

# Converting Colors

Yxy(39.3444, 0.3105, 0.2790)

Have a look what the booklet for  
Yxy(39.3444, 0.3105, 0.2790)  
contains.

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# Color

**Yxy(39.3516, 0.3104, 0.2784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C09DC5
RGB	192, 157, 197
RGB Percent	75%, 62%, 77%
CMY	0.2471, 0.3843, 0.2273
CMYK	0.03, 0.20, 0.00, 0.23
HSL	292°, 26%, 69%
HSV	292°, 20%, 77%
XYZ	43.8748, 39.3516, 58.1228
YIQ	172.0250, 8.0200, 19.8600

# Conversions

## Conversions Part 2

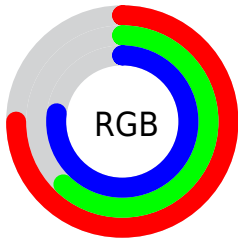
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 157, 197
Decimal	12623301
CIELab	69.01, 20.02, -15.68
CIELCh	69, 25.430, 321.933
Yxy	39.3516, 0.3104, 0.2784
Android (android.graphics.Color)	4290813381 (0xFFC09DC5)
YUV	172.0250, 12.3127, 17.5181
Hunter-Lab	62.7309, 15.0662, -11.0231

# Details

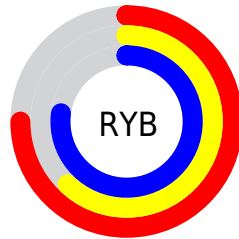
The Yxy color **39.3516, 0.3104, 0.2784** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.0646, 0.3141, 0.3838**, and the grayscale version is **41.2029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3825, 0.3111, 0.2875**, and **17.4896, 0.3092, 0.2639** is the 20% darker color. If you saturate the color by 10%, you get **32.8945, 0.3088, 0.2527**, and if you desaturate by 10%, it is **46.8926, 0.3117, 0.3038**.

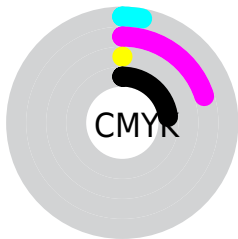
# Distribution



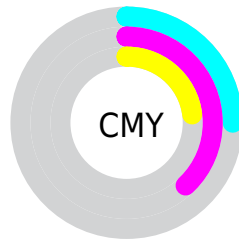
- Red (75%)
- Green (62%)
- Blue (77%)



- Red (75%)
- Yellow (62%)
- Blue (77%)



- Cyan (3%)
- Magenta (20%)
- Yellow (0%)
- Black (23%)




- Cyan (25%)
- Magenta (38%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3516, 0.3104, 0.2784 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 39.3516, 0.3104, 0.2784 by changing the saturation by 10% instead.





