

# Converting Colors

$Yxy(39.7347, 0.3239, 0.2935)$

Have a look what the booklet for  
Yxy(39.7347, 0.3239, 0.2935)  
contains.

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# Color

**Yxy(39.7347, 0.3239, 0.2935)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C49EBA
RGB	196, 158, 186
RGB Percent	77%, 62%, 73%
CMY	0.2314, 0.3803, 0.2707
CMYK	0.00, 0.19, 0.05, 0.23
HSL	316°, 24%, 69%
HSV	316°, 19%, 77%
XYZ	43.8503, 39.7347, 51.7973
YIQ	172.5540, 13.6600, 16.7640

# Conversions

## Conversions Part 2

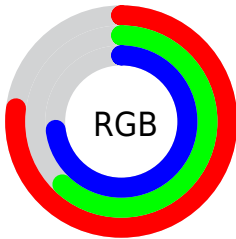
Format	Color
R <sub>Y</sub> B	196, 158, 186
Decimal	12885690
CIE Lab	69.28, 18.76, -9.09
CIE LCh	69, 20.851, 334.146
Yxy	39.7347, 0.3239, 0.2935
Android (android.graphics.Color)	4291075770 (0xFFC49EBA)
YUV	172.5540, 6.6289, 20.5621
Hunter-Lab	63.0355, 13.8606, -4.5947

# Details

The Yxy color **39.7347, 0.3239, 0.2935** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.5741, 0.3031, 0.3673**, and the grayscale version is **41.5110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8820, 0.3220, 0.3002**, and **17.7523, 0.3270, 0.2825** is the 20% darker color. If you saturate the color by 10%, you get **33.3584, 0.3311, 0.2745**, and if you desaturate by 10%, it is **47.1887, 0.3177, 0.3122**.

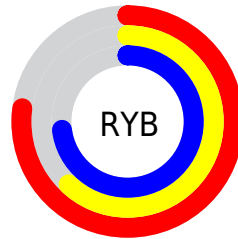
# Distribution



Red (77%)

Green (62%)

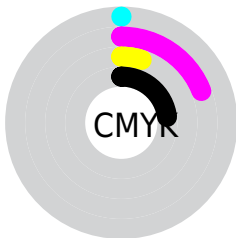
Blue (73%)



Red (77%)

Yellow (62%)

Blue (73%)

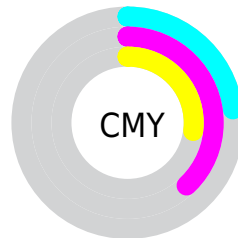


Cyan (0%)

Magenta (19%)

Yellow (5%)

Black (23%)



Cyan (23%)

Magenta (38%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7347, 0.3239, 0.2935 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 39.7347, 0.3239, 0.2935 by changing the saturation by 10% instead.





