

# Converting Colors

$Y_{xy}(67.5238, 0.3535, 0.3041)$

Have a look what the booklet for  
Yxy(67.5238, 0.3535, 0.3041)  
contains.

<b>Yxy(64.9580, 0.3427, 0.3036)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.9580, 0.3427, 0.3036)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2DB
RGB	255, 194, 219
RGB Percent	100%, 76%, 86%
CMY	0.0000, 0.2392, 0.1413
CMYK	0.00, 0.24, 0.14, 0.00
HSL	335°, 100%, 88%
HSV	335°, 24%, 100%
XYZ	73.3238, 64.9580, 75.6774
YIQ	215.0890, 28.3310, 20.7070

# Conversions

## Conversions Part 2

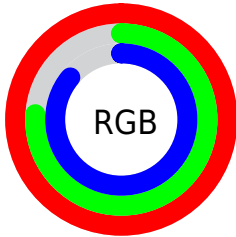
Format	Color
R <sub>Y</sub> B	255, 194, 219
Decimal	16761563
CIE Lab	84.46, 25.54, -3.95
CIE LCh	84, 25.847, 351.211
Yxy	64.9580, 0.3427, 0.3036
Android (android.graphics.Color)	4294951643 (0xFFFFC2DB)
YUV	215.0890, 1.9281, 35.0019
Hunter-Lab	80.5965, 21.3489, 0.7463

# Details

The Yxy color **64.9580, 0.3427, 0.3036** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.7028, 0.2901, 0.3560**, and the grayscale version is **67.9866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **33.4423, 0.3505, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **53.8047, 0.3599, 0.2924**, and if you desaturate by 10%, it is **78.1248, 0.3284, 0.3146**.

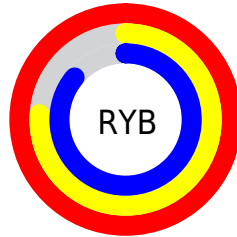
# Distribution



Red (100%)

Green (76%)

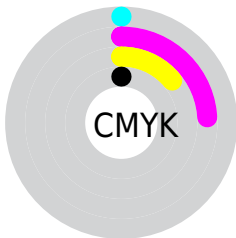
Blue (86%)



Red (100%)

Yellow (76%)

Blue (86%)

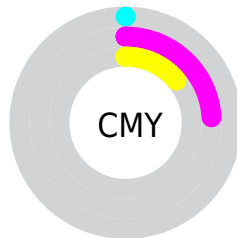


Cyan (0%)

Magenta (24%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9580, 0.3427, 0.3036 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 64.9580, 0.3427, 0.3036 by changing the saturation by 10% instead.




