

# Converting Colors

$Yxy(39.5082, 0.2942, 0.2677)$

Have a look what the booklet for  
Yxy(39.5082, 0.2942, 0.2677)  
contains.

<b>Yxy(39.4916, 0.2949, 0.2681)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(39.4916, 0.2949, 0.2681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B89FCF
RGB	184, 159, 207
RGB Percent	72%, 62%, 81%
CMY	0.2782, 0.3765, 0.1882
CMYK	0.11, 0.23, 0.00, 0.19
HSL	271°, 33%, 72%
HSV	271°, 23%, 81%
XYZ	43.4393, 39.4916, 64.3709
YIQ	171.9470, -0.5080, 20.2280

# Conversions

## Conversions Part 2

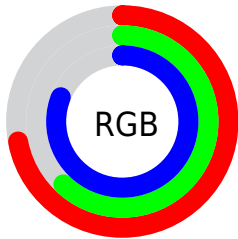
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 159, 207
Decimal	12099535
CIELab	69.11, 18.30, -21.12
CIELCh	69, 27.950, 310.910
Yxy	39.4916, 0.2949, 0.2681
Android (android.graphics.Color)	4290289615 (0xFFB89FCF)
YUV	171.9470, 17.2811, 10.5705
Hunter-Lab	62.8423, 13.4127, -16.7425

# Details

The Yxy color **39.4916, 0.2949, 0.2681** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.0700, 0.3273, 0.3903**, and the grayscale version is **41.1418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8384, 0.3041, 0.2877**, and **17.6406, 0.2890, 0.2503** is the 20% darker color. If you saturate the color by 10%, you get **31.7812, 0.2852, 0.2392**, and if you desaturate by 10%, it is **48.4830, 0.3034, 0.2956**.

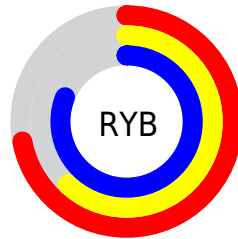
# Distribution



Red (72%)

Green (62%)

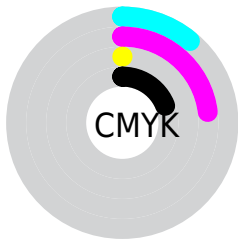
Blue (81%)



Red (72%)

Yellow (62%)

Blue (81%)

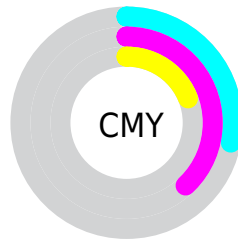


Cyan (11%)

Magenta (23%)

Yellow (0%)

Black (19%)



Cyan (28%)

Magenta (38%)


Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4916, 0.2949, 0.2681 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 39.4916, 0.2949, 0.2681 by changing the saturation by 10% instead.