 39.3516, 0.3104,  
0.2784


 39.3516, 0.3104,  
0.2784


343.3830, 0.3120,  
0.3034

 27.0334, 0.3099,  
0.2723


 74.1751, 0.3111,  
0.2874

 17.5983, 0.3091,  
0.2644


 97.4492, 0.3113,  
0.2908

 10.6620, 0.3080,  
0.2541


125.1440, 0.3115,  
0.2937

 5.8400, 0.3062,  
0.2400

157.6440, 0.3116,  
0.2962

 2.7480, 0.3030,  
0.2194

195.3335, 0.3117,  
0.2984

 1.0017, 0.2964,  
0.1871

238.5969, 0.3118,


 0.0000, 0.2823,


0.3003

0.0000

287.8186, 0.3119,  
0.3019


 0.0000, 0.0000,  
0.0000

 39.3516, 0.3104,  
0.2784


 39.3516, 0.3104,  
0.2784


 32.8945, 0.3088,  
0.2527


 46.8926, 0.3117,  
0.3038


 27.4648, 0.3068,  
0.2276

 55.5603, 0.3127,  
0.3283

 23.0084, 0.3044,  
0.2039

 65.4017, 0.3134,  
0.3514

 19.4644, 0.3017,  
0.1828

 76.4594, 0.3139,  
0.3729

 16.7649, 0.2988,  
0.1650

 88.4437, 0.3142,  
0.3923

■ 14.8325, 0.2956,  
0.1514

■ 88.7974, 0.3158,  
0.3920

■ 13.5755, 0.2924,  
0.1422

■ 89.1567, 0.3173,  
0.3917

■ 12.8325, 0.2892,  
0.1367

■ 89.5215, 0.3189,  
0.3914

■ 89.8921, 0.3204,  
0.3911

# Harmonies

## Analogous

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



39.3516, 0.2751, 0.2681



39.3516, 0.3104, 0.2784



39.3516, 0.3484, 0.3003

# Triad

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



39.3516, 0.3104, 0.2784



39.3516, 0.3768, 0.3850



39.3516, 0.2517, 0.3233

# Complementary

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



39.3516, 0.3104, 0.2784



50.0646, 0.3141, 0.3838

# 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.



39.3516, 0.2763, 0.3599



39.3516, 0.3104, 0.2784



39.3516, 0.3484, 0.3966

# Square

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



39.3516, 0.3104, 0.2784



39.3516, 0.3879, 0.3599



39.3516, 0.3114, 0.3878



39.3516, 0.2429, 0.2913



# Rectangle

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



39.3516, 0.3104, 0.2784



39.3516, 0.3694, 0.3191



39.3516, 0.3114, 0.3878



39.3516, 0.2583, 0.3356

# Sweetspot

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



39.3533, 0.3104, 0.2784



90.2607, 0.3122, 0.3143



37.1612, 0.2796, 0.2811



19.1025, 0.3121, 0.3126



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.



39.3533, 0.3104, 0.2784



65.5445, 0.3098, 0.2680



39.3809, 0.3283, 0.2968



10.7464, 0.3118, 0.3061



8.4630, 0.2897, 0.1369



0.4202, 0.2966, 0.1408



# Inverse Universe

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



38.5988, 0.3478, 0.3225



63.9949, 0.3568, 0.3212



50.0798, 0.2998, 0.3636



10.6583, 0.3270, 0.3261



7.8600, 0.6226, 0.3204

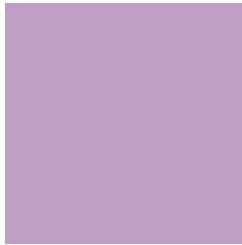


0.3795, 0.5775, 0.2955



# Previews

## White Background



This preview shows how the Yxy color 39.3516, 0.3104, 0.2784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

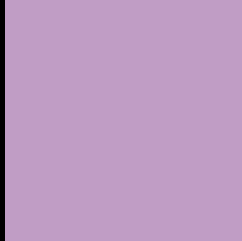
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.3516, 0.3104, 0.2784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

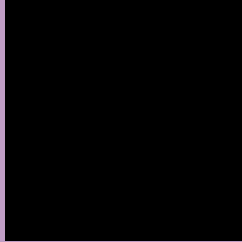
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.3516, 0.3104, 0.2784**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.3516, 0.3104, 0.2784.



This preview shows how white text looks on a background with the Yxy color 39.3516, 0.3104, 0.2784.

# 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

39.3516, 0.3104, 0.2784

### Protanopia

39.5741, 0.2782, 0.2793

### Deuteranopia

39.3071, 0.2933, 0.2864



## Tritanopia

39.3645, 0.3278, 0.3119

# Trichromacy



## Original Color

39.3516, 0.3104, 0.2784

## Protanomaly

39.1821, 0.2893, 0.2788

## Deuteranomaly

39.0590, 0.2994, 0.2831

## Tritanomaly

39.4662, 0.3216, 0.3004

# Monochromacy



## Original Color

39.3516, 0.3104, 0.2784

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.5573, 0.3118, 0.3103

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.3516, 0.3104, 0.2784 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(192, 157, 197)` looks like.

```
.text, #text, p{  
    color:rgb(192, 157, 197)  
}
```

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(192, 157, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 157, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 39.3516, 0.3104, 0.2784 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(192, 157, 197) }
```

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

```
.border{ border-color:rgb(192, 157, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 157, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 157, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 157, 197);  
box-shadow:4px 4px 4px 4px rgb(192, 157,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.3516, 0.3104, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 157, 197) }
```

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

```
.background{ background-color: rgb(192,  
157, 197) }
```

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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