

# Converting Colors

$Y_{xy}(70.4125, 0.3065, 0.3016)$

Have a look what the booklet for  
Yxy(70.4125, 0.3065, 0.3016)  
contains.

<b>Yxy(70.4785, 0.3068, 0.3016)</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(70.4785, 0.3068, 0.3016)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5D5EF
RGB	229, 213, 239
RGB Percent	90%, 84%, 94%
CMY	0.1019, 0.1647, 0.0626
CMYK	0.04, 0.11, 0.00, 0.06
HSL	277°, 45%, 89%
HSV	277°, 11%, 94%
XYZ	71.6936, 70.4785, 91.5099
YIQ	220.7480, 1.1900, 11.4780

# Conversions

## Conversions Part 2

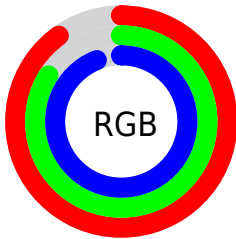
Format	Color
R <sub>Y</sub> B	229, 213, 239
Decimal	15062511
CIE Lab	87.23, 10.18, -10.76
CIE LCh	87, 14.813, 313.436
Yxy	70.4785, 0.3068, 0.3016
Android (android.graphics.Color)	4293252591 (0xFFE5D5EF)
YUV	220.7480, 8.9982, 7.2370
Hunter-Lab	83.9515, 5.5220, -5.8620

# Details

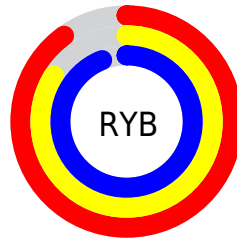
The Yxy color **70.4785, 0.3068, 0.3016** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.2461, 0.3181, 0.3568**, and the grayscale version is **72.0593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7569, 0.3049, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **57.8566, 0.3003, 0.2747**, and if you desaturate by 10%, it is **84.9588, 0.3123, 0.3268**.

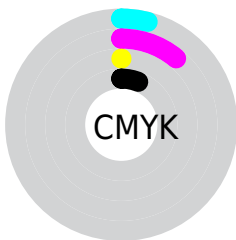
# Distribution



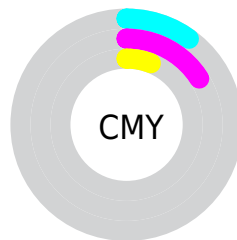
- Red (90%)
- Green (84%)
- Blue (94%)



- Red (90%)
- Yellow (84%)
- Blue (94%)



- Cyan (4%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)




- Cyan (10%)
- Magenta (16%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4785, 0.3068, 0.3016 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 70.4785, 0.3068, 0.3016 by changing the saturation by 10% instead.



