

# Converting Colors

$Y_{xy}(75.1613, 0.3565, 0.2975)$

Have a look what the booklet for  
Yxy(75.1613, 0.3565, 0.2975)  
contains.

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# Color

**Yxy(68.0474, 0.3305, 0.2939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7EA
RGB	255, 199, 234
RGB Percent	100%, 78%, 92%
CMY	0.0000, 0.2196, 0.0822
CMYK	0.00, 0.22, 0.08, 0.00
HSL	322°, 100%, 89%
HSV	322°, 22%, 100%
XYZ	76.5215, 68.0474, 86.9636
YIQ	219.7340, 22.1410, 22.7570

# Conversions

## Conversions Part 2

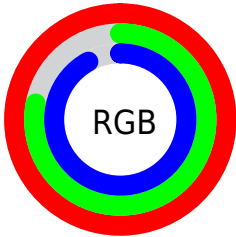
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 199, 234
Decimal	16762858
CIE Lab	86.03, 25.36, -9.65
CIE LCh	86, 27.130, 339.168
Yxy	68.0474, 0.3305, 0.2939
Android (android.graphics.Color)	4294952938 (0xFFFFC7EA)
YUV	219.7340, 7.0331, 30.9283
Hunter-Lab	82.4908, 21.2241, -4.7612

# Details

The Yxy color **68.0474, 0.3305, 0.2939** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.8274, 0.2984, 0.3669**, and the grayscale version is **71.3138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4709, 0.3351, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **56.7460, 0.3410, 0.2772**, and if you desaturate by 10%, it is **81.3449, 0.3216, 0.3103**.

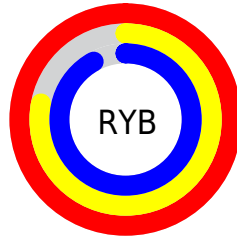
# Distribution



Red (100%)

Green (78%)

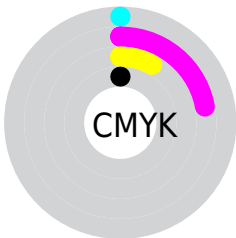
Blue (92%)



Red (100%)

Yellow (78%)

Blue (92%)

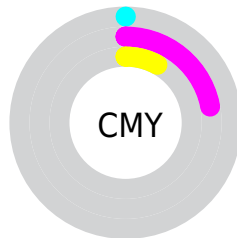


Cyan (0%)

Magenta (22%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0474, 0.3305, 0.2939 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 68.0474, 0.3305, 0.2939 by changing the saturation by 10% instead.




