

# Converting Colors

Yxy(69.4209, 0.3154, 0.2883)

Have a look what the booklet for  
Yxy(69.4209, 0.3154, 0.2883)  
contains.

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# Color

**Yxy(69.3711, 0.3154, 0.2876)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6CCF5
RGB	246, 204, 245
RGB Percent	96%, 80%, 96%
CMY	0.0353, 0.2000, 0.0392
CMYK	0.00, 0.17, 0.00, 0.04
HSL	301°, 70%, 88%
HSV	301°, 17%, 96%
XYZ	76.0767, 69.3711, 95.7591
YIQ	221.2320, 11.8710, 21.6550

# Conversions

## Conversions Part 2

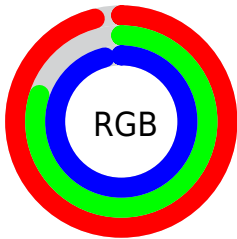
Format	Color
R <sub>Y</sub> B	246, 204, 245
Decimal	16174325
CIE Lab	86.69, 21.62, -14.57
CIE LCh	87, 26.072, 326.022
Yxy	69.3711, 0.3154, 0.2876
Android (android.graphics.Color)	4294364405 (0xFFFF6CCF5)
YUV	221.2320, 11.7176, 21.7215
Hunter-Lab	83.2893, 17.2860, -9.8642

# Details

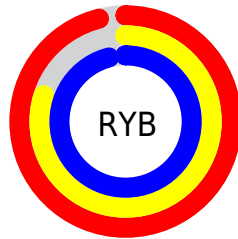
The Yxy color **69.3711, 0.3154, 0.2876** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **83.1537, 0.3100, 0.3742**, and the grayscale version is **72.3888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.3056, 0.3151, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **58.5530, 0.3171, 0.2630**, and if you desaturate by 10%, it is **82.0421, 0.3138, 0.3121**.

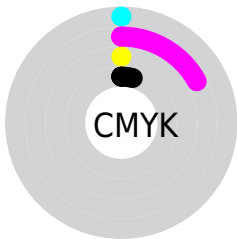
# Distribution



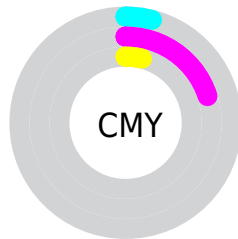
- Red (96%)
- Green (80%)
- Blue (96%)



- Red (96%)
- Yellow (80%)
- Blue (96%)



- Cyan (0%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)




- Cyan (4%)
- Magenta (20%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3711, 0.3154, 0.2876 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 69.3711, 0.3154, 0.2876 by changing the saturation by 10% instead.