 64.9580, 0.3427,  
0.3036

 64.9580, 0.3427,  
0.3036


442.6410, 0.3286,  
0.3154

 47.4270, 0.3460,  
0.3009


 111.9895, 0.3378,  
0.3077

 33.3734, 0.3500,  
0.2975


142.2588, 0.3359,  
0.3093

 22.4126, 0.3552,  
0.2933


177.5429, 0.3343,  
0.3107

 14.1604, 0.3620,  
0.2877

218.2264, 0.3328,  
0.3119

 8.2323, 0.3715,  
0.2801

264.6935, 0.3316,  
0.3129

 4.2440, 0.3854,  
0.2691


317.3288, 0.3305,


 1.8109, 0.4077,


0.3138


0.2517

376.5165, 0.3295,  
0.3147

 0.4940, 0.4611,  
0.2035


 0.0000, 1.0000,  
0.0000

 64.9580, 0.3427,  
0.3036


 64.9580, 0.3427,  
0.3036

 53.8047, 0.3599,  
0.2924

 78.1248, 0.3284,  
0.3146

 44.5721, 0.3805,  
0.2816

 93.4077, 0.3167,  
0.3251

 37.1471, 0.4046,  
0.2719

100.0000, 0.3127,  
0.3290

 31.4083, 0.4320,  
0.2645

■ 27.2191, 0.4618,  
0.2607

■ 24.4211, 0.4926,  
0.2617

■ 22.8214, 0.5220,  
0.2681

■ 22.2684, 0.5387,  
0.2741

# Harmonies

## Analogous

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



64.9580, 0.3101, 0.2847



64.9580, 0.3427, 0.3036



64.9580, 0.3678, 0.3290

# Triad

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



64.9580, 0.3427, 0.3036



64.9580, 0.3444, 0.3869



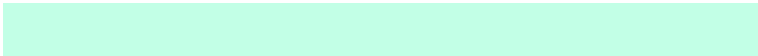
64.9580, 0.2521, 0.2974

# Complementary

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



64.9580, 0.3427, 0.3036



88.7028, 0.2901, 0.3560

# 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.



64.9580, 0.2603, 0.3252



64.9580, 0.3427, 0.3036



64.9580, 0.3127, 0.3795

# Square

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



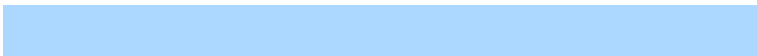
64.9580, 0.3427, 0.3036



64.9580, 0.3684, 0.3772



64.9580, 0.2820, 0.3561



64.9580, 0.2590, 0.2801



# Rectangle

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



64.9580, 0.3427, 0.3036



64.9580, 0.3762, 0.3469



64.9580, 0.2820, 0.3561



64.9580, 0.2532, 0.3057

# Sweetspot

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



64.9552, 0.3427, 0.3036



88.4750, 0.3201, 0.3219



62.5556, 0.2967, 0.2657



18.7353, 0.3208, 0.3213



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.



64.9552, 0.3427, 0.3036



59.0482, 0.3510, 0.2979



66.0383, 0.3617, 0.3344



18.1104, 0.3230, 0.3193



11.6636, 0.5345, 0.2718



1.1567, 0.5047, 0.2554



# Inverse Universe

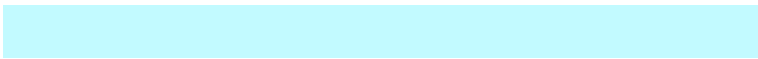
The Inverse Universe completely reimagines the original color for something new.



64.9552, 0.3427, 0.3036



59.0482, 0.3510, 0.2979



87.0080, 0.2768, 0.3235



18.1104, 0.3230, 0.3193



11.6636, 0.5345, 0.2718



1.1567, 0.5047, 0.2554



# Previews

## White Background



This preview shows how the Yxy color 64.9580, 0.3427, 0.3036 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

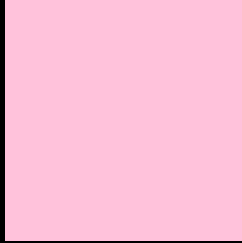
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9580, 0.3427, 0.3036 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 64.9580, 0.3427, 0.3036**

## Background



This preview shows how black text looks on a background with the Yxy color 64.9580, 0.3427, 0.3036.



This preview shows how white text looks on a background with the Yxy color 64.9580, 0.3427, 0.3036.

# 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

64.9580, 0.3427, 0.3036

### Protanopia

65.4520, 0.2999, 0.3078

### Deuteranopia

65.3304, 0.3225, 0.3160



## Tritanopia

64.8042, 0.3481, 0.3126

# Trichromacy



## Original Color

64.9580, 0.3427, 0.3036

## Protanomaly

64.7907, 0.3145, 0.3062

## Deuteranomaly

65.0124, 0.3291, 0.3110

## Tritanomaly

64.9561, 0.3457, 0.3096

# Monochromacy



## Original Color

64.9580, 0.3427, 0.3036

## 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 64.9580, 0.3427, 0.3036 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9580, 0.3427, 0.3036 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, 219) }
```

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

```
.border{ border-color:rgb(255, 194, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9580, 0.3427, 0.3036 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
194, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor