

# Converting Colors

$Y_{xy}(73.8229, 0.3056, 0.3089)$

Have a look what the booklet for  
Yxy(73.8229, 0.3056, 0.3089)  
contains.

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# Color

**Yxy(73.9124, 0.3059, 0.3091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4DCEF
RGB	228, 220, 239
RGB Percent	89%, 86%, 94%
CMY	0.1062, 0.1371, 0.0628
CMYK	0.05, 0.08, 0.00, 0.06
HSL	265°, 37%, 90%
HSV	265°, 8%, 94%
XYZ	73.1472, 73.9124, 92.0617
YIQ	224.5580, -1.3310, 7.6050

# Conversions

## Conversions Part 2

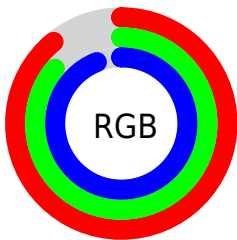
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	228, 220, 239
Decimal	14998767
CIE <sub>Lab</sub>	88.88, 6.13, -8.29
CIE <sub>LCh</sub>	89, 10.309, 306.471
Y <sub>xy</sub>	73.9124, 0.3059, 0.3091
Android (android.graphics.Color)	4293188847 (0xFFE4DCEF)
YUV	224.5580, 7.1199, 3.0186
Hunter-Lab	85.9723, 1.4203, -3.3089

# Details

The Yxy color **73.9124, 0.3059, 0.3091** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.9002, 0.3191, 0.3488**, and the grayscale version is **74.9045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.2134, 0.3047, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **60.0625, 0.2960, 0.2819**, and if you desaturate by 10%, it is **89.7461, 0.3144, 0.3339**.

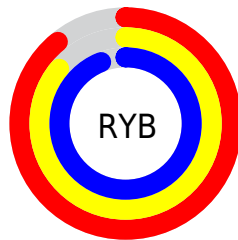
# Distribution



Red (89%)

Green (86%)

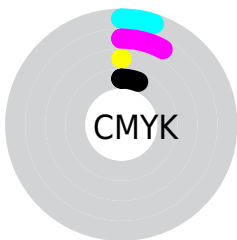
Blue (94%)



Red (89%)

Yellow (86%)

Blue (94%)

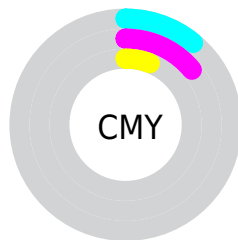


Cyan (5%)

Magenta (8%)

Yellow (0%)

Black (6%)



Cyan (11%)

Magenta (14%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9124, 0.3059, 0.3091 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 73.9124, 0.3059, 0.3091 by changing the saturation by 10% instead.




 73.9124, 0.3059,  
0.3091

 73.9124, 0.3059,  
0.3091


474.1710, 0.3091,  
0.3182

 54.7223, 0.3052,  
0.3071

124.7716, 0.3070,  
0.3122

 39.1795, 0.3043,  
0.3045


157.2096, 0.3074,  
0.3134

 26.8994, 0.3031,  
0.3014


194.8323, 0.3078,  
0.3145

 17.4977, 0.3016,  
0.2973

238.0241, 0.3081,  
0.3154

 10.5899, 0.2995,  
0.2918

287.1696, 0.3084,  
0.3162

 5.7918, 0.2964,  
0.2840

342.6529, 0.3087,

 2.7189, 0.2915,

0.3170

0.2721

404.8586, 0.3089,  
0.3176

■ 0.9868, 0.2826,  
0.2517

■ 0.0000, 0.0668,  
0.0000

■ 73.9124, 0.3059,  
0.3091

■ 73.9124, 0.3059,  
0.3091

■ 60.0625, 0.2960,  
0.2819

■ 89.7461, 0.3144,  
0.3339

■ 48.1069, 0.2847,  
0.2527

■ 99.0112, 0.3220,  
0.3444

■ 37.9631, 0.2719,  
0.2220

■ 29.5390, 0.2578,  
0.1910

■ 22.7337, 0.2429,  
0.1609

■ 17.4358, 0.2277,  
0.1335

■ 13.5190, 0.2129,  
0.1104

■ 10.8352, 0.1994,  
0.0929

■ 9.1830, 0.1878,  
0.0815

# Harmonies

## Analogous

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



73.9124, 0.2954, 0.3084



73.9124, 0.3059, 0.3091



73.9124, 0.3184, 0.3148

# Triad

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



73.9124, 0.3059, 0.3091



73.9124, 0.3364, 0.3444



73.9124, 0.2960, 0.3336

# Complementary

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



73.9124, 0.3059, 0.3091



83.9002, 0.3191, 0.3488

# Split Complementary

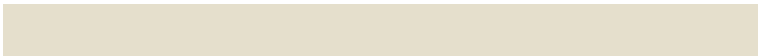
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9124, 0.3067, 0.3438



