3483,  
0.3157

 19.8846, 0.3800,  
0.3035


167.2974, 0.3457,  
0.3167

 12.3112, 0.3916,  
0.2990

206.4546, 0.3435,  
0.3175

 6.9560, 0.4081,  
0.2925

251.2896, 0.3415,  
0.3183

 3.4346, 0.4330,  
0.2825


302.1868, 0.3398,


 1.3626, 0.4750,

0.3189

0.2653


359.5305, 0.3383,  
0.3195

 0.1889, 0.7567,  
0.1653


 0.0000, 0.0000,  
0.0000


 59.7580, 0.3593,  
0.3115

 59.7580, 0.3593,  
0.3115

 49.2445, 0.3837,  
0.3050

 72.2934, 0.3394,  
0.3181

 40.6501, 0.4131,  
0.2989

 86.9538, 0.3232,  
0.3244

 33.8566, 0.4475,  
0.2942

100.0000, 0.3127,  
0.3290

 28.7344, 0.4859,  
0.2918

■ 25.1364, 0.5260,  
0.2927

■ 22.8895, 0.5638,  
0.2977

■ 21.7635, 0.5950,  
0.3064

■ 21.5972, 0.6008,  
0.3083

# Harmonies

## Analogous

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



59.7580, 0.3248, 0.2871



59.7580, 0.3593, 0.3115



59.7580, 0.3812, 0.3408

# Triad

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



59.7580, 0.3593, 0.3115



59.7580, 0.3340, 0.3931



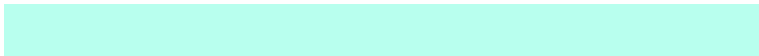
59.7580, 0.2465, 0.2841

# Complementary

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



59.7580, 0.3593, 0.3115



87.8835, 0.2805, 0.3474

# 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.



59.7580, 0.2487, 0.3108



59.7580, 0.3593, 0.3115



59.7580, 0.2979, 0.3770

# Square

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



59.7580, 0.3593, 0.3115



59.7580, 0.3655, 0.3892



59.7580, 0.2670, 0.3455



59.7580, 0.2606, 0.2710



# Rectangle

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



59.7580, 0.3593, 0.3115



59.7580, 0.3850, 0.3603



59.7580, 0.2670, 0.3455



59.7580, 0.2454, 0.2916

# Sweetspot

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



59.7566, 0.3593, 0.3115



86.7084, 0.3234, 0.3243



59.5475, 0.3024, 0.2565



18.0583, 0.3256, 0.3233



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

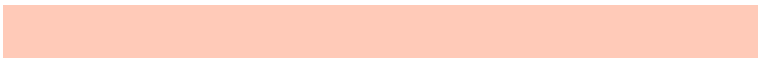
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7566, 0.3593, 0.3115



54.0903, 0.3713, 0.3081



66.8436, 0.3690, 0.3476



18.0583, 0.3256, 0.3233



11.3043, 0.5968, 0.3062



1.1169, 0.5656, 0.2890



# Inverse Universe

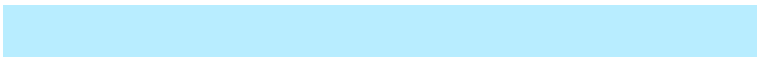
The Inverse Universe completely reimagines the original color for something new.



59.7566, 0.3593, 0.3115



54.0903, 0.3713, 0.3081



78.1230, 0.2701, 0.3095



18.0583, 0.3256, 0.3233



11.3043, 0.5968, 0.3062



1.1169, 0.5656, 0.2890



# Previews

## White Background



This preview shows how the Yxy color 59.7580, 0.3593, 0.3115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

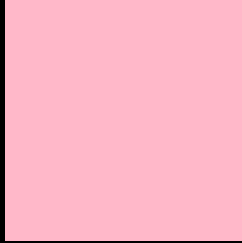
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7580, 0.3593, 0.3115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

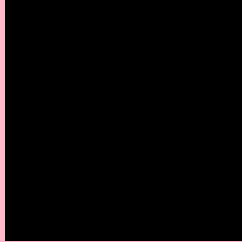
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.7580, 0.3593, 0.3115**

## Background



This preview shows how black text looks on a background with the Yxy color 59.7580, 0.3593, 0.3115.



This preview shows how white text looks on a background with the Yxy color 59.7580, 0.3593, 0.3115.

# 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

59.7580, 0.3593, 0.3115

### Protanopia

59.9737, 0.3079, 0.3174

### Deuteranopia

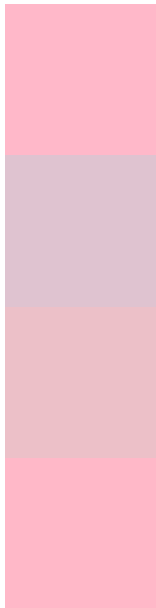
60.0636, 0.3337, 0.3268



## Tritanopia

59.6645, 0.3610, 0.3136

# Trichromacy



## Original Color

59.7580, 0.3593, 0.3115

## Protanomaly

59.2723, 0.3254, 0.3145

## Deuteranomaly

59.7023, 0.3427, 0.3203

## Tritanomaly

59.7111, 0.3601, 0.3125

# Monochromacy



## Original Color

59.7580, 0.3593, 0.3115

## 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 59.7580, 0.3593, 0.3115 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7580, 0.3593, 0.3115 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, 201) }
```

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

```
.border{ border-color:rgb(255, 184, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7580, 0.3593, 0.3115 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
184, 201) }
```

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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