

# Converting Colors

$Yxy(39.5240, 0.3094, 0.2688)$

Have a look what the booklet for  
Yxy(39.5240, 0.3094, 0.2688)  
contains.

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# Color

**Yxy(39.6248, 0.3099, 0.2697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C59BCB
RGB	197, 155, 203
RGB Percent	77%, 61%, 80%
CMY	0.2274, 0.3922, 0.2038
CMYK	0.03, 0.24, 0.00, 0.20
HSL	292°, 32%, 70%
HSV	292°, 24%, 80%
XYZ	45.5311, 39.6248, 61.7659
YIQ	173.0300, 9.6240, 23.8320

# Conversions

## Conversions Part 2

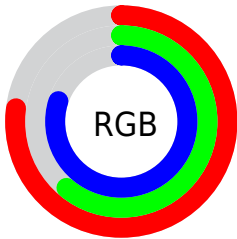
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 155, 203
Decimal	12950475
CIE <sub>Lab</sub>	69.20, 23.98, -18.66
CIE <sub>LCh</sub>	69, 30.384, 322.105
Yxy	39.6248, 0.3099, 0.2697
Android (android.graphics.Color)	4291140555 (0xFFC59BCB)
YUV	173.0300, 14.7752, 21.0217
Hunter-Lab	62.9482, 18.9513, -14.1126

# Details

The Yxy color **39.6248, 0.3099, 0.2697** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.6707, 0.3142, 0.3942**, and the grayscale version is **41.7265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3840, 0.3141, 0.2850**, and **17.7101, 0.3085, 0.2529** is the 20% darker color. If you saturate the color by 10%, you get **33.0869, 0.3081, 0.2441**, and if you desaturate by 10%, it is **47.3080, 0.3113, 0.2953**.

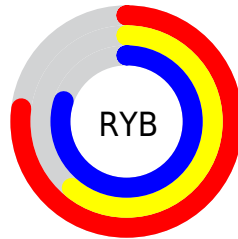
# Distribution



Red (77%)

Green (61%)

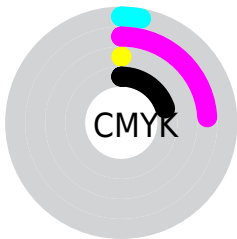
Blue (80%)



Red (77%)

Yellow (61%)

Blue (80%)

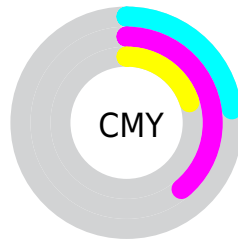


Cyan (3%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (23%)

Magenta (39%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6248, 0.3099, 0.2697 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 39.6248, 0.3099, 0.2697 by changing the saturation by 10% instead.




