

# Converting Colors

$Yxy(64.7869, 0.3439, 0.3050)$

Have a look what the booklet for  
Yxy(64.7869, 0.3439, 0.3050)  
contains.

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# Color

**Yxy(64.8533, 0.3442, 0.3056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2D9
RGB	255, 194, 217
RGB Percent	100%, 76%, 85%
CMY	0.0002, 0.2391, 0.1490
CMYK	0.00, 0.24, 0.15, 0.00
HSL	337°, 100%, 88%
HSV	337°, 24%, 100%
XYZ	73.0448, 64.8533, 74.3181
YIQ	214.8610, 28.9730, 20.0850

# Conversions

## Conversions Part 2

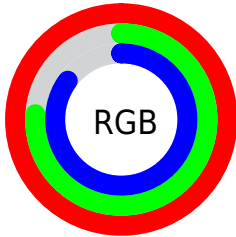
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 194, 217
Decimal	16761561
CIE <sub>Lab</sub>	84.41, 25.19, -2.98
CIE <sub>LCh</sub>	84, 25.369, 353.265
Y <sub>xy</sub>	64.8533, 0.3442, 0.3056
Android (android.graphics.Color)	4294951641 (0xFFFFC2D9)
YUV	214.8610, 1.0545, 35.2019
Hunter-Lab	80.5315, 20.9754, 1.6566

# Details

The Yxy color **64.8533, 0.3442, 0.3056** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.7897, 0.2891, 0.3538**, and the grayscale version is **67.8347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **33.3706, 0.3527, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **53.6757, 0.3624, 0.2953**, and if you desaturate by 10%, it is **78.0632, 0.3292, 0.3158**.

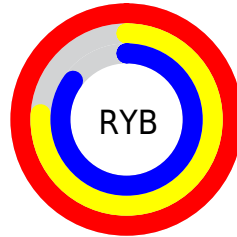
# Distribution



Red (100%)

Green (76%)

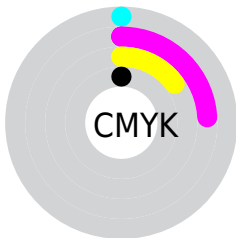
Blue (85%)



Red (100%)

Yellow (76%)

Blue (85%)

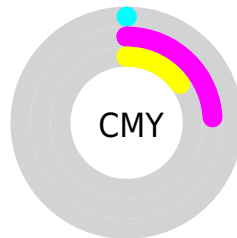


Cyan (0%)

Magenta (24%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8533, 0.3442, 0.3056 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 64.8533, 0.3442, 0.3056 by changing the saturation by 10% instead.




 64.8533, 0.3442,  
0.3056

 64.8533, 0.3442,  
0.3056


442.2646, 0.3294,  
0.3165

 47.3421, 0.3476,  
0.3031


 111.8389, 0.3390,  
0.3094

 33.3062, 0.3519,  
0.3000


142.0822, 0.3370,  
0.3109

 22.3611, 0.3574,  
0.2960


177.3382, 0.3353,  
0.3121

 14.1225, 0.3646,  
0.2908

217.9915, 0.3338,  
0.3132

 8.2059, 0.3747,  
0.2837

264.4264, 0.3325,  
0.3142

 4.2270, 0.3895,  
0.2732

317.0273, 0.3313,

 1.8013, 0.4135,

0.3151

0.2567

376.1785, 0.3303,  
0.3158

0.4880, 0.4730,  
0.2095

0.0000, 1.0000,  
0.0000

64.8533, 0.3442,  
0.3056

64.8533, 0.3442,  
0.3056

53.6757, 0.3624,  
0.2953

78.0632, 0.3292,  
0.3158

44.4199, 0.3843,  
0.2853

93.3909, 0.3169,  
0.3254

36.9784, 0.4099,  
0.2764

99.9918, 0.3127,  
0.3290

31.2295, 0.4392,  
0.2697

■ 27.0361, 0.4710,  
0.2666

■ 24.2397, 0.5037,  
0.2683

■ 22.6470, 0.5346,  
0.2752

■ 22.0995, 0.5519,  
0.2814

# Harmonies

## Analogous

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



64.8533, 0.3124, 0.2864



64.8533, 0.3442, 0.3056



64.8533, 0.3680, 0.3308

# Triad

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



64.8533, 0.3442, 0.3056



64.8533, 0.3419, 0.3859



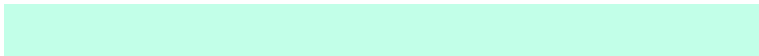
64.8533, 0.2532, 0.2965

# Complementary

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



64.8533, 0.3442, 0.3056



88.7897, 0.2891, 0.3538

# 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.



64.8533, 0.2602, 0.3232



64.8533, 0.3442, 0.3056



64.8533, 0.3105, 0.3774

# Square

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



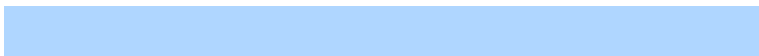
64.8533, 0.3442, 0.3056



64.8533, 0.3662, 0.3774



64.8533, 0.2808, 0.3537



64.8533, 0.2609, 0.2803



# Rectangle

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



64.8533, 0.3442, 0.3056



64.8533, 0.3754, 0.3484



64.8533, 0.2808, 0.3537



64.8533, 0.2539, 0.3044

# Sweetspot

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



64.8562, 0.3442, 0.3056



88.4398, 0.3204, 0.3225



62.9003, 0.2982, 0.2661



18.7272, 0.3211, 0.3219



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.



64.8562, 0.3442, 0.3056



58.9288, 0.3531, 0.3003



66.9832, 0.3611, 0.3365



18.1004, 0.3235, 0.3201



11.5785, 0.5476, 0.2790



1.1478, 0.5168, 0.2620



# Inverse Universe

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



64.8562, 0.3442, 0.3056



58.9288, 0.3531, 0.3003



85.7312, 0.2767, 0.3214



18.1004, 0.3235, 0.3201



11.5785, 0.5476, 0.2790



1.1478, 0.5168, 0.2620



# Previews

## White Background



This preview shows how the Yxy color 64.8533, 0.3442, 0.3056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

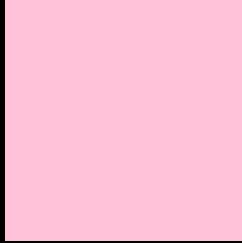
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8533, 0.3442, 0.3056 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 64.8533, 0.3442, 0.3056**

## Background



This preview shows how black text looks on a background with the Yxy color 64.8533, 0.3442, 0.3056.



This preview shows how white text looks on a background with the Yxy color 64.8533, 0.3442, 0.3056.

# 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

64.8533, 0.3442, 0.3056

### Protanopia

65.2858, 0.3019, 0.3111

### Deuteranopia

64.7500, 0.3240, 0.3171



## Tritanopia

64.7542, 0.3489, 0.3137

# Trichromacy



## Original Color

64.8533, 0.3442, 0.3056

## Protanomaly

64.6822, 0.3160, 0.3084

## Deuteranomaly

64.4436, 0.3307, 0.3120

## Tritanomaly

64.9051, 0.3465, 0.3106

# Monochromacy



## Original Color

64.8533, 0.3442, 0.3056

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

66.4065, 0.3238, 0.3193

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8533, 0.3442, 0.3056 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, 194, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 217)  
}
```

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, 194, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8533, 0.3442, 0.3056 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, 194, 217) }
```

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

```
.border{ border-color:rgb(255, 194, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8533, 0.3442, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 217) }
```

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

```
.background{ background-color: rgb(255,  
194, 217) }
```

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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