

# Converting Colors

$Yxy(39.3139, 0.2966, 0.2630)$

Have a look what the booklet for  
Yxy(39.3139, 0.2966, 0.2630)  
contains.

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# Color

**Yxy(39.4088, 0.2967, 0.2639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BC9DD1
RGB	188, 157, 209
RGB Percent	74%, 62%, 82%
CMY	0.2628, 0.3843, 0.1802
CMYK	0.10, 0.25, 0.00, 0.18
HSL	276°, 36%, 72%
HSV	276°, 25%, 82%
XYZ	44.3069, 39.4088, 65.6166
YIQ	172.1970, 1.7840, 22.7440

# Conversions

## Conversions Part 2

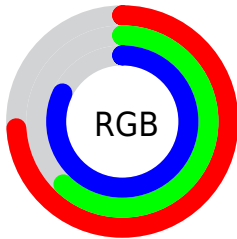
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 157, 209
Decimal	12361169
CIELab	69.05, 21.11, -22.30
CIELCh	69, 30.706, 313.425
Yxy	39.4088, 0.2967, 0.2639
Android (android.graphics.Color)	4290551249 (0xFFBC9DD1)
YUV	172.1970, 18.1439, 13.8592
Hunter-Lab	62.7764, 16.1246, -18.0290

# Details

The Yxy color  $39.4088, 0.2967, 0.2639$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $57.5239, 0.3253, 0.3959$ , and the grayscale version is  $41.2667, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.7194, 0.3076, 0.2861$ , and  $17.5046, 0.2914, 0.2463$  is the 20% darker color. If you saturate the color by 10%, you get  $31.8895, 0.2884, 0.2356$ , and if you desaturate by 10%, it is  $48.2044, 0.3039, 0.2913$ .

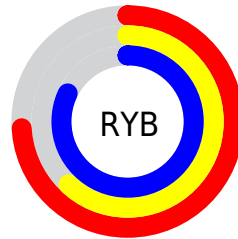
# Distribution



Red (74%)

Green (62%)

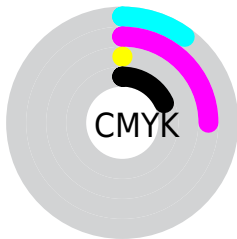
Blue (82%)



Red (74%)

Yellow (62%)

Blue (82%)

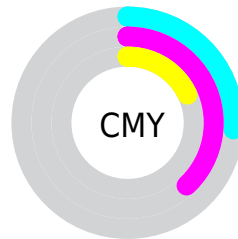


Cyan (10%)

Magenta (25%)

Yellow (0%)

Black (18%)



Cyan (26%)

Magenta (38%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4088, 0.2967, 0.2639 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 39.4088, 0.2967, 0.2639 by changing the saturation by 10% instead.





