

# Converting Colors

$Yxy(39.8701, 0.3175, 0.2860)$

Have a look what the booklet for  
Yxy(39.8701, 0.3175, 0.2860)  
contains.

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# Color

**Yxy(39.8616, 0.3175, 0.2861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C39EC0
RGB	195, 158, 192
RGB Percent	76%, 62%, 75%
CMY	0.2355, 0.3803, 0.2471
CMYK	0.00, 0.19, 0.02, 0.24
HSL	305°, 24%, 69%
HSV	305°, 19%, 76%
XYZ	44.2365, 39.8616, 55.2294
YIQ	172.9390, 11.1380, 18.4180

# Conversions

## Conversions Part 2

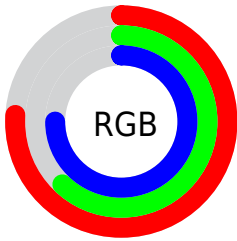
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 158, 192
Decimal	12820160
CIE Lab	69.37, 19.50, -12.31
CIE LCh	69, 23.064, 327.739
Yxy	39.8616, 0.3175, 0.2861
Android (android.graphics.Color)	4291010240 (0xFFC39EC0)
YUV	172.9390, 9.3971, 19.3475
Hunter-Lab	63.1360, 14.5786, -7.6698

# Details

The Yxy color **39.8616, 0.3175, 0.2861** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.8512, 0.3082, 0.3760**, and the grayscale version is **41.7024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0613, 0.3172, 0.2944**, and **17.8349, 0.3180, 0.2727** is the 20% darker color. If you saturate the color by 10%, you get **33.6618, 0.3204, 0.2631**, and if you desaturate by 10%, it is **47.1206, 0.3149, 0.3091**.

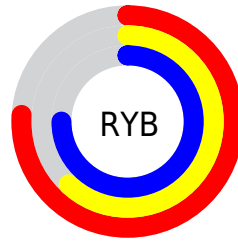
# Distribution



Red (76%)

Green (62%)

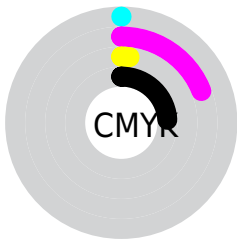
Blue (75%)



Red (76%)

Yellow (62%)

Blue (75%)

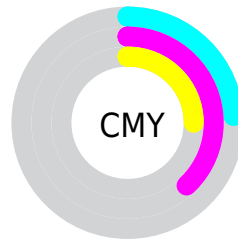


Cyan (0%)

Magenta (19%)

Yellow (2%)

Black (24%)



Cyan (24%)

Magenta (38%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8616, 0.3175, 0.2861 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 39.8616, 0.3175, 0.2861 by changing the saturation by 10% instead.





