

# Converting Colors

Yxy(68.0126, 0.3106, 0.2949)

Have a look what the booklet for  
Yxy(68.0126, 0.3106, 0.2949)  
contains.

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# Color

**Yxy(67.8670, 0.3106, 0.2945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EACEEF
RGB	234, 206, 239
RGB Percent	92%, 81%, 94%
CMY	0.0825, 0.1921, 0.0627
CMYK	0.02, 0.14, 0.00, 0.06
HSL	291°, 51%, 87%
HSV	291°, 14%, 94%
XYZ	71.5772, 67.8670, 91.0040
YIQ	218.1340, 6.0950, 16.1990

# Conversions

## Conversions Part 2

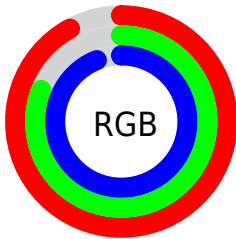
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 206, 239
Decimal	15388399
CIE <sub>Lab</sub>	85.94, 15.50, -12.63
CIE <sub>LCh</sub>	86, 19.999, 320.823
Yxy	67.8670, 0.3106, 0.2945
Android (android.graphics.Color)	4293578479 (0xFFEACEEF)
YUV	218.1340, 10.2869, 13.9145
Hunter-Lab	82.3814, 10.9225, -7.8287

# Details

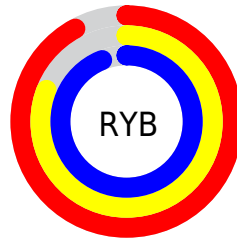
The Yxy color  $67.8670, 0.3106, 0.2945$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $80.0613, 0.3143, 0.3653$ , and the grayscale version is  $70.1330, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.3403, 0.3098, 0.2871$  is the 20% darker color. If you saturate the color by 10%, you get  $56.6094, 0.3086, 0.2685$ , and if you desaturate by 10%, it is  $80.8932, 0.3122, 0.3197$ .

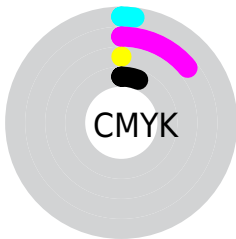
# Distribution



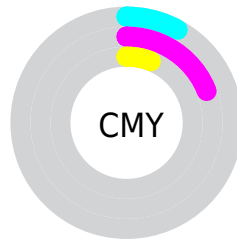
- Red (92%)
- Green (81%)
- Blue (94%)



- Red (92%)
- Yellow (81%)
- Blue (94%)



- Cyan (2%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)




- Cyan (8%)
- Magenta (19%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8670, 0.3106, 0.2945 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 67.8670, 0.3106, 0.2945 by changing the saturation by 10% instead.




