

# Converting Colors

$Y_{xy}(68.9689, 0.3082, 0.2761)$

Have a look what the booklet for  
Yxy(68.9689, 0.3082, 0.2761)  
contains.

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# Color

**Yxy(68.8735, 0.3079, 0.2760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5CAFF
RGB	245, 202, 255
RGB Percent	96%, 79%, 100%
CMY	0.0391, 0.2079, 0.0001
CMYK	0.04, 0.21, 0.00, 0.00
HSL	289°, 100%, 90%
HSV	289°, 21%, 100%
XYZ	76.8339, 68.8735, 103.8343
YIQ	220.8990, 8.6150, 25.5990

# Conversions

## Conversions Part 2

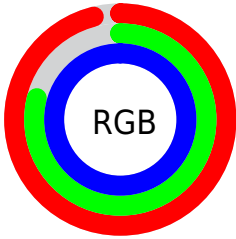
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 202, 255
Decimal	16108287
CIE <sub>Lab</sub>	86.44, 24.22, -20.24
CIE <sub>LCh</sub>	86, 31.558, 320.115
Yxy	68.8735, 0.3079, 0.2760
Android (android.graphics.Color)	4294298367 (0xFFFF5CAFF)
YUV	220.8990, 16.8118, 21.1366
Hunter-Lab	82.9901, 20.0263, -16.0886

# Details

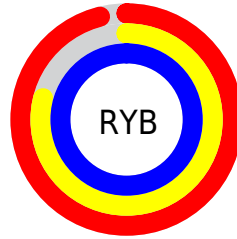
The Yxy color  $68.8735, 0.3079, 0.2760$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $89.7585, 0.3162, 0.3858$ , and the grayscale version is  $72.1108, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.9484, 0.3061, 0.2650$  is the 20% darker color. If you saturate the color by 10%, you get  $57.0343, 0.3048, 0.2494$ , and if you desaturate by 10%, it is  $82.7176, 0.3105, 0.3021$ .

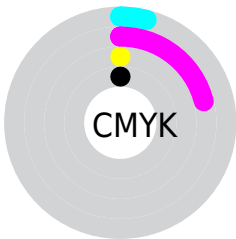
# Distribution



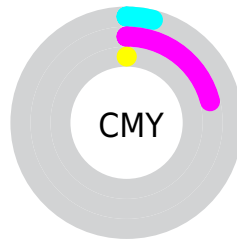
- Red (96%)
- Green (79%)
- Blue (100%)



- Red (96%)
- Yellow (79%)
- Blue (100%)



- Cyan (4%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (21%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8735, 0.3079, 0.2760 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 68.8735, 0.3079, 0.2760 by changing the saturation by 10% instead.