 68.0474, 0.3305,  
0.2939

 68.0474, 0.3305,  
0.2939

453.6639, 0.3224,  
0.3099

 49.9363, 0.3323,  
0.2903

116.4199, 0.3277,  
0.2994

 35.3628, 0.3345,  
0.2859


147.4502, 0.3266,  
0.3015

 23.9425, 0.3373,  
0.2804


183.5556, 0.3257,  
0.3034

 15.2909, 0.3410,  
0.2734

225.1206, 0.3249,  
0.3050

 9.0238, 0.3458,  
0.2639

272.5295, 0.3241,  
0.3064

 4.7567, 0.3527,  
0.2505

326.1668, 0.3235,

 2.1052, 0.3631,

0.3077

0.2303

386.4168, 0.3229,  
0.3088

0.6676, 0.3824,  
0.1928

0.0000, 0.5066,  
0.0000

68.0474, 0.3305,  
0.2939

68.0474, 0.3305,  
0.2939

56.7460, 0.3410,  
0.2772

81.3449, 0.3216,  
0.3103

47.3416, 0.3532,  
0.2609

96.7293, 0.3140,  
0.3260

39.7277, 0.3671,  
0.2458

100.0000, 0.3127,  
0.3290

33.7867, 0.3826,  
0.2331

■ 29.3872, 0.3991,  
0.2238

■ 26.3775, 0.4163,  
0.2191

■ 24.5749, 0.4333,  
0.2196

■ 23.7809, 0.4467,  
0.2234

# Harmonies

## Analogous

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



68.0474, 0.2966, 0.2782



68.0474, 0.3305, 0.2939



68.0474, 0.3608, 0.3179

# Triad

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



68.0474, 0.3305, 0.2939



68.0474, 0.3568, 0.3867



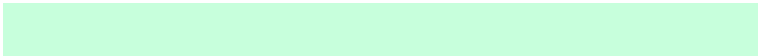
68.0474, 0.2517, 0.3068

# Complementary

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



68.0474, 0.3305, 0.2939



88.8274, 0.2984, 0.3669

# 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.



68.0474, 0.2661, 0.3380



68.0474, 0.3305, 0.2939



68.0474, 0.3261, 0.3866

# Square

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



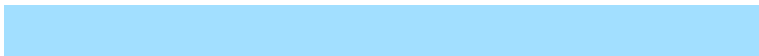
68.0474, 0.3305, 0.2939



68.0474, 0.3761, 0.3708



68.0474, 0.2930, 0.3684



68.0474, 0.2526, 0.2841



# Rectangle

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



68.0474, 0.3305, 0.2939



68.0474, 0.3741, 0.3363



68.0474, 0.2930, 0.3684



68.0474, 0.2549, 0.3166

# Sweetspot

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



68.0477, 0.3305, 0.2939



88.7122, 0.3177, 0.3182



63.2082, 0.2896, 0.2698



18.7903, 0.3181, 0.3173



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.



68.0477, 0.3305, 0.2939



63.2491, 0.3345, 0.2872



66.5844, 0.3517, 0.3214



18.1782, 0.3196, 0.3142



12.4559, 0.4440, 0.2220



1.2340, 0.4262, 0.2121



# Inverse Universe

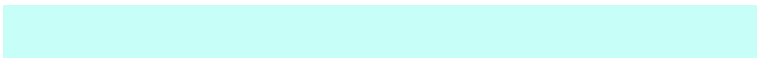
The Inverse Universe completely reimagines the original color for something new.



68.0477, 0.3305, 0.2939



63.2491, 0.3345, 0.2872



90.4101, 0.2838, 0.3368



18.1782, 0.3196, 0.3142



12.4559, 0.4440, 0.2220



1.2340, 0.4262, 0.2121



# Previews

## White Background



This preview shows how the Yxy color 68.0474, 0.3305, 0.2939 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 68.0474, 0.3305, 0.2939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

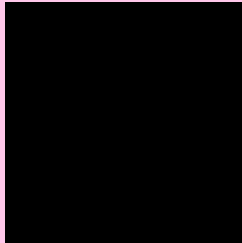
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.0474, 0.3305, 0.2939**

## Background



This preview shows how black text looks on a background with the Yxy color 68.0474, 0.3305, 0.2939.



This preview shows how white text looks on a background with the Yxy color 68.0474, 0.3305, 0.2939.

# 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

68.0474, 0.3305, 0.2939

### Protanopia

68.4131, 0.2917, 0.2975

### Deuteranopia

68.0851, 0.3117, 0.3045



## Tritanopia

68.1335, 0.3414, 0.3137

# Trichromacy



**Original Color**

68.0474, 0.3305, 0.2939

**Protanomaly**

68.2231, 0.3048, 0.2962

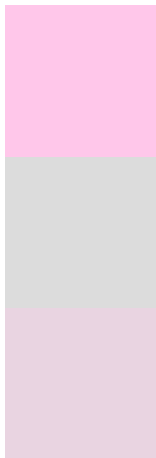
**Deuteranomaly**

67.7230, 0.3178, 0.2998

**Tritanomaly**

68.1718, 0.3378, 0.3067

# Monochromacy



**Original Color**

68.0474, 0.3305, 0.2939

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

69.8468, 0.3193, 0.3152

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0474, 0.3305, 0.2939 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, 199, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 234)  
}
```

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, 199, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0474, 0.3305, 0.2939 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, 199, 234) }
```

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

```
.border{ border-color:rgb(255, 199, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0474, 0.3305, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 234) }
```

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

```
.background{ background-color: rgb(255,  
199, 234) }
```

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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