 69.3711, 0.3154,  
0.2876

 69.3711, 0.3154,  
0.2876


458.3387, 0.3144,  
0.3063

 51.0140, 0.3156,  
0.2835


118.3115, 0.3151,  
0.2940

 36.2197, 0.3157,  
0.2784


149.6635, 0.3150,  
0.2965

 24.6040, 0.3159,  
0.2721


186.1160, 0.3149,  
0.2987

 15.7822, 0.3160,  
0.2640

228.0533, 0.3148,  
0.3006

 9.3702, 0.3161,  
0.2532

275.8598, 0.3147,  
0.3022

 4.9834, 0.3159,  
0.2382


329.9200, 0.3146,


 2.2375, 0.3151,


0.3037


0.2160


390.6182, 0.3145,  
0.3051


 0.7403, 0.3126,  
0.1788


 0.0000, 0.2244,  
0.0000

 69.3711, 0.3154,  
0.2876


 69.3711, 0.3154,  
0.2876


 58.5530, 0.3171,  
0.2630


 82.0421, 0.3138,  
0.3121

 49.4923, 0.3188,  
0.2391

 96.6377, 0.3123,  
0.3359

 42.0986, 0.3205,  
0.2168

 97.8113, 0.3119,  
0.3370

 36.2698, 0.3221,  
0.1972

 97.8475, 0.3115,  
0.3364

31.8930, 0.3236,  
0.1811

97.8838, 0.3112,  
0.3359

28.8396, 0.3249,  
0.1692

97.9202, 0.3109,  
0.3353

26.9589, 0.3260,  
0.1616

97.9567, 0.3105,  
0.3347

26.0575, 0.3268,  
0.1581

97.9933, 0.3102,  
0.3342

25.8906, 0.3271,  
0.1575

98.0301, 0.3099,  
0.3336

# Harmonies

## Analogous

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



69.3711, 0.2845, 0.2772



69.3711, 0.3154, 0.2876



69.3711, 0.3470, 0.3076

# Triad

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



69.3711, 0.3154, 0.2876



69.3711, 0.3647, 0.3790



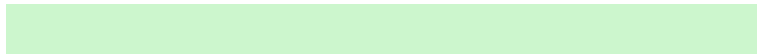
69.3711, 0.2587, 0.3204

# Complementary

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



69.3711, 0.3154, 0.2876



83.1537, 0.3100, 0.3742

# 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.



69.3711, 0.2783, 0.3511



69.3711, 0.3154, 0.2876



69.3711, 0.3393, 0.3861

# Square

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



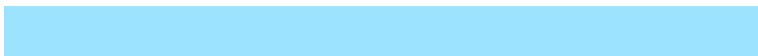
69.3711, 0.3154, 0.2876



69.3711, 0.3762, 0.3592



69.3711, 0.3075, 0.3760



69.3711, 0.2530, 0.2943



# Rectangle

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



69.3711, 0.3154, 0.2876



69.3711, 0.3637, 0.3244



69.3711, 0.3075, 0.3760



69.3711, 0.2638, 0.3306

# Sweetspot

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



69.3741, 0.3154, 0.2876



92.1136, 0.3135, 0.3171



62.7819, 0.2852, 0.2827



19.4880, 0.3136, 0.3154



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.



69.3741, 0.3154, 0.2876



71.5878, 0.3159, 0.2803



68.1802, 0.3303, 0.3081



16.7611, 0.3142, 0.3062



13.8236, 0.3269, 0.1575



1.2171, 0.3261, 0.1570



# Inverse Universe

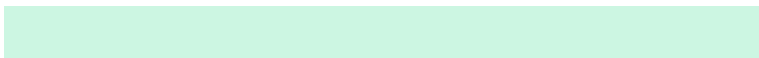
The Inverse Universe completely reimagines the original color for something new.



69.3741, 0.3154, 0.2876



71.5878, 0.3159, 0.2803



84.2200, 0.2981, 0.3509



16.7611, 0.3142, 0.3062



13.8236, 0.3269, 0.1575

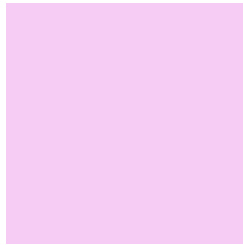


1.2171, 0.3261, 0.1570



# Previews

## White Background



This preview shows how the Yxy color 69.3711, 0.3154, 0.2876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

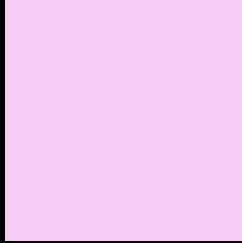
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3711, 0.3154, 0.2876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

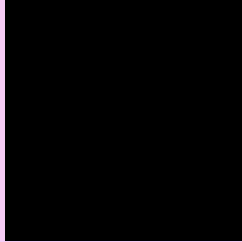
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.3711, 0.3154, 0.2876**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3711, 0.3154, 0.2876.



This preview shows how white text looks on a background with the Yxy color 69.3711, 0.3154, 0.2876.

# 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

69.3711, 0.3154, 0.2876

### Protanopia

69.3308, 0.2856, 0.2893

### Deuteranopia

69.2889, 0.3014, 0.2942



## Tritanopia

69.5483, 0.3278, 0.3124

# Trichromacy



## Original Color

69.3711, 0.3154, 0.2876

## Protanomaly

69.1161, 0.2961, 0.2890

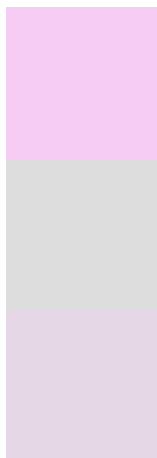
## Deuteranomaly

68.9670, 0.3065, 0.2916

## Tritanomaly

69.6849, 0.3229, 0.3033

# Monochromacy



## Original Color

69.3711, 0.3154, 0.2876

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.1370, 0.3135, 0.3131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3711, 0.3154, 0.2876 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(246, 204, 245)` looks like.

```
.text, #text, p{  
    color:rgb(246, 204, 245)  
}
```

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(246, 204, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 204, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3711, 0.3154, 0.2876 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(246, 204, 245) }
```

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

```
.border{ border-color:rgb(246, 204, 245) }
```

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

Here you see how a box with a 4 pixel rgb(246, 204, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 204, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 204, 245);  
box-shadow:4px 4px 4px 4px rgb(246, 204,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3711, 0.3154, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 204, 245) }
```

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

```
.background{ background-color: rgb(246,  
204, 245) }
```

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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