

# Converting Colors

$Y_{xy}(39.0220, 0.3410, 0.3123)$

Have a look what the booklet for  
Yxy(39.0220, 0.3410, 0.3123)  
contains.

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# Color

**Yxy(39.0220, 0.3410, 0.3123)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C69DAA
RGB	198, 157, 170
RGB Percent	78%, 62%, 67%
CMY	0.2234, 0.3843, 0.3333
CMYK	0.00, 0.21, 0.14, 0.22
HSL	341°, 26%, 70%
HSV	341°, 21%, 78%
XYZ	42.6081, 39.0220, 43.3203
YIQ	170.7410, 20.2630, 12.7350

# Conversions

## Conversions Part 2

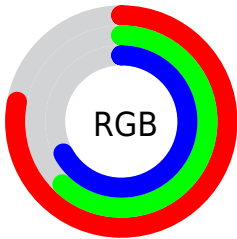
Format	Color
<a href="#">RYB</a>	<a href="#">198, 157, 170</a>
Decimal	<a href="#">13016490</a>
CIELab	<a href="#">68.77, 17.29, -0.95</a>
CIELCh	<a href="#">69, 17.317, 356.863</a>
Yxy	<a href="#">39.0220, 0.3410, 0.3123</a>
Android (android.graphics.Color)	<a href="#">4291206570 (0xFFC69DAA)</a>
YUV	<a href="#">170.7410, -0.3653, 23.9061</a>
Hunter-Lab	<a href="#">62.4676, 12.4335, 2.6106</a>

# Details

The Yxy color **39.0220, 0.3410, 0.3123** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.0734, 0.2907, 0.3464**, and the grayscale version is **40.5844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7832, 0.3356, 0.3160**, and **17.3404, 0.3502, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **32.3718, 0.3595, 0.3037**, and if you desaturate by 10%, it is **46.8144, 0.3259, 0.3206**.

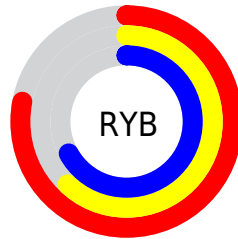
# Distribution



Red (78%)

Green (62%)

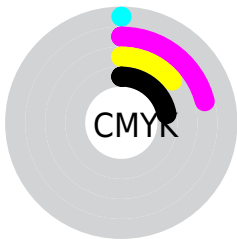
Blue (67%)



Red (78%)

Yellow (62%)

Blue (67%)

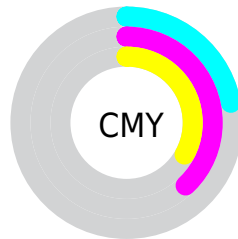


Cyan (0%)

Magenta (21%)

Yellow (14%)

Black (22%)



Cyan (22%)

Magenta (38%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0220, 0.3410, 0.3123 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 39.0220, 0.3410, 0.3123 by changing the saturation by 10% instead.




