

# Converting Colors

$Y_{xy}(78.8775, 0.4070, 0.3190)$

Have a look what the booklet for  
Yxy(78.8775, 0.4070, 0.3190)  
contains.

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# Color

**Yxy(63.8077, 0.3541, 0.3167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC1CD
RGB	255, 193, 205
RGB Percent	100%, 76%, 80%
CMY	0.0000, 0.2432, 0.1960
CMYK	0.00, 0.24, 0.20, 0.00
HSL	348°, 100%, 88%
HSV	348°, 24%, 100%
XYZ	71.3429, 63.8077, 66.3262
YIQ	212.9060, 33.1000, 16.8760

# Conversions

## Conversions Part 2

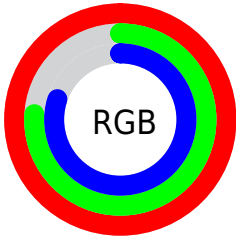
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 193, 205
Decimal	16761293
CIE Lab	83.87, 23.95, 2.64
CIE LCh	84, 24.093, 6.296
Yxy	63.8077, 0.3541, 0.3167
Android (android.graphics.Color)	4294951373 (0xFFFFC1CD)
YUV	212.9060, -3.8977, 36.9164
Hunter-Lab	79.8797, 19.6341, 6.6858

# Details

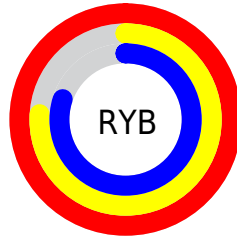
The Yxy color **63.8077, 0.3541, 0.3167** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.3245, 0.2828, 0.3418**, and the grayscale version is **66.4782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **32.5699, 0.3639, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **52.5562, 0.3783, 0.3114**, and if you desaturate by 10%, it is **77.1227, 0.3344, 0.3220**.

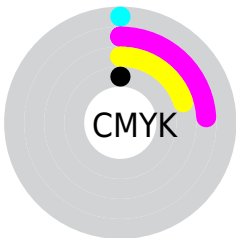
# Distribution



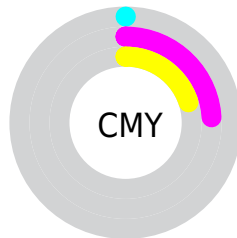
- Red (100%)
- Green (76%)
- Blue (80%)



- Red (100%)
- Yellow (76%)
- Blue (80%)



- Cyan (0%)
- Magenta (24%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8077, 0.3541, 0.3167 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 63.8077, 0.3541, 0.3167 by changing the saturation by 10% instead.




 63.8077, 0.3541,  
0.3167

 63.8077, 0.3541,  
0.3167


438.4949, 0.3344,  
0.3227

 46.4949, 0.3587,  
0.3153

 110.3339, 0.3472,  
0.3188

 32.6366, 0.3645,  
0.3135


140.3162, 0.3445,  
0.3196

 21.8482, 0.3720,  
0.3111


175.2905, 0.3422,  
0.3203

 13.7454, 0.3819,  
0.3079

215.6411, 0.3402,  
0.3209

 7.9438, 0.3959,  
0.3034

261.7524, 0.3385,  
0.3215

 4.0590, 0.4167,  
0.2964


314.0089, 0.3370,


 1.7066, 0.4511,

0.3219

0.2845


372.7949, 0.3356,  
0.3223


 0.4279, 0.5852,  
0.2503


 0.0000, 0.0000,  
0.0000


 63.8077, 0.3541,  
0.3167

 63.8077, 0.3541,  
0.3167

 52.5562, 0.3783,  
0.3114


 77.1227, 0.3344,  
0.3220

 43.2792, 0.4077,  
0.3063

 92.6142, 0.3186,  
0.3270

 35.8574, 0.4426,  
0.3022

100.0000, 0.3127,  
0.3290

 30.1652, 0.4823,  
0.2997

■ 26.0612, 0.5244,  
0.2999

■ 23.3815, 0.5648,  
0.3035

■ 21.9260, 0.5983,  
0.3105

■ 21.4859, 0.6130,  
0.3151

# Harmonies

## Analogous

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



63.8077, 0.3260, 0.2952



63.8077, 0.3541, 0.3167



63.8077, 0.3709, 0.3419

# Triad

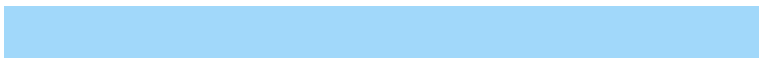
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.8077, 0.3541, 0.3167



