

# Converting Colors

$Y_{xy}(39.1099, 0.2996, 0.2505)$

Have a look what the booklet for  
Yxy(39.1099, 0.2996, 0.2505)  
contains.

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# Color

**Yxy(39.0969, 0.2999, 0.2508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C697D8
RGB	198, 151, 216
RGB Percent	78%, 59%, 85%
CMY	0.2235, 0.4078, 0.1530
CMYK	0.08, 0.30, 0.00, 0.15
HSL	283°, 45%, 72%
HSV	283°, 30%, 85%
XYZ	46.7510, 39.0969, 70.0408
YIQ	172.4630, 7.1470, 30.1790

# Conversions

## Conversions Part 2

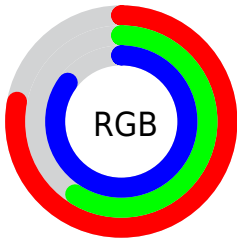
Format	Color
<a href="#">RYB</a>	<a href="#">198, 151, 216</a>
Decimal	<a href="#">13015000</a>
CIELab	<a href="#">68.82, 29.08, -26.40</a>
CIELCh	<a href="#">69, 39.278, 317.760</a>
Yxy	<a href="#">39.0969, 0.2999, 0.2508</a>
Android (android.graphics.Color)	<a href="#">4291205080 (0xFFC697D8)</a>
YUV	<a href="#">172.4630, 21.4637, 22.3959</a>
Hunter-Lab	<a href="#">62.5275, 24.0391, -22.6450</a>

# Details

The Yxy color **39.0969, 0.2999, 0.2508** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.7737, 0.3215, 0.4133**, and the grayscale version is **41.3894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **17.3365, 0.2945, 0.2298** is the 20% darker color. If you saturate the color by 10%, you get **31.9756, 0.2942, 0.2237**, and if you desaturate by 10%, it is **47.5271, 0.3049, 0.2778**.

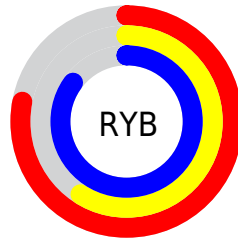
# Distribution



Red (78%)

Green (59%)

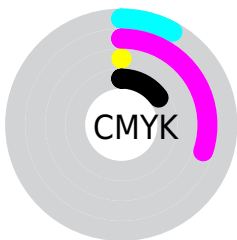
Blue (85%)



Red (78%)

Yellow (59%)

Blue (85%)

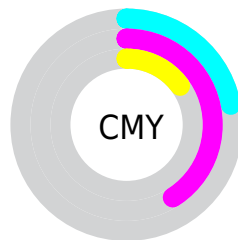


Cyan (8%)

Magenta (30%)

Yellow (0%)

Black (15%)



Cyan (22%)

Magenta (41%)


Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0969, 0.2999, 0.2508 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 39.0969, 0.2999, 0.2508 by changing the saturation by 10% instead.