73.9124, 0.3059, 0.3091



73.9124, 0.3301, 0.3500

# Square

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



73.9124, 0.3059, 0.3091



73.9124, 0.3362, 0.3349



73.9124, 0.3192, 0.3499



73.9124, 0.2898, 0.3223



# Rectangle

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



73.9124, 0.3059, 0.3091



73.9124, 0.3262, 0.3208



73.9124, 0.3192, 0.3499



73.9124, 0.2992, 0.3373

# Sweetspot

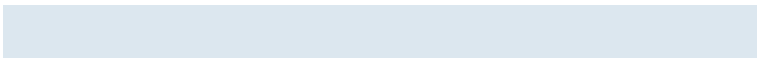
The Sweet Spot groups the original color and five complimentary colors.



73.9156, 0.3059, 0.3091



96.2287, 0.3111, 0.3241



78.8310, 0.3005, 0.3210



20.6364, 0.3112, 0.3244



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.



73.9156, 0.3059, 0.3091



82.0805, 0.3039, 0.3036



75.4550, 0.3123, 0.3095



15.5500, 0.3045, 0.3050



4.9969, 0.1872, 0.0805



0.4728, 0.2018, 0.0885



# Inverse Universe

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



75.3271, 0.3189, 0.3176



84.1310, 0.3207, 0.3145



82.4128, 0.3130, 0.3491



15.9137, 0.3202, 0.3153



11.2067, 0.4606, 0.2311

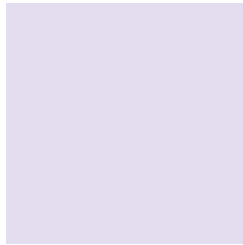


0.9521, 0.4371, 0.2182



# Previews

## White Background



This preview shows how the Yxy color 73.9124, 0.3059, 0.3091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

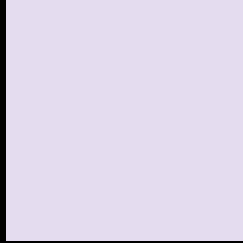
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9124, 0.3059, 0.3091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

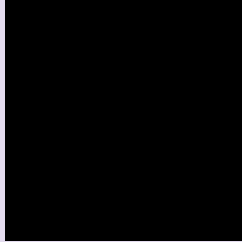
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

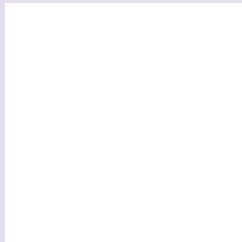
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.9124, 0.3059, 0.3091**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9124, 0.3059, 0.3091.



This preview shows how white text looks on a background with the Yxy color 73.9124, 0.3059, 0.3091.

# 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

73.9124, 0.3059, 0.3091

### Protanopia

74.0634, 0.3012, 0.3099

### Deuteranopia

73.9215, 0.3117, 0.3053



## Tritanopia

73.8534, 0.3066, 0.3101

# Trichromacy



## Original Color

73.9124, 0.3059, 0.3091

## Protanomaly

73.8515, 0.3025, 0.3089

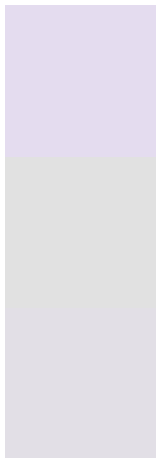
## Deuteranomaly

73.9265, 0.3095, 0.3062

## Tritanomaly

73.8534, 0.3066, 0.3101

# Monochromacy



## Original Color

73.9124, 0.3059, 0.3091

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.6573, 0.3103, 0.3216

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9124, 0.3059, 0.3091 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(228, 220, 239)` looks like.

```
.text, #text, p{  
    color:rgb(228, 220, 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(228, 220, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 220, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9124, 0.3059, 0.3091 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(228, 220, 239) }
```

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

```
.border{ border-color:rgb(228, 220, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 220, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 220, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 220, 239);  
box-shadow:4px 4px 4px 4px rgb(228, 220,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9124, 0.3059, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 220, 239) }
```

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

```
.background{ background-color: rgb(228,  
220, 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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