 39.7347, 0.3239,  
0.2935


 39.7347, 0.3239,  
0.2935

345.0041, 0.3184,  
0.3112

 27.3318, 0.3252,  
0.2891

 74.7594, 0.3219,  
0.2999

 17.8225, 0.3270,  
0.2834


 98.1499, 0.3212,  
0.3023

 10.8227, 0.3292,  
0.2759


125.9717, 0.3205,  
0.3044

 5.9477, 0.3323,  
0.2655

158.6092, 0.3200,  
0.3061

 2.8133, 0.3368,  
0.2499

196.4468, 0.3195,  
0.3077

 1.0351, 0.3438,  
0.2246

239.8689, 0.3191,

 0.0000, 0.4105,

0.3090

0.0000


289.2598, 0.3187,  
0.3102

 0.0000, 0.0000,  
0.0000

 39.7347, 0.3239,  
0.2935

 39.7347, 0.3239,  
0.2935


 33.3584, 0.3311,  
0.2745


 47.1887, 0.3177,  
0.3122


 28.0041, 0.3392,  
0.2558


 55.7624, 0.3124,  
0.3301

 23.6189, 0.3484,  
0.2382

 65.5018, 0.3079,  
0.3470

 20.1431, 0.3583,  
0.2226

 76.4489, 0.3042,  
0.3628

 17.5105, 0.3689,  
0.2102

 87.9989, 0.3010,  
0.3763

■ 15.6455, 0.3797,  
0.2017

■ 88.2637, 0.2982,  
0.3705

■ 14.4593, 0.3905,  
0.1980

■ 88.5370, 0.2954,  
0.3647

■ 13.7935, 0.4009,  
0.1985

■ 88.8187, 0.2927,  
0.3589

■ 13.7571, 0.4016,  
0.1986

■ 89.1090, 0.2899,  
0.3531

# Harmonies

## Analogous

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



39.7347, 0.2931, 0.2807



39.7347, 0.3239, 0.2935



39.7347, 0.3529, 0.3148

# Triad

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



39.7347, 0.3239, 0.2935



39.7347, 0.3573, 0.3805



39.7347, 0.2577, 0.3132

# Complementary

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



39.7347, 0.3239, 0.2935



49.5741, 0.3031, 0.3673

# 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.



39.7347, 0.2733, 0.3424



39.7347, 0.3239, 0.2935



39.7347, 0.3303, 0.3830

# Square

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



39.7347, 0.3239, 0.2935



39.7347, 0.3725, 0.3642



39.7347, 0.2996, 0.3688



39.7347, 0.2561, 0.2905



# Rectangle

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



39.7347, 0.3239, 0.2935



39.7347, 0.3667, 0.3316



39.7347, 0.2996, 0.3688



39.7347, 0.2614, 0.3226

# Sweetspot

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



39.7365, 0.3239, 0.2935



90.3665, 0.3159, 0.3182



36.7138, 0.2891, 0.2776



19.1276, 0.3162, 0.3169



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.



39.7365, 0.3239, 0.2935



67.1613, 0.3266, 0.2859



39.0012, 0.3412, 0.3167



10.2007, 0.3177, 0.3122



8.8553, 0.4002, 0.1978



0.3935, 0.3788, 0.1861



# Inverse Universe

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



39.7365, 0.3239, 0.2935



67.1613, 0.3266, 0.2859



50.3122, 0.2904, 0.3417



10.2007, 0.3177, 0.3122



8.8553, 0.4002, 0.1978



0.3935, 0.3788, 0.1861



# Previews

## White Background



This preview shows how the Yxy color 39.7347, 0.3239, 0.2935 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

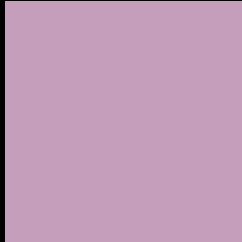
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.7347, 0.3239, 0.2935 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

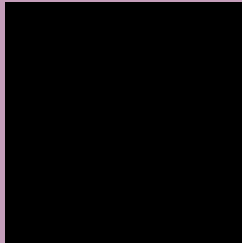
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.7347, 0.3239, 0.2935**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.7347, 0.3239, 0.2935.



This preview shows how white text looks on a background with the Yxy color 39.7347, 0.3239, 0.2935.

# 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

39.7347, 0.3239, 0.2935

### Protanopia

39.9180, 0.2914, 0.2964

### Deuteranopia

39.9968, 0.3085, 0.3024



## Tritanopia

39.6281, 0.3337, 0.3122

# Trichromacy



## Original Color

39.7347, 0.3239, 0.2935

## Protanomaly

39.6157, 0.3025, 0.2945

## Deuteranomaly

39.6577, 0.3141, 0.2989

## Tritanomaly

39.6127, 0.3302, 0.3046

# Monochromacy



## Original Color

39.7347, 0.3239, 0.2935

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.0434, 0.3161, 0.3157

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.7347, 0.3239, 0.2935 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(196, 158, 186)` looks like.

```
.text, #text, p{  
    color:rgb(196, 158, 186)  
}
```

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(196, 158, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 158, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 39.7347, 0.3239, 0.2935 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(196, 158, 186) }
```

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

```
.border{ border-color:rgb(196, 158, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 158, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 158, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 158, 186);  
box-shadow:4px 4px 4px 4px rgb(196, 158,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.7347, 0.3239, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 158, 186) }
```

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

```
.background{ background-color: rgb(196,  
158, 186) }
```

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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