 68.8735, 0.3079,  
0.2760

 68.8735, 0.3079,  
0.2760

456.5847, 0.3105,  
0.2997

 50.6087, 0.3072,  
0.2708


117.6009, 0.3089,  
0.2841

 35.8973, 0.3063,  
0.2644


148.8322, 0.3093,  
0.2872

 24.3549, 0.3051,  
0.2566

185.1546, 0.3096,  
0.2900

 15.5971, 0.3034,  
0.2465

226.9523, 0.3098,  
0.2924

 9.2395, 0.3010,  
0.2333

274.6098, 0.3100,  
0.2946

 4.8977, 0.2971,  
0.2153


328.5114, 0.3102,


 2.1874, 0.2904,


0.2965

0.1892

389.0416, 0.3104,  
0.2982


 0.7131, 0.2777,  
0.1472


 0.0000, 0.1802,  
0.0000


 68.8735, 0.3079,  
0.2760


 68.8735, 0.3079,  
0.2760

 57.0343, 0.3048,  
0.2494


 82.7176, 0.3105,  
0.3021

 47.0940, 0.3012,  
0.2232

 98.6482, 0.3126,  
0.3271

 38.9501, 0.2970,  
0.1984

 99.9987, 0.3127,  
0.3290

 32.4870, 0.2924,  
0.1761

■ 27.5753, 0.2876,  
0.1574

■ 24.0666, 0.2825,  
0.1429

■ 21.7831, 0.2775,  
0.1332

■ 20.5053, 0.2729,  
0.1277

# Harmonies

## Analogous

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



68.8735, 0.2722, 0.2662



68.8735, 0.3079, 0.2760



68.8735, 0.3472, 0.2978

# Triad

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



68.8735, 0.3079, 0.2760



68.8735, 0.3799, 0.3854



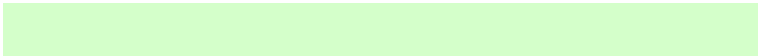
68.8735, 0.2510, 0.3253

# Complementary

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



68.8735, 0.3079, 0.2760



89.7585, 0.3162, 0.3858

# 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.



68.8735, 0.2771, 0.3630



68.8735, 0.3079, 0.2760



68.8735, 0.3515, 0.3985

# Square

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



68.8735, 0.3079, 0.2760



68.8735, 0.3901, 0.3588



68.8735, 0.3137, 0.3909



68.8735, 0.2410, 0.2918



# Rectangle

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



68.8735, 0.3079, 0.2760



68.8735, 0.3694, 0.3170



68.8735, 0.3137, 0.3909



68.8735, 0.2581, 0.3380

# Sweetspot

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



68.8765, 0.3079, 0.2760



90.0834, 0.3115, 0.3142



67.1573, 0.2785, 0.2830



19.0605, 0.3114, 0.3126



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.



68.8765, 0.3079, 0.2760



63.6527, 0.3067, 0.2648



69.7313, 0.3265, 0.2921



18.1180, 0.3108, 0.3054



10.7780, 0.2737, 0.1282



1.0918, 0.2794, 0.1313



# Inverse Universe

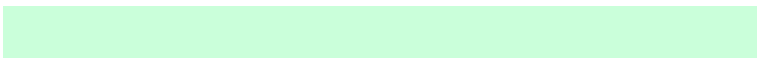
The Inverse Universe completely reimagines the original color for something new.



68.2444, 0.3469, 0.3189



62.9525, 0.3559, 0.3168



89.1192, 0.3013, 0.3690



18.0427, 0.3265, 0.3246



11.2354, 0.6112, 0.3140



1.1081, 0.5820, 0.2980



# Previews

## White Background



This preview shows how the Yxy color 68.8735, 0.3079, 0.2760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

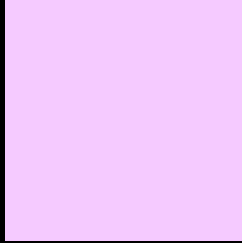
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.8735, 0.3079, 0.2760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

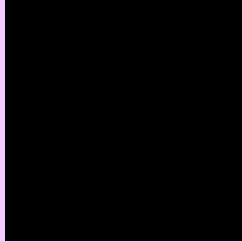
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

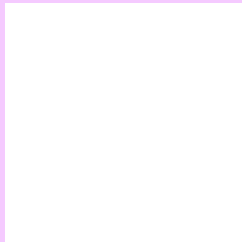
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.8735, 0.3079, 0.2760**

## Background



This preview shows how black text looks on a background with the Yxy color 68.8735, 0.3079, 0.2760.



This preview shows how white text looks on a background with the Yxy color 68.8735, 0.3079, 0.2760.

# 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

68.8735, 0.3079, 0.2760

### Protanopia

69.2308, 0.2825, 0.2861

### Deuteranopia

68.8960, 0.2916, 0.2848



## Tritanopia

69.0188, 0.3255, 0.3123

# Trichromacy



## Original Color

68.8735, 0.3079, 0.2760

## Protanomaly

68.6853, 0.2910, 0.2818

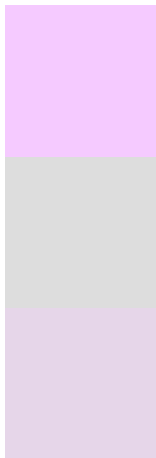
## Deuteranomaly

68.9255, 0.2971, 0.2814

## Tritanomaly

69.0180, 0.3193, 0.2991

# Monochromacy



## Original Color

68.8735, 0.3079, 0.2760

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

70.7993, 0.3115, 0.3089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.8735, 0.3079, 0.2760 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(245, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 202, 255)  
}
```

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(245, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 202, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8735, 0.3079, 0.2760 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(245, 202, 255) }
```

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

```
.border{ border-color:rgb(245, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 202,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8735, 0.3079, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 202, 255) }
```

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

```
.background{ background-color: rgb(245,  
202, 255) }
```

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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