 70.4785, 0.3068,  
0.3016

 70.4785, 0.3068,  
0.3016


462.2283, 0.3096,  
0.3141

 51.9167, 0.3061,  
0.2988

119.8909, 0.3078,  
0.3059

 36.9387, 0.3053,  
0.2953


151.5103, 0.3082,  
0.3076

 25.1600, 0.3042,  
0.2910


188.2510, 0.3085,  
0.3091

 16.1963, 0.3027,  
0.2853

230.4974, 0.3088,  
0.3103

 9.6632, 0.3007,  
0.2777

278.6340, 0.3091,  
0.3114

 5.1762, 0.2976,  
0.2669

333.0451, 0.3093,

 2.3510, 0.2926,

0.3124

0.2505

394.1150, 0.3095,  
0.3133

0.8005, 0.2830,  
0.2220

0.0000, 0.0000,  
0.0000

70.4785, 0.3068,  
0.3016

70.4785, 0.3068,  
0.3016

57.8566, 0.3003,  
0.2747

84.9588, 0.3123,  
0.3268

47.0056, 0.2928,  
0.2466

97.6027, 0.3172,  
0.3446

37.8443, 0.2843,  
0.2180

99.0139, 0.3220,  
0.3444

30.2815, 0.2749,  
0.1901

■ 24.2173, 0.2647,  
0.1641

■ 19.5400, 0.2542,  
0.1413

■ 16.1217, 0.2438,  
0.1229

■ 13.8097, 0.2337,  
0.1095

■ 12.4412, 0.2252,  
0.1014

# Harmonies

## Analogous

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



70.4785, 0.2905, 0.2987



70.4785, 0.3068, 0.3016



70.4785, 0.3251, 0.3113

# Triad

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



70.4785, 0.3068, 0.3016



70.4785, 0.3460, 0.3538



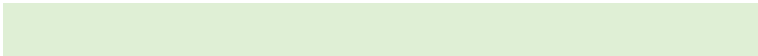
70.4785, 0.2857, 0.3317

# Complementary

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



70.4785, 0.3068, 0.3016



82.2461, 0.3181, 0.3568

# 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.



70.4785, 0.2999, 0.3478



70.4785, 0.3068, 0.3016



70.4785, 0.3348, 0.3605

# Square

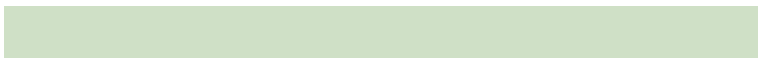
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4785, 0.3068, 0.3016



70.4785, 0.3481, 0.3409



70.4785, 0.3178, 0.3584



70.4785, 0.2786, 0.3155



# Rectangle

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



70.4785, 0.3068, 0.3016



70.4785, 0.3359, 0.3204



70.4785, 0.3178, 0.3584



70.4785, 0.2897, 0.3374

# Sweetspot

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



70.4815, 0.3068, 0.3016



94.6617, 0.3112, 0.3217



73.3752, 0.2957, 0.3121



19.9634, 0.3108, 0.3197



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.



70.4815, 0.3068, 0.3016



78.3032, 0.3055, 0.2959



72.0247, 0.3157, 0.3048



15.7101, 0.3076, 0.3053



6.9511, 0.2266, 0.1022



0.6353, 0.2389, 0.1089



# Inverse Universe

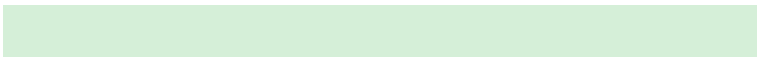
The Inverse Universe completely reimagines the original color for something new.



71.2723, 0.3250, 0.3185



79.3984, 0.3278, 0.3164



80.8346, 0.3098, 0.3544



15.8595, 0.3233, 0.3199



10.5915, 0.5439, 0.2770

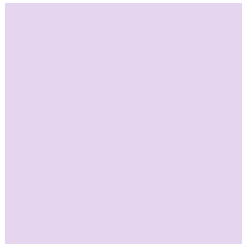


0.9000, 0.5084, 0.2574



# Previews

## White Background



This preview shows how the Yxy color 70.4785, 0.3068, 0.3016 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

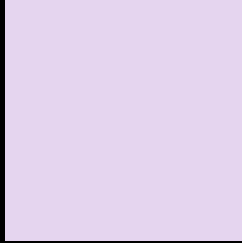
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4785, 0.3068, 0.3016 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

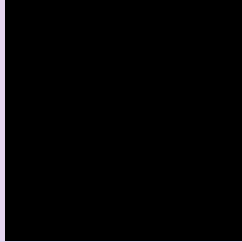
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

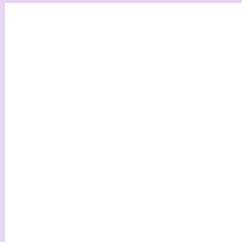
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4785, 0.3068, 0.3016**

## Background



This preview shows how black text looks on a background with the Yxy color 70.4785, 0.3068, 0.3016.



This preview shows how white text looks on a background with the Yxy color 70.4785, 0.3068, 0.3016.

# 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

70.4785, 0.3068, 0.3016

### Protanopia

70.6354, 0.2958, 0.3021

### Deuteranopia

70.6435, 0.3075, 0.3017



## Tritanopia

70.3566, 0.3114, 0.3109

# Trichromacy



## Original Color

70.4785, 0.3068, 0.3016

## Protanomaly

70.8348, 0.2999, 0.3024

## Deuteranomaly

70.6435, 0.3075, 0.3017

## Tritanomaly

70.5276, 0.3094, 0.3078

# Monochromacy



## Original Color

70.4785, 0.3068, 0.3016

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.5915, 0.3104, 0.3183

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4785, 0.3068, 0.3016 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(229, 213, 239)` looks like.

```
.text, #text, p{  
    color:rgb(229, 213, 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(229, 213, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 213, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4785, 0.3068, 0.3016 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(229, 213, 239) }
```

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

```
.border{ border-color:rgb(229, 213, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 213, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 213, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 213, 239);  
box-shadow:4px 4px 4px 4px rgb(229, 213,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4785, 0.3068, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 213, 239) }
```

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

```
.background{ background-color: rgb(229,  
213, 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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