 39.8616, 0.3175,  
0.2861


 39.8616, 0.3175,  
0.2861


345.5399, 0.3154,  
0.3074

 27.4307, 0.3180,  
0.2808


 74.9527, 0.3168,  
0.2938

 17.8969, 0.3185,  
0.2741


 98.3817, 0.3165,  
0.2967

 10.8760, 0.3191,  
0.2653


126.2454, 0.3162,  
0.2991

 5.9835, 0.3199,  
0.2530

158.9284, 0.3160,  
0.3013

 2.8351, 0.3206,  
0.2351

196.8149, 0.3158,  
0.3031

 1.0462, 0.3209,  
0.2063

240.2894, 0.3157,

 0.0000, 0.3431,

0.3047


0.0000


289.7363, 0.3155,  
0.3061

 0.0000, 0.0000,  
0.0000


 39.8616, 0.3175,  
0.2861


 39.8616, 0.3175,  
0.2861


 33.6618, 0.3204,  
0.2631


 47.1206, 0.3149,  
0.3091

 28.4664, 0.3235,  
0.2407


 55.4800, 0.3125,  
0.3313


 24.2235, 0.3268,  
0.2198

 64.9850, 0.3104,  
0.3525

 20.8745, 0.3301,  
0.2014

 75.6769, 0.3085,  
0.3723

 18.3544, 0.3333,  
0.1865

 87.2755, 0.3069,  
0.3902

■ 16.5893, 0.3364,  
0.1755

■ 87.3486, 0.3061,  
0.3884

■ 15.4923, 0.3393,  
0.1689

■ 87.4225, 0.3052,  
0.3866

■ 14.9163, 0.3419,  
0.1661

■ 87.4971, 0.3044,  
0.3848

■ 14.8647, 0.3422,  
0.1659

■ 87.5725, 0.3035,  
0.3830

# Harmonies

## Analogous

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



39.8616, 0.2844, 0.2744



39.8616, 0.3175, 0.2861



39.8616, 0.3510, 0.3077

# Triad

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



39.8616, 0.3175, 0.2861



39.8616, 0.3668, 0.3830



39.8616, 0.2546, 0.3179

# Complementary

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



39.8616, 0.3175, 0.2861



48.8512, 0.3082, 0.3760

# 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.



39.8616, 0.2745, 0.3507



39.8616, 0.3175, 0.2861



39.8616, 0.3390, 0.3898

# Square

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



39.8616, 0.3175, 0.2861



39.8616, 0.3801, 0.3623



39.8616, 0.3052, 0.3781



39.8616, 0.2495, 0.2907



# Rectangle

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



39.8616, 0.3175, 0.2861



39.8616, 0.3683, 0.3256



39.8616, 0.3052, 0.3781



39.8616, 0.2597, 0.3287

# Sweetspot

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



39.8633, 0.3175, 0.2861



88.5037, 0.3141, 0.3155



35.9242, 0.2838, 0.2781



19.1700, 0.3143, 0.3140



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.



39.8633, 0.3175, 0.2861



66.3009, 0.3188, 0.2759



39.1147, 0.3340, 0.3083



10.2332, 0.3150, 0.3081



9.6728, 0.3418, 0.1657



0.4221, 0.3367, 0.1628



# Inverse Universe

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



39.8633, 0.3175, 0.2861



66.3009, 0.3188, 0.2759



49.5314, 0.2955, 0.3507



10.2332, 0.3150, 0.3081



9.6728, 0.3418, 0.1657



0.4221, 0.3367, 0.1628



# Previews

## White Background



This preview shows how the Yxy color 39.8616, 0.3175, 0.2861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

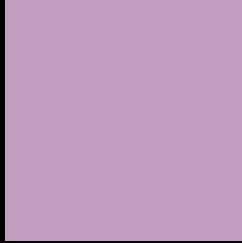
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.8616, 0.3175, 0.2861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

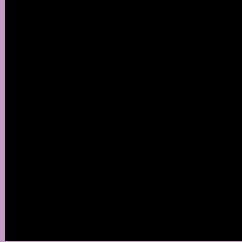
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8616, 0.3175, 0.2861**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.8616, 0.3175, 0.2861.



This preview shows how white text looks on a background with the Yxy color 39.8616, 0.3175, 0.2861.

# 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

39.8616, 0.3175, 0.2861

### Protanopia

40.0213, 0.2844, 0.2873

### Deuteranopia

39.9020, 0.3008, 0.2945



## Tritanopia

39.7522, 0.3307, 0.3121

# Trichromacy



## Original Color

39.8616, 0.3175, 0.2861

## Protanomaly

39.6504, 0.2959, 0.2867

## Deuteranomaly

39.6695, 0.3071, 0.2911

## Tritanomaly

39.8153, 0.3254, 0.3020

# Monochromacy



## Original Color

39.8616, 0.3175, 0.2861

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.1243, 0.3144, 0.3131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8616, 0.3175, 0.2861 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, 158, 192)` looks like.

```
.text, #text, p{  
    color:rgb(195, 158, 192)  
}
```

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, 158, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 158, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8616, 0.3175, 0.2861 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, 158, 192) }
```

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

```
.border{ border-color:rgb(195, 158, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 158, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 158, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 158, 192);  
box-shadow:4px 4px 4px 4px rgb(195, 158,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8616, 0.3175, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 158, 192) }
```

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

```
.background{ background-color: rgb(195,  
158, 192) }
```

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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