 39.0220, 0.3410,  
0.3123


 39.0220, 0.3410,  
0.3123

341.9840, 0.3265,  
0.3209

 26.7768, 0.3448,  
0.3101


 73.6719, 0.3356,  
0.3155

 17.4057, 0.3497,  
0.3072


 96.8455, 0.3336,  
0.3166

 10.5242, 0.3564,  
0.3033


124.4306, 0.3320,  
0.3176

 5.7479, 0.3661,  
0.2977

156.8118, 0.3305,  
0.3185

 2.6924, 0.3812,  
0.2890

194.3733, 0.3293,  
0.3192

 0.9733, 0.4081,  
0.2737

237.4996, 0.3282,

 0.0000, 1.0000,

0.3198

0.0000

286.5750, 0.3273,  
0.3204

0.0000, 0.0000,  
0.0000

39.0220, 0.3410,  
0.3123

39.0220, 0.3410,  
0.3123

32.3718, 0.3595,  
0.3037

46.8144, 0.3259,  
0.3206

26.8047, 0.3818,  
0.2953

55.7938, 0.3135,  
0.3285

22.2642, 0.4083,  
0.2875

66.0094, 0.3034,  
0.3357

18.6866, 0.4390,  
0.2814

77.5058, 0.2952,  
0.3424

16.0010, 0.4731,  
0.2780

89.6808, 0.2884,  
0.3475

■ 14.1266, 0.5086,  
0.2786

■ 90.5040, 0.2814,  
0.3330

■ 12.9677, 0.5429,  
0.2838

■ 90.7501, 0.2795,  
0.3289

■ 12.3669, 0.5713,  
0.2921

# Harmonies

## Analogous

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



39.0220, 0.3158, 0.2956



39.0220, 0.3410, 0.3123



39.0220, 0.3588, 0.3334

# Triad

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



39.0220, 0.3410, 0.3123



39.0220, 0.3337, 0.3746



39.0220, 0.2642, 0.3008

# Complementary

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



39.0220, 0.3410, 0.3123



51.0734, 0.2907, 0.3464

# 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.



39.0220, 0.2686, 0.3217



39.0220, 0.3410, 0.3123



39.0220, 0.3081, 0.3660

# Square

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



39.0220, 0.3410, 0.3123



39.0220, 0.3542, 0.3698



39.0220, 0.2844, 0.3461



39.0220, 0.2721, 0.2885



# Rectangle

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



39.0220, 0.3410, 0.3123



39.0220, 0.3637, 0.3477



39.0220, 0.2844, 0.3461



39.0220, 0.2643, 0.3070

# Sweetspot

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



39.0238, 0.3410, 0.3123



89.9690, 0.3198, 0.3243



38.4236, 0.3025, 0.2761



19.0337, 0.3207, 0.3238



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.



39.0238, 0.3410, 0.3123



63.3575, 0.3491, 0.3083



40.9348, 0.3520, 0.3380



10.6915, 0.3241, 0.3217



8.0535, 0.5678, 0.2901



0.3946, 0.5076, 0.2570



# Inverse Universe

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



39.0238, 0.3410, 0.3123



63.3575, 0.3491, 0.3083



48.5913, 0.2815, 0.3198



10.6915, 0.3241, 0.3217



8.0535, 0.5678, 0.2901

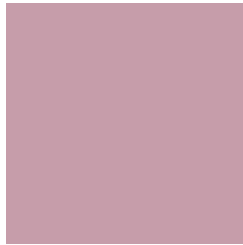


0.3946, 0.5076, 0.2570



# Previews

## White Background



This preview shows how the Yxy color 39.0220, 0.3410, 0.3123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

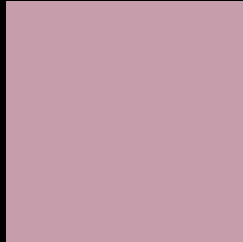
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.0220, 0.3410, 0.3123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

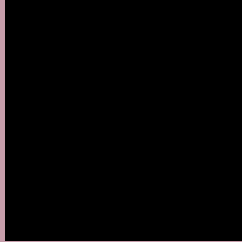
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.0220, 0.3410, 0.3123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.0220, 0.3410, 0.3123.



This preview shows how white text looks on a background with the Yxy color 39.0220, 0.3410, 0.3123.

# 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

39.0220, 0.3410, 0.3123

### Protanopia

39.2070, 0.3069, 0.3165

### Deuteranopia

39.2493, 0.3273, 0.3210



## Tritanopia

38.9843, 0.3419, 0.3136

# Trichromacy



## Original Color

39.0220, 0.3410, 0.3123

## Protanomaly

38.9537, 0.3191, 0.3142

## Deuteranomaly

39.1731, 0.3324, 0.3185

## Tritanomaly

38.9843, 0.3419, 0.3136

# Monochromacy



## Original Color

39.0220, 0.3410, 0.3123

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

40.0365, 0.3223, 0.3223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0220, 0.3410, 0.3123 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, 157, 170)` looks like.

```
.text, #text, p{  
    color:rgb(198, 157, 170)  
}
```

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, 157, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 157, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0220, 0.3410, 0.3123 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, 157, 170) }
```

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

```
.border{ border-color:rgb(198, 157, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 157, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 157, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 157, 170);  
box-shadow:4px 4px 4px 4px rgb(198, 157,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0220, 0.3410, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 157, 170) }
```

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

```
.background{ background-color: rgb(198,  
157, 170) }
```

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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