 67.8670, 0.3106,  
0.2945

 67.8670, 0.3106,  
0.2945

453.0246, 0.3118,  
0.3102

 49.7895, 0.3103,  
0.2910


116.1619, 0.3110,  
0.2999

 35.2462, 0.3099,  
0.2866


147.1480, 0.3112,  
0.3020

 23.8526, 0.3093,  
0.2811


183.2059, 0.3113,  
0.3039

 15.2243, 0.3086,  
0.2741

224.7199, 0.3114,  
0.3055

 8.9770, 0.3074,  
0.2646

272.0744, 0.3115,  
0.3069

 4.7262, 0.3055,  
0.2512

325.6537, 0.3116,

 2.0875, 0.3022,

0.3081

0.2308

385.8423, 0.3117,  
0.3092

0.6576, 0.2965,  
0.1922

0.0000, 0.0000,  
0.0000

67.8670, 0.3106,  
0.2945

67.8670, 0.3106,  
0.2945

56.6094, 0.3086,  
0.2685

80.8932, 0.3122,  
0.3197

47.0328, 0.3061,  
0.2423

95.7532, 0.3134,  
0.3436

39.0553, 0.3033,  
0.2170

97.1560, 0.3157,  
0.3447

32.5845, 0.3000,  
0.1935

97.8205, 0.3180,  
0.3446

■ 27.5187, 0.2963,  
0.1729

■ 98.4981, 0.3203,  
0.3445

■ 23.7433, 0.2924,  
0.1560

■ 99.0133, 0.3220,  
0.3444

■ 21.1259, 0.2884,  
0.1437

■ 19.5050, 0.2844,  
0.1358

■ 18.8498, 0.2819,  
0.1326

# Harmonies

## Analogous

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



67.8670, 0.2873, 0.2880



67.8670, 0.3106, 0.2945



67.8670, 0.3354, 0.3093

# Triad

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



67.8670, 0.3106, 0.2945



67.8670, 0.3554, 0.3659



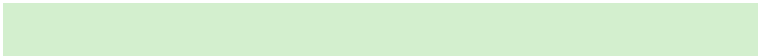
67.8670, 0.2726, 0.3267

# Complementary

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



67.8670, 0.3106, 0.2945



80.0613, 0.3143, 0.3653

# 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.



67.8670, 0.2897, 0.3498



67.8670, 0.3106, 0.2945



67.8670, 0.3374, 0.3728

# Square

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



67.8670, 0.3106, 0.2945



67.8670, 0.3618, 0.3496



67.8670, 0.3133, 0.3671



67.8670, 0.2660, 0.3054



# Rectangle

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



67.8670, 0.3106, 0.2945



67.8670, 0.3491, 0.3221



67.8670, 0.3133, 0.3671



67.8670, 0.2772, 0.3346

# Sweetspot

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



67.8699, 0.3106, 0.2945



93.3689, 0.3122, 0.3192



66.2023, 0.2907, 0.2986



19.7261, 0.3121, 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.



67.8699, 0.3106, 0.2945



74.1551, 0.3100, 0.2861



68.1065, 0.3221, 0.3060



15.9017, 0.3113, 0.3056



10.4614, 0.2825, 0.1330



0.9031, 0.2879, 0.1359



# Inverse Universe

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



67.2106, 0.3344, 0.3237



73.2491, 0.3406, 0.3224



79.8800, 0.3044, 0.3532



15.7983, 0.3269, 0.3254



10.2254, 0.6186, 0.3182

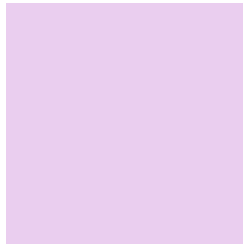


0.8625, 0.5865, 0.3005



# Previews

## White Background



This preview shows how the Yxy color 67.8670, 0.3106, 0.2945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

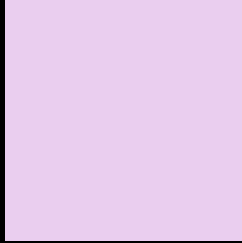
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.8670, 0.3106, 0.2945 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 67.8670, 0.3106, 0.2945**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.8670, 0.3106, 0.2945.



This preview shows how white text looks on a background with the Yxy color 67.8670, 0.3106, 0.2945.

# 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

67.8670, 0.3106, 0.2945

### Protanopia

67.8218, 0.2904, 0.2953

### Deuteranopia

67.7815, 0.3047, 0.2981



## Tritanopia

67.7038, 0.3188, 0.3109

# Trichromacy



## Original Color

67.8670, 0.3106, 0.2945

## Protanomaly

67.5641, 0.2978, 0.2947

## Deuteranomaly

67.7788, 0.3069, 0.2972

## Tritanomaly

67.6625, 0.3161, 0.3047

# Monochromacy



## Original Color

67.8670, 0.3106, 0.2945

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.4314, 0.3119, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8670, 0.3106, 0.2945 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(234, 206, 239)` looks like.

```
.text, #text, p{  
  color:rgb(234, 206, 239)  
}
```

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(234, 206, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 206, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8670, 0.3106, 0.2945 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(234, 206, 239) }
```

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

```
.border{ border-color:rgb(234, 206, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 206, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 206, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 206, 239);  
box-shadow:4px 4px 4px 4px rgb(234, 206,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8670, 0.3106, 0.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 206, 239) }
```

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

```
.background{ background-color: rgb(234,  
206, 239) }
```

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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