63.8077, 0.3280, 0.3817



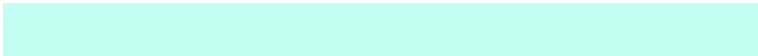
63.8077, 0.2572, 0.2898

# Complementary

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



63.8077, 0.3541, 0.3167



89.3245, 0.2828, 0.3418

# 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.



63.8077, 0.2578, 0.3115



63.8077, 0.3541, 0.3167



63.8077, 0.2977, 0.3667

# Square

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



63.8077, 0.3541, 0.3167



63.8077, 0.3551, 0.3805



63.8077, 0.2723, 0.3401



63.8077, 0.2706, 0.2795



# Rectangle

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



63.8077, 0.3541, 0.3167



63.8077, 0.3730, 0.3580



63.8077, 0.2723, 0.3401



63.8077, 0.2558, 0.2959

# Sweetspot

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



63.8024, 0.3541, 0.3167



88.2431, 0.3225, 0.3257



64.3367, 0.3063, 0.2665



18.6818, 0.3234, 0.3254



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.



63.8024, 0.3541, 0.3167



58.2864, 0.3648, 0.3142



71.9919, 0.3594, 0.3483



18.0447, 0.3264, 0.3244



11.2431, 0.6095, 0.3131



1.1091, 0.5800, 0.2969



# Inverse Universe

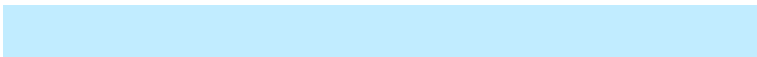
The Inverse Universe completely reimagines the original color for something new.



63.8024, 0.3541, 0.3167



58.2864, 0.3648, 0.3142



78.7746, 0.2750, 0.3089



18.0447, 0.3264, 0.3244



11.2431, 0.6095, 0.3131



1.1091, 0.5800, 0.2969



# Previews

## White Background



This preview shows how the Yxy color 63.8077, 0.3541, 0.3167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

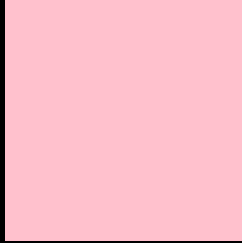
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8077, 0.3541, 0.3167 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 63.8077, 0.3541, 0.3167**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8077, 0.3541, 0.3167.

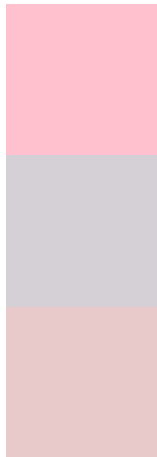


This preview shows how white text looks on a background with the Yxy color 63.8077, 0.3541, 0.3167.

# 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

63.8077, 0.3541, 0.3167

### Protanopia

63.9638, 0.3115, 0.3222

### Deuteranopia

63.7087, 0.3355, 0.3280



## Tritanopia

63.9049, 0.3524, 0.3147

# Trichromacy



## Original Color

63.8077, 0.3541, 0.3167

## Protanomaly

63.9090, 0.3263, 0.3203

## Deuteranomaly

63.7317, 0.3416, 0.3237

## Tritanomaly

63.8562, 0.3533, 0.3157

# Monochromacy



## Original Color

63.8077, 0.3541, 0.3167

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.2897, 0.3267, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8077, 0.3541, 0.3167 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, 193, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 205)  
}
```

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, 193, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8077, 0.3541, 0.3167 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, 193, 205) }
```

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

```
.border{ border-color:rgb(255, 193, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
205) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  63.8077, 0.3541, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 205) }
```

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

```
.background{ background-color: rgb(255,  
193, 205) }
```

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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