 39.0969, 0.2999,  
0.2508


 39.0969, 0.2999,  
0.2508


342.3023, 0.3073,  
0.2886

 26.8351, 0.2978,  
0.2418


 73.7863, 0.3028,  
0.2642

 17.4494, 0.2950,  
0.2306

 96.9828, 0.3038,  
0.2693

 10.5554, 0.2910,  
0.2162


124.5929, 0.3046,  
0.2737

 5.7688, 0.2851,  
0.1970

157.0010, 0.3053,  
0.2775

 2.7050, 0.2756,  
0.1705

194.5917, 0.3059,  
0.2808

 0.9797, 0.2587,  
0.1323


237.7492, 0.3064,


 0.0000, 0.2348,


0.2837

0.0000


286.8579, 0.3069,  
0.2863


 0.0000, 0.0000,  
0.0000


 39.0969, 0.2999,  
0.2508


 39.0969, 0.2999,  
0.2508


 31.9756, 0.2942,  
0.2237

 47.5271, 0.3049,  
0.2778


 26.0881, 0.2877,  
0.1975


 57.3259, 0.3091,  
0.3040

 21.3596, 0.2807,  
0.1734

 68.5553, 0.3127,  
0.3288

 17.7045, 0.2733,  
0.1524

 81.2719, 0.3156,  
0.3519

 15.0257, 0.2657,  
0.1356

 92.9528, 0.3182,  
0.3692

■ 13.2074, 0.2583,  
0.1236

■ 93.9463, 0.3220,  
0.3688

■ 12.0495, 0.2512,  
0.1157

■ 94.9740, 0.3259,  
0.3683

■ 96.0360, 0.3297,  
0.3678

■ 97.1328, 0.3336,  
0.3674

# Harmonies

## Analogous

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



39.0969, 0.2491, 0.2379



39.0969, 0.2999, 0.2508



39.0969, 0.3594, 0.2803

# Triad

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



39.0969, 0.2999, 0.2508



39.0969, 0.4144, 0.4075



39.0969, 0.2242, 0.3261

# Complementary

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



39.0969, 0.2999, 0.2508



59.7737, 0.3215, 0.4133

# 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.



39.0969, 0.2626, 0.3854



39.0969, 0.2999, 0.2508



39.0969, 0.3725, 0.4331

# Square

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



39.0969, 0.2999, 0.2508



39.0969, 0.4289, 0.3661



39.0969, 0.3167, 0.4273



39.0969, 0.2088, 0.2751



# Rectangle

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



39.0969, 0.2999, 0.2508



39.0969, 0.3947, 0.3066



39.0969, 0.3167, 0.4273



39.0969, 0.2347, 0.3461

# Sweetspot

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



39.0986, 0.2999, 0.2508



85.0371, 0.3095, 0.3066



40.0674, 0.2626, 0.2669



17.7188, 0.3090, 0.3028



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.



39.0986, 0.2999, 0.2508



50.2434, 0.2964, 0.2338



40.9911, 0.3289, 0.2695



12.4520, 0.3094, 0.3057



7.1891, 0.2523, 0.1163



0.4739, 0.2646, 0.1231



# Inverse Universe

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



39.5949, 0.3612, 0.3073



51.1820, 0.3755, 0.3026



58.4057, 0.2999, 0.3970



12.4767, 0.3248, 0.3226



8.8484, 0.5829, 0.2985



0.5477, 0.5329, 0.2709



# Previews

## White Background



This preview shows how the Yxy color 39.0969, 0.2999, 0.2508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

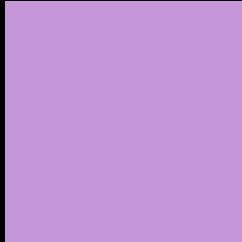
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.0969, 0.2999, 0.2508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

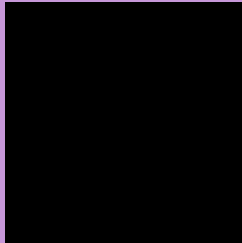
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.0969, 0.2999, 0.2508**

## Background



This preview shows how black text looks on a background with the Yxy color 39.0969, 0.2999, 0.2508.



This preview shows how white text looks on a background with the Yxy color 39.0969, 0.2999, 0.2508.

# 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

39.0969, 0.2999, 0.2508

### Protanopia

39.3978, 0.2551, 0.2496

### Deuteranopia

39.2914, 0.2716, 0.2657



## Tritanopia

39.1965, 0.3317, 0.3133

# Trichromacy



## Original Color

39.0969, 0.2999, 0.2508

## Protanomaly

39.1423, 0.2697, 0.2501

## Deuteranomaly

38.9953, 0.2809, 0.2598

## Tritanomaly

39.2141, 0.3203, 0.2895

# Monochromacy



## Original Color

39.0969, 0.2999, 0.2508

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.0055, 0.3078, 0.2974

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0969, 0.2999, 0.2508 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(198, 151, 216)` looks like.

```
.text, #text, p{  
    color:rgb(198, 151, 216)  
}
```

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(198, 151, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 151, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0969, 0.2999, 0.2508 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(198, 151, 216) }
```

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

```
.border{ border-color:rgb(198, 151, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 151, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 151, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 151, 216);  
box-shadow:4px 4px 4px 4px rgb(198, 151,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0969, 0.2999, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 151, 216) }
```

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

```
.background{ background-color: rgb(198,  
151, 216) }
```

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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