

# Converting Colors

$Y_{xy}(40.0069, 0.3099, 0.2752)$

Have a look what the booklet for  
Yxy(40.0069, 0.3099, 0.2752)  
contains.

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# Color

**Yxy(39.9331, 0.3097, 0.2742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C39DC9
RGB	195, 157, 201
RGB Percent	76%, 62%, 79%
CMY	0.2354, 0.3843, 0.2117
CMYK	0.03, 0.22, 0.00, 0.21
HSL	292°, 29%, 70%
HSV	292°, 22%, 79%
XYZ	45.1031, 39.9331, 60.5987
YIQ	173.3780, 8.5240, 21.7400

# Conversions

## Conversions Part 2

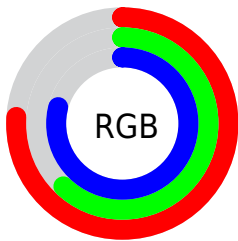
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 157, 201
Decimal	12819913
CIELab	69.42, 21.80, -17.23
CIELCh	69, 27.787, 321.671
Yxy	39.9331, 0.3097, 0.2742
Android (android.graphics.Color)	4291009993 (0xFFC39DC9)
YUV	173.3780, 13.6176, 18.9625
Hunter-Lab	63.1926, 16.8155, -12.6214

# Details

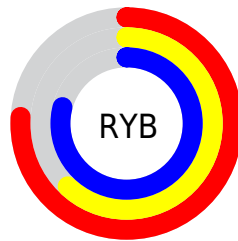
The Yxy color  $39.9331, 0.3097, 0.2742$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $52.0069, 0.3145, 0.3886$ , and the grayscale version is  $41.9186, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $75.0024, 0.3126, 0.2868$ , and  $17.8725, 0.3083, 0.2586$  is the 20% darker color. If you saturate the color by 10%, you get  $33.3190, 0.3077, 0.2484$ , and if you desaturate by 10%, it is  $47.6764, 0.3113, 0.2998$ .

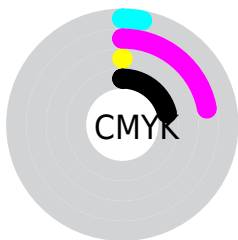
# Distribution



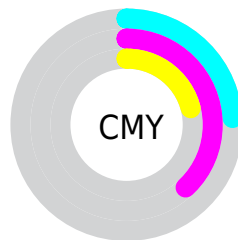
- Red (76%)
- Green (62%)
- Blue (79%)



- Red (76%)
- Yellow (62%)
- Blue (79%)



- Cyan (3%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)




- Cyan (24%)
- Magenta (38%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9331, 0.3097, 0.2742 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 39.9331, 0.3097, 0.2742 by changing the saturation by 10% instead.