 39.4916, 0.2949,  
0.2681


 39.4916, 0.2949,  
0.2681


343.9761, 0.3044,  
0.2981

 27.1424, 0.2924,  
0.2608


 74.3887, 0.2985,  
0.2789

 17.6802, 0.2890,  
0.2516


 97.7054, 0.2998,  
0.2829

 10.7206, 0.2844,  
0.2395


125.4467, 0.3009,  
0.2864

 5.8793, 0.2777,  
0.2230

157.9970, 0.3018,  
0.2894

 2.7718, 0.2671,  
0.1995

195.7407, 0.3026,  
0.2920

 1.0138, 0.2488,  
0.1638

239.0621, 0.3033,

 0.0000, 0.1981,

0.2943

0.0000

288.3458, 0.3039,  
0.2963

0.0000, 0.0000,  
0.0000

39.4916, 0.2949,  
0.2681

39.4916, 0.2949,  
0.2681

31.7812, 0.2852,  
0.2392

48.4830, 0.3034,  
0.2956

25.2856, 0.2743,  
0.2098

58.8072, 0.3106,  
0.3212

19.9404, 0.2624,  
0.1809

70.5194, 0.3168,  
0.3448

15.6728, 0.2499,  
0.1539

83.6700, 0.3219,  
0.3661

12.4014, 0.2371,  
0.1302

93.4365, 0.3271,  
0.3782

10.0327, 0.2247,  
0.1112

95.1532, 0.3335,  
0.3772

8.4543, 0.2132,  
0.0976

96.9648, 0.3400,  
0.3762

7.6997, 0.2060,  
0.0908

97.2855, 0.3412,  
0.3760

# Harmonies

## Analogous

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



39.4916, 0.2602, 0.2622



39.4916, 0.2949, 0.2681



39.4916, 0.3368, 0.2877

# Triad

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



39.4916, 0.2949, 0.2681



39.4916, 0.3900, 0.3811



39.4916, 0.2540, 0.3374

# Complementary

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



39.4916, 0.2949, 0.2681



57.0700, 0.3273, 0.3903

# 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.



39.4916, 0.2858, 0.3763



39.4916, 0.2949, 0.2681



39.4916, 0.3647, 0.4008

# Square

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



39.4916, 0.2949, 0.2681



39.4916, 0.3939, 0.3503



39.4916, 0.3263, 0.4003



39.4916, 0.2378, 0.2990



# Rectangle

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



39.4916, 0.2949, 0.2681



39.4916, 0.3630, 0.3064



39.4916, 0.3263, 0.4003



39.4916, 0.2631, 0.3511

# Sweetspot

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



39.4933, 0.2949, 0.2681



87.5534, 0.3080, 0.3115



45.4106, 0.2761, 0.2962



18.5214, 0.3075, 0.3100



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.



39.4933, 0.2949, 0.2681



56.6889, 0.2901, 0.2534



42.5232, 0.3161, 0.2727



11.7170, 0.3063, 0.3055



4.9073, 0.2074, 0.0916



0.3215, 0.2271, 0.1024



# Inverse Universe

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



41.4313, 0.3380, 0.3008



60.4222, 0.3453, 0.2942



54.5303, 0.3091, 0.3926



11.9010, 0.3217, 0.3179



8.9432, 0.5038, 0.2549

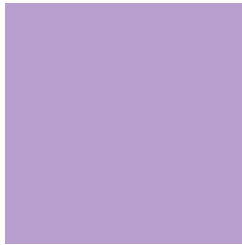


0.5160, 0.4615, 0.2316



# Previews

## White Background



This preview shows how the Yxy color 39.4916, 0.2949, 0.2681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

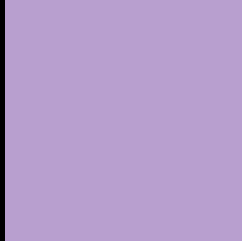
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.4916, 0.2949, 0.2681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

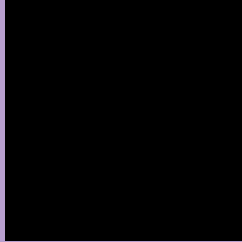
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.4916, 0.2949, 0.2681**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4916, 0.2949, 0.2681.



This preview shows how white text looks on a background with the Yxy color 39.4916, 0.2949, 0.2681.

# 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

39.4916, 0.2949, 0.2681

### Protanopia

39.7106, 0.2695, 0.2680

### Deuteranopia

39.5820, 0.2815, 0.2749



## Tritanopia

39.3089, 0.3154, 0.3115

# Trichromacy



## Original Color

39.4916, 0.2949, 0.2681

## Protanomaly

39.4696, 0.2777, 0.2675

## Deuteranomaly

39.5349, 0.2863, 0.2729

## Tritanomaly

39.2953, 0.3079, 0.2947

# Monochromacy



## Original Color

39.4916, 0.2949, 0.2681

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.3703, 0.3057, 0.3049

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4916, 0.2949, 0.2681 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(184, 159, 207)` looks like.

```
.text, #text, p{  
    color:rgb(184, 159, 207)  
}
```

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(184, 159, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 159, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4916, 0.2949, 0.2681 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(184, 159, 207) }
```

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

```
.border{ border-color:rgb(184, 159, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 159, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 159, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 159, 207);  
box-shadow:4px 4px 4px 4px rgb(184, 159,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4916, 0.2949, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 159, 207) }
```

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

```
.background{ background-color: rgb(184,  
159, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor