

# Converting Colors

Yxy(39.6169, 0.3117, 0.2891)

Have a look what the booklet for  
Yxy(39.6169, 0.3117, 0.2891)  
contains.

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# Color

**Yxy(39.5946, 0.3118, 0.2890)**

# Conversions

Conversions Part 1	
Format	Color
Hex	BCA0BF
RGB	188, 160, 191
RGB Percent	74%, 63%, 75%
CMY	0.2627, 0.3726, 0.2509
CMYK	0.02, 0.16, 0.00, 0.25
HSL	294°, 20%, 69%
HSV	294°, 16%, 75%
XYZ	42.7183, 39.5946, 54.6926
YIQ	171.9060, 6.7370, 15.5770

# Conversions

## Conversions Part 2

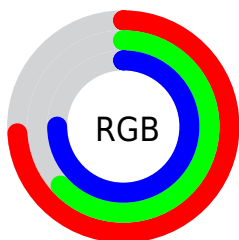
Format	Color
<a href="#">RYB</a>	<a href="#">188, 160, 191</a>
Decimal	<a href="#">12361919</a>
CIELab	<a href="#">69.18, 15.84, -12.12</a>
CIELCh	<a href="#">69, 19.948, 322.578</a>
Yxy	<a href="#">39.5946, 0.3118, 0.2890</a>
Android (android.graphics.Color)	<a href="#">4290551999</a> ( <a href="#">0xFFBCA0BF</a> )
YUV	<a href="#">171.9060, 9.4133, 14.1144</a>
Hunter-Lab	<a href="#">62.9242, 11.0636, -7.4868</a>

# Details

The Yxy color  $39.5946, 0.3118, 0.2890$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $47.5952, 0.3131, 0.3718$ , and the grayscale version is  $41.1559, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.5494, 0.3121, 0.2968$ , and  $17.7110, 0.3113, 0.2765$  is the 20% darker color. If you saturate the color by 10%, you get  $33.2411, 0.3109, 0.2636$ , and if you desaturate by 10%, it is  $46.9721, 0.3124, 0.3139$ .

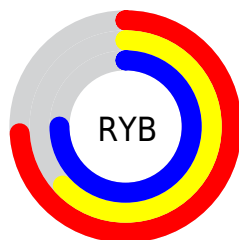
# Distribution



Red (74%)

Green (63%)

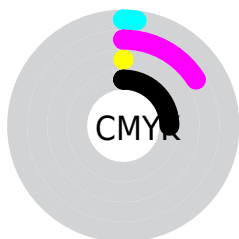
Blue (75%)



Red (74%)

Yellow (63%)

Blue (75%)

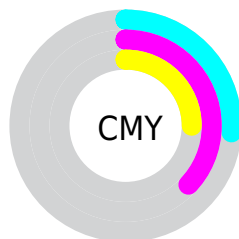


Cyan (2%)

Magenta (16%)

Yellow (0%)

Black (25%)



Cyan (26%)

Magenta (37%)


Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5946, 0.3118, 0.2890 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 39.5946, 0.3118, 0.2890 by changing the saturation by 10% instead.





 39.5946, 0.3118,  
0.2890


 39.5946, 0.3118,  
0.2890


 344.4119, 0.3125,  
0.3089

 27.2226, 0.3115,  
0.2840


 74.5458, 0.3121,  
0.2962

 17.7405, 0.3112,  
0.2777


 97.8938, 0.3122,  
0.2990


 10.7638, 0.3106,  
0.2693


 125.6692, 0.3123,  
0.3013


 5.9083, 0.3096,  
0.2576

 158.2565, 0.3124,  
0.3032

 2.7894, 0.3077,  
0.2403

 196.0400, 0.3124,  
0.3049

 1.0228, 0.3037,  
0.2123


 239.4041, 0.3125,

 0.0000, 0.2864,

0.3064


0.0000


288.7333, 0.3125,  
0.3078


 0.0000, 0.0000,  
0.0000


 39.5946, 0.3118,  
0.2890


 39.5946, 0.3118,  
0.2890


 33.2411, 0.3109,  
0.2636


 46.9721, 0.3124,  
0.3139


 27.8601, 0.3097,  
0.2385


 55.4118, 0.3128,  
0.3378


 23.4035, 0.3083,  
0.2146

 64.9563, 0.3131,  
0.3604

 19.8169, 0.3065,  
0.1928


 75.6442, 0.3132,  
0.3813

 17.0404, 0.3045,  
0.1741

 87.1887, 0.3132,  
0.4000


 15.0062, 0.3023,  
0.1593

 87.4404, 0.3143,  
0.3997


 13.6357, 0.3000,  
0.1489

 87.6952, 0.3154,  
0.3995

 12.8275, 0.2975,  
0.1426

 87.9530, 0.3166,  
0.3992

 12.5924, 0.2966,  
0.1408

 88.2140, 0.3177,  
0.3990

# Harmonies

## Analogous

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



39.5946, 0.2838, 0.2806



39.5946, 0.3118, 0.2890



39.5946, 0.3413, 0.3068

# Triad

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



39.5946, 0.3118, 0.2890



39.5946, 0.3627, 0.3737



39.5946, 0.2642, 0.3244

# Complementary

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



39.5946, 0.3118, 0.2890



47.5952, 0.3131, 0.3718

# 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.



39.5946, 0.2837, 0.3524



39.5946, 0.3118, 0.2890



39.5946, 0.3405, 0.3816

# Square

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



39.5946, 0.3118, 0.2890



39.5946, 0.3714, 0.3545



39.5946, 0.3114, 0.3740



39.5946, 0.2573, 0.2994



# Rectangle

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



39.5946, 0.3118, 0.2890



39.5946, 0.3574, 0.3221



39.5946, 0.3114, 0.3740



39.5946, 0.2695, 0.3338

# Sweetspot

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



39.5963, 0.3118, 0.2890



85.7641, 0.3125, 0.3168



37.4652, 0.2868, 0.2903



18.6096, 0.3125, 0.3150



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.5963, 0.3118, 0.2890



67.2285, 0.3116, 0.2813



39.4584, 0.3257, 0.3048



9.6481, 0.3123, 0.3063



8.2930, 0.2969, 0.1409



0.3386, 0.3031, 0.1443



# Inverse Universe

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



38.8638, 0.3402, 0.3251



65.7135, 0.3466, 0.3243



47.7380, 0.3016, 0.3545



9.5510, 0.3273, 0.3268



7.3146, 0.6273, 0.3229

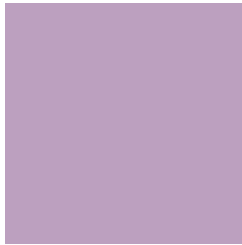


0.2916, 0.5855, 0.2999



# Previews

## White Background



This preview shows how the Yxy color 39.5946, 0.3118, 0.2890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

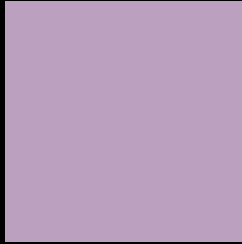
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.5946, 0.3118, 0.2890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

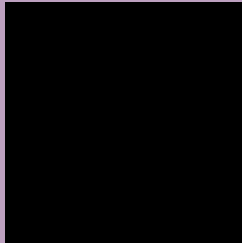
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.5946, 0.3118, 0.2890**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5946, 0.3118, 0.2890.



This preview shows how white text looks on a background with the Yxy color 39.5946, 0.3118, 0.2890.

# 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

39.5946, 0.3118, 0.2890

### Protanopia

39.8833, 0.2867, 0.2911

### Deuteranopia

39.8581, 0.3016, 0.2957






## Tritanopia

39.7286, 0.3238, 0.3131

# Trichromacy

	<b>Original Color</b> 39.5946, 0.3118, 0.2890
	<b>Protanomaly</b> 39.6895, 0.2958, 0.2904
	<b>Deuteranomaly</b> 39.6154, 0.3052, 0.2934
	<b>Tritanomaly</b> 39.7417, 0.3195, 0.3041

# Monochromacy

	<b>Original Color</b> 39.5946, 0.3118, 0.2890
	<b>Achromatopsia</b> 41.2543, 0.3127, 0.3290
	<b>Achromatomaly</b> 40.7249, 0.3125, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5946, 0.3118, 0.2890 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(188, 160, 191) looks like.

```
.text, #text, p{  
    color:rgb(188, 160, 191)  
}
```

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(188, 160, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 160, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5946, 0.3118, 0.2890 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(188, 160, 191) }
```

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

```
.border{ border-color:rgb(188, 160, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 160, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 160, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 160, 191);  
box-shadow:4px 4px 4px 4px rgb(188, 160,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5946, 0.3118, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 160, 191) }
```

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

```
.background{ background-color: rgb(188,  
160, 191) }
```

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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