 39.4088, 0.2967,  
0.2639


 39.4088, 0.2967,  
0.2639


343.6254, 0.3054,  
0.2958

 27.0779, 0.2943,  
0.2562


 74.2624, 0.3000,  
0.2753

 17.6317, 0.2912,  
0.2464

 97.5539, 0.3012,  
0.2796

 10.6859, 0.2869,  
0.2337


125.2677, 0.3022,  
0.2833

 5.8561, 0.2805,  
0.2166

157.7883, 0.3030,  
0.2865

 2.7577, 0.2705,  
0.1923

195.4999, 0.3037,  
0.2893

 1.0066, 0.2529,  
0.1557

238.7870, 0.3044,


 0.0000, 0.2135,


0.2917


0.0000

288.0341, 0.3049,  
0.2939


 0.0000, 0.0000,  
0.0000

 39.4088, 0.2967,  
0.2639


 39.4088, 0.2967,  
0.2639


 31.8895, 0.2884,  
0.2356

 48.2044, 0.3039,  
0.2913

 25.5789, 0.2791,  
0.2071


 58.3294, 0.3101,  
0.3171


 20.4105, 0.2690,  
0.1796


 69.8403, 0.3152,  
0.3410


 16.3092, 0.2582,  
0.1544


 82.7884, 0.3196,  
0.3628

 13.1907, 0.2473,  
0.1328


 92.9915, 0.3238,  
0.3764


 10.9574, 0.2365,  
0.1158

 94.4264, 0.3292,  
0.3756

 9.4904, 0.2264,  
0.1040

 95.9300, 0.3348,  
0.3748

 8.9280, 0.2215,  
0.0994

 97.3853, 0.3399,  
0.3740

# Harmonies

## Analogous

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



39.4088, 0.2578, 0.2560



39.4088, 0.2967, 0.2639



39.4088, 0.3429, 0.2862

# Triad

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



39.4088, 0.2967, 0.2639



39.4088, 0.3960, 0.3882



39.4088, 0.2462, 0.3342

# Complementary

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



39.4088, 0.2967, 0.2639



57.5239, 0.3253, 0.3959

# 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.



39.4088, 0.2796, 0.3781



39.4088, 0.2967, 0.2639



39.4088, 0.3664, 0.4088

# Square

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



39.4088, 0.2967, 0.2639



39.4088, 0.4027, 0.3549



39.4088, 0.3235, 0.4066



39.4088, 0.2304, 0.2926



# Rectangle

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



39.4088, 0.2967, 0.2639



39.4088, 0.3712, 0.3070



39.4088, 0.3235, 0.4066



39.4088, 0.2556, 0.3495

# Sweetspot

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



39.4105, 0.2967, 0.2639



87.7918, 0.3088, 0.3116



43.8869, 0.2729, 0.2887



18.5767, 0.3084, 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.



39.4105, 0.2967, 0.2639



55.1176, 0.2923, 0.2485



42.0686, 0.3194, 0.2723



11.7607, 0.3074, 0.3056



5.5614, 0.2228, 0.1001



0.3566, 0.2406, 0.1099



# Inverse Universe

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



40.8914, 0.3440, 0.3032



57.9252, 0.3531, 0.2972



55.3726, 0.3066, 0.3932



11.8863, 0.3228, 0.3196



8.7759, 0.5344, 0.2717



0.5062, 0.4861, 0.2452



# Previews

## White Background



This preview shows how the Yxy color 39.4088, 0.2967, 0.2639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

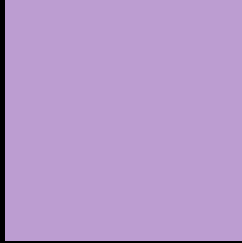
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.4088, 0.2967, 0.2639 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 39.4088, 0.2967, 0.2639**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4088, 0.2967, 0.2639.



This preview shows how white text looks on a background with the Yxy color 39.4088, 0.2967, 0.2639.

# 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

39.4088, 0.2967, 0.2639

### Protanopia

39.6632, 0.2660, 0.2642

### Deuteranopia

39.4146, 0.2791, 0.2734



## Tritanopia

39.3963, 0.3201, 0.3117

# Trichromacy



## Original Color

39.4088, 0.2967, 0.2639

## Protanomaly

39.3233, 0.2770, 0.2640

## Deuteranomaly

39.2790, 0.2847, 0.2692

## Tritanomaly

39.4349, 0.3116, 0.2937

# Monochromacy



## Original Color

39.4088, 0.2967, 0.2639

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.6052, 0.3075, 0.3050

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4088, 0.2967, 0.2639 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(188, 157, 209)` looks like.

```
.text, #text, p{  
    color:rgb(188, 157, 209)  
}
```

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(188, 157, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 157, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4088, 0.2967, 0.2639 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(188, 157, 209) }
```

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

```
.border{ border-color:rgb(188, 157, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 157, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 157, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 157, 209);  
box-shadow:4px 4px 4px 4px rgb(188, 157,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4088, 0.2967, 0.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 157, 209) }
```

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

```
.background{ background-color: rgb(188,  
157, 209) }
```

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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