

# Converting Colors

$Y_{xy}(65.1100, 0.3665, 0.3104)$

Have a look what the booklet for  
Yxy(65.1100, 0.3665, 0.3104)  
contains.

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# Color

**Yxy(61.7314, 0.3534, 0.3095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBCCF
RGB	255, 188, 207
RGB Percent	100%, 74%, 81%
CMY	0.0000, 0.2627, 0.1882
CMYK	0.00, 0.26, 0.19, 0.00
HSL	343°, 100%, 87%
HSV	343°, 26%, 100%
XYZ	70.4875, 61.7314, 67.2364
YIQ	210.1990, 33.8330, 20.1130

# Conversions

## Conversions Part 2

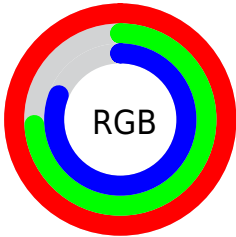
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 188, 207
Decimal	16760015
CIE Lab	82.77, 26.84, -0.02
CIE LCh	83, 26.845, 359.961
Yxy	61.7314, 0.3534, 0.3095
Android (android.graphics.Color)	4294950095 (0xFFFFBCCF)
YUV	210.1990, -1.5771, 39.2905
Hunter-Lab	78.5693, 22.6427, 4.2606

# Details

The Yxy color **61.7314, 0.3534, 0.3095** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.2677, 0.2837, 0.3495**, and the grayscale version is **64.5813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **31.2204, 0.3631, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **50.9413, 0.3756, 0.3017**, and if you desaturate by 10%, it is **74.5535, 0.3353, 0.3172**.

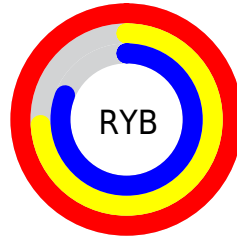
# Distribution



Red (100%)

Green (74%)

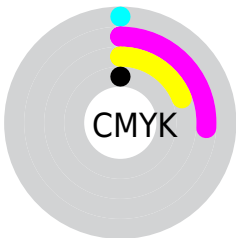
Blue (81%)



Red (100%)

Yellow (74%)

Blue (81%)

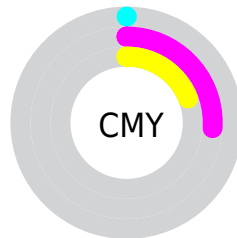


Cyan (0%)

Magenta (26%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7314, 0.3534, 0.3095 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 61.7314, 0.3534, 0.3095 by changing the saturation by 10% instead.




 61.7314, 0.3534,  
0.3095

 61.7314, 0.3534,  
0.3095


430.9507, 0.3340,  
0.3188

 44.8157, 0.3580,  
0.3073

 107.3372, 0.3466,  
0.3128

 31.3123, 0.3637,  
0.3046

136.7962, 0.3439,  
0.3140

 20.8368, 0.3711,  
0.3010


171.2049, 0.3417,  
0.3151

 13.0047, 0.3810,  
0.2963

210.9480, 0.3397,  
0.3161

 7.4318, 0.3948,  
0.2896

256.4097, 0.3380,  
0.3169

 3.7336, 0.4156,  
0.2797


307.9744, 0.3365,

 1.5257, 0.4501,


0.3176


0.2631


366.0266, 0.3352,  
0.3182


 0.3067, 0.5971,  
0.1925


 0.0000, 0.0000,  
0.0000


 61.7314, 0.3534,  
0.3095


 61.7314, 0.3534,  
0.3095

 50.9413, 0.3756,  
0.3017


 74.5535, 0.3353,  
0.3172

 42.0726, 0.4022,  
0.2944

 89.4989, 0.3205,  
0.3246

 35.0129, 0.4336,  
0.2883

100.0000, 0.3127,  
0.3290

 29.6358, 0.4691,  
0.2845

■ 25.7982, 0.5068,  
0.2841

■ 23.3330, 0.5438,  
0.2883

■ 22.0329, 0.5761,  
0.2969

■ 21.7323, 0.5867,  
0.3006

# Harmonies

## Analogous

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



61.7314, 0.3201, 0.2872



61.7314, 0.3534, 0.3095



61.7314, 0.3759, 0.3371

# Triad

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



61.7314, 0.3534, 0.3095



61.7314, 0.3367, 0.3900



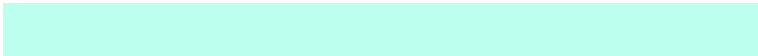
61.7314, 0.2494, 0.2889

# Complementary

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



61.7314, 0.3534, 0.3095



88.2677, 0.2837, 0.3495

# 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.



61.7314, 0.2533, 0.3155



61.7314, 0.3534, 0.3095



61.7314, 0.3026, 0.3768

# Square

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



61.7314, 0.3534, 0.3095



61.7314, 0.3654, 0.3844



61.7314, 0.2724, 0.3484



61.7314, 0.2611, 0.2748



# Rectangle

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



61.7314, 0.3534, 0.3095



61.7314, 0.3809, 0.3557



61.7314, 0.2724, 0.3484



61.7314, 0.2489, 0.2966

# Sweetspot

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



61.7333, 0.3534, 0.3095



86.7622, 0.3228, 0.3234



60.8333, 0.3006, 0.2603



18.0718, 0.3249, 0.3223



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.



61.7333, 0.3534, 0.3095



55.3113, 0.3656, 0.3050



66.8523, 0.3659, 0.3431



18.0718, 0.3249, 0.3223



11.3775, 0.5825, 0.2983



1.1256, 0.5506, 0.2807



# Inverse Universe

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



61.7333, 0.3534, 0.3095



55.3113, 0.3656, 0.3050



81.1786, 0.2728, 0.3144



18.0718, 0.3249, 0.3223



11.3775, 0.5825, 0.2983

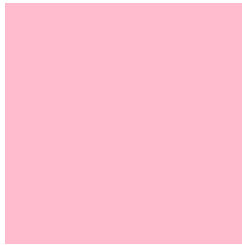


1.1256, 0.5506, 0.2807



# Previews

## White Background



This preview shows how the Yxy color 61.7314, 0.3534, 0.3095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

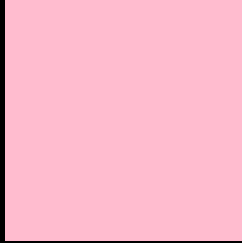
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7314, 0.3534, 0.3095 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 61.7314, 0.3534, 0.3095**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7314, 0.3534, 0.3095.



This preview shows how white text looks on a background with the Yxy color 61.7314, 0.3534, 0.3095.

# 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

61.7314, 0.3534, 0.3095

### Protanopia

61.9378, 0.3059, 0.3153

### Deuteranopia

62.0472, 0.3303, 0.3235



## Tritanopia

61.9670, 0.3565, 0.3146

# Trichromacy



## Original Color

61.7314, 0.3534, 0.3095

## Protanomaly

61.4982, 0.3220, 0.3135

## Deuteranomaly

61.9406, 0.3381, 0.3183

## Tritanomaly

62.0148, 0.3557, 0.3136

# Monochromacy



## Original Color

61.7314, 0.3534, 0.3095

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

63.0133, 0.3263, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7314, 0.3534, 0.3095 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, 188, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 207)  
}
```

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, 188, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7314, 0.3534, 0.3095 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, 188, 207) }
```

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

```
.border{ border-color:rgb(255, 188, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 188, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7314, 0.3534, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 207) }
```

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

```
.background{ background-color: rgb(255,  
188, 207) }
```

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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