 39.9331, 0.3097,  
0.2742


 39.9331, 0.3097,  
0.2742


345.8415, 0.3117,  
0.3011

 27.4864, 0.3091,  
0.2676

 75.0616, 0.3105,  
0.2839

 17.9388, 0.3082,  
0.2593


 98.5122, 0.3108,  
0.2875

 10.9061, 0.3068,  
0.2484


126.3996, 0.3110,  
0.2906

 6.0037, 0.3047,  
0.2335

159.1081, 0.3112,  
0.2933

 2.8473, 0.3009,  
0.2122

197.0222, 0.3114,  
0.2957

 1.0526, 0.2934,  
0.1791

240.5261, 0.3115,

 0.0000, 0.2915,

0.2977

0.0000

290.0045, 0.3116,  
0.2995

0.0000, 0.0000,  
0.0000

39.9331, 0.3097,  
0.2742

39.9331, 0.3097,  
0.2742

33.3190, 0.3077,  
0.2484

47.6764, 0.3113,  
0.2998

27.7744, 0.3054,  
0.2233

56.5948, 0.3125,  
0.3245

23.2415, 0.3027,  
0.1997

66.7377, 0.3134,  
0.3479

19.6553, 0.2996,  
0.1788

78.1505, 0.3141,  
0.3697

16.9431, 0.2963,  
0.1615

89.2587, 0.3147,  
0.3873

■ 15.0216, 0.2928,  
0.1483

■ 89.6637, 0.3164,  
0.3870

■ 13.7912, 0.2892,  
0.1396

■ 90.0756, 0.3182,  
0.3867

■ 13.1539, 0.2863,  
0.1351

■ 90.4945, 0.3199,  
0.3864

■ 90.9206, 0.3217,  
0.3861

# Harmonies

## Analogous

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



39.9331, 0.2716, 0.2632



39.9331, 0.3097, 0.2742



39.9331, 0.3511, 0.2976

# Triad

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



39.9331, 0.3097, 0.2742



39.9331, 0.3824, 0.3894



39.9331, 0.2468, 0.3229

# Complementary

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



39.9331, 0.3097, 0.2742



52.0069, 0.3145, 0.3886

# 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.



39.9331, 0.2733, 0.3630



39.9331, 0.3097, 0.2742



39.9331, 0.3516, 0.4026

# Square

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



39.9331, 0.3097, 0.2742



39.9331, 0.3945, 0.3618



39.9331, 0.3115, 0.3935



39.9331, 0.2372, 0.2881



# Rectangle

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



39.9331, 0.3097, 0.2742



39.9331, 0.3742, 0.3179



39.9331, 0.3115, 0.3935



39.9331, 0.2539, 0.3363

# Sweetspot

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



39.9348, 0.3097, 0.2742



88.6740, 0.3119, 0.3117



37.7987, 0.2768, 0.2779



18.7813, 0.3118, 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.



39.9348, 0.3097, 0.2742



63.0627, 0.3089, 0.2627



40.0658, 0.3291, 0.2932



10.7401, 0.3116, 0.3061



8.2987, 0.2868, 0.1354



0.4138, 0.2944, 0.1395



# Inverse Universe

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



39.1829, 0.3507, 0.3214



61.5938, 0.3610, 0.3197



51.9446, 0.2993, 0.3677



10.6602, 0.3268, 0.3259



7.8671, 0.6204, 0.3191

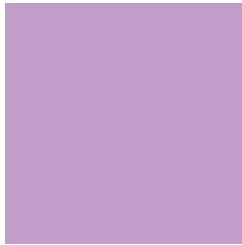


0.3804, 0.5726, 0.2928



# Previews

## White Background



This preview shows how the Yxy color 39.9331, 0.3097, 0.2742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

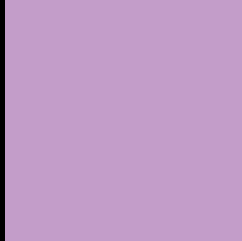
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9331, 0.3097, 0.2742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

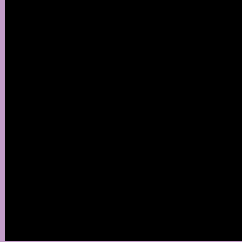
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9331, 0.3097, 0.2742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.9331, 0.3097, 0.2742.



This preview shows how white text looks on a background with the Yxy color 39.9331, 0.3097, 0.2742.

# 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

39.9331, 0.3097, 0.2742

### Protanopia

40.0823, 0.2740, 0.2745

### Deuteranopia

40.1666, 0.2910, 0.2854



## Tritanopia

39.9730, 0.3296, 0.3134

# Trichromacy



## Original Color

39.9331, 0.3097, 0.2742

## Protanomaly

39.8914, 0.2864, 0.2743

## Deuteranomaly

40.0678, 0.2970, 0.2811

## Tritanomaly

39.8088, 0.3217, 0.2981

# Monochromacy



## Original Color

39.9331, 0.3097, 0.2742

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

40.8801, 0.3119, 0.3078

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9331, 0.3097, 0.2742 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(195, 157, 201)` looks like.

```
.text, #text, p{  
    color:rgb(195, 157, 201)  
}
```

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(195, 157, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 157, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9331, 0.3097, 0.2742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

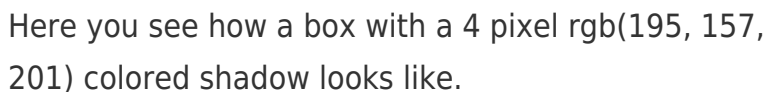
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 157, 201) }
```

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

```
.border{ border-color:rgb(195, 157, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 157, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 157, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 157, 201); box-shadow:4px 4px 4px 4px rgb(195, 157, 201) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9331, 0.3097, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 157, 201) }
```

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

```
.background{ background-color: rgb(195,  
157, 201) }
```

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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