 39.6248, 0.3099,  
0.2697

 39.6248, 0.3099,  
0.2697

344.5396, 0.3119,  
0.2988

 27.2461, 0.3092,  
0.2627


 74.5918, 0.3107,  
0.2801

 17.7582, 0.3083,  
0.2537


 97.9490, 0.3110,  
0.2841

 10.7765, 0.3069,  
0.2421


125.7344, 0.3112,  
0.2874

 5.9168, 0.3046,  
0.2263

158.3325, 0.3114,  
0.2903

 2.7945, 0.3006,  
0.2037

196.1277, 0.3116,  
0.2928

 1.0254, 0.2926,  
0.1692

239.5044, 0.3117,


 0.0000, 0.2896,


0.2950

0.0000


288.8469, 0.3118,  
0.2970


 0.0000, 0.0000,  
0.0000


 39.6248, 0.3099,  
0.2697


 39.6248, 0.3099,  
0.2697


 33.0869, 0.3081,  
0.2441


 47.3080, 0.3113,  
0.2953


 27.6325, 0.3060,  
0.2193

 56.1843, 0.3124,  
0.3202

 23.2014, 0.3035,  
0.1963

 66.3049, 0.3132,  
0.3439

 19.7259, 0.3008,  
0.1762

 77.7166, 0.3137,  
0.3660

 17.1296, 0.2977,  
0.1598

 89.4953, 0.3142,  
0.3850

■ 15.3249, 0.2946,  
0.1477

■ 89.8711, 0.3158,  
0.3847

■ 14.2054, 0.2913,  
0.1400

■ 90.2529, 0.3174,  
0.3844

■ 13.7293, 0.2893,  
0.1367

■ 90.6407, 0.3190,  
0.3841

■ 91.0344, 0.3206,  
0.3839

# Harmonies

## Analogous

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



39.6248, 0.2683, 0.2574



39.6248, 0.3099, 0.2697



39.6248, 0.3553, 0.2951

# Triad

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



39.6248, 0.3099, 0.2697



39.6248, 0.3885, 0.3952



39.6248, 0.2405, 0.3214

# Complementary

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



39.6248, 0.3099, 0.2697



52.6707, 0.3142, 0.3942

# 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.



39.6248, 0.2690, 0.3658



39.6248, 0.3099, 0.2697



39.6248, 0.3543, 0.4099

# Square

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



39.6248, 0.3099, 0.2697



39.6248, 0.4024, 0.3649



39.6248, 0.3104, 0.3999



39.6248, 0.2305, 0.2836



# Rectangle

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



39.6248, 0.3099, 0.2697



39.6248, 0.3806, 0.3171



39.6248, 0.3104, 0.3999



39.6248, 0.2481, 0.3362

# Sweetspot

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



39.6265, 0.3099, 0.2697



88.7135, 0.3121, 0.3118



36.9117, 0.2735, 0.2720



18.7905, 0.3120, 0.3102



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.



39.6265, 0.3099, 0.2697



60.9374, 0.3091, 0.2576



39.6627, 0.3315, 0.2912



11.3297, 0.3118, 0.3060



8.7619, 0.2897, 0.1370



0.4725, 0.2962, 0.1405



# Inverse Universe

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



38.7160, 0.3553, 0.3214



59.2051, 0.3666, 0.3198



52.6957, 0.2977, 0.3702



11.2362, 0.3271, 0.3261



8.1333, 0.6229, 0.3205

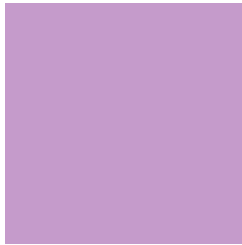


0.4273, 0.5804, 0.2971



# Previews

## White Background



This preview shows how the Yxy color 39.6248, 0.3099, 0.2697 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

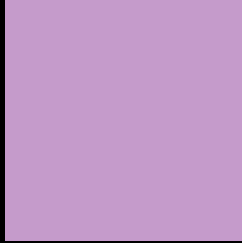
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.6248, 0.3099, 0.2697 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 39.6248, 0.3099, 0.2697**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.6248, 0.3099, 0.2697.



This preview shows how white text looks on a background with the Yxy color 39.6248, 0.3099, 0.2697.

# 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

39.6248, 0.3099, 0.2697

### Protanopia

39.6600, 0.2702, 0.2692

### Deuteranopia

39.6734, 0.2877, 0.2813



## Tritanopia

39.4962, 0.3327, 0.3121

# Trichromacy



## Original Color

39.6248, 0.3099, 0.2697

## Protanomaly

39.5685, 0.2832, 0.2693

## Deuteranomaly

39.4573, 0.2954, 0.2760

## Tritanomaly

39.3837, 0.3238, 0.2957

# Monochromacy



## Original Color

39.6248, 0.3099, 0.2697

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

40.6782, 0.3120, 0.3052

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6248, 0.3099, 0.2697 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(197, 155, 203)` looks like.

```
.text, #text, p{  
    color:rgb(197, 155, 203)  
}
```

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(197, 155, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 155, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6248, 0.3099, 0.2697 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(197, 155, 203) }
```

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

```
.border{ border-color:rgb(197, 155, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 155, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 155, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 155, 203);  
box-shadow:4px 4px 4px 4px rgb(197, 155,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6248, 0.3099, 0.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 155, 203) }
```

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

```
.background{ background-color: rgb(197,  
155, 203) }
```

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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