

# Converting Colors

$Y_{xy}(49.1799, 0.3083, 0.3036)$

Have a look what the booklet for  
Yxy(49.1799, 0.3083, 0.3036)  
contains.

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# Color

**Yxy(49.0478, 0.3089, 0.3033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4B5CA
RGB	196, 181, 202
RGB Percent	77%, 71%, 79%
CMY	0.2313, 0.2902, 0.2078
CMYK	0.03, 0.10, 0.00, 0.21
HSL	283°, 17%, 75%
HSV	283°, 10%, 79%
XYZ	49.9534, 49.0478, 62.7126
YIQ	187.8790, 2.1990, 9.7110

# Conversions

## Conversions Part 2

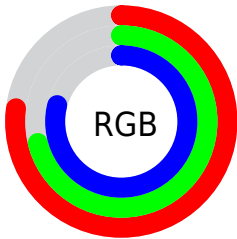
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 181, 202
Decimal	12891594
CIE Lab	75.48, 9.19, -8.68
CIE LCh	75, 12.637, 316.634
Yxy	49.0478, 0.3089, 0.3033
Android (android.graphics.Color)	4291081674 (0xFFC4B5CA)
YUV	187.8790, 6.9617, 7.1221
Hunter-Lab	70.0341, 4.7593, -4.0678

# Details

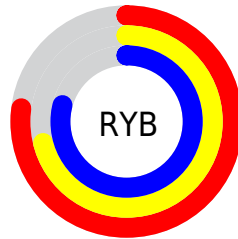
The Yxy color  $49.0478, 0.3089, 0.3033$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $56.1409, 0.3161, 0.3553$ , and the grayscale version is  $50.1784, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.6710, 0.3122, 0.3116$ , and  $23.3272, 0.3074, 0.2961$  is the 20% darker color. If you saturate the color by 10%, you get  $40.6651, 0.3045, 0.2772$ , and if you desaturate by 10%, it is  $58.6553, 0.3126, 0.3280$ .

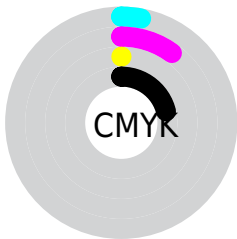
# Distribution



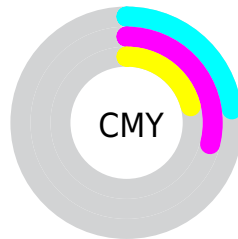
- Red (77%)
- Green (71%)
- Blue (79%)



- Red (77%)
- Yellow (71%)
- Blue (79%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (21%)




- Cyan (23%)
- Magenta (29%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0478, 0.3089, 0.3033 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 49.0478, 0.3089, 0.3033 by changing the saturation by 10% instead.




 49.0478, 0.3089,  
0.3033

 49.0478, 0.3089,  
0.3033


382.9305, 0.3109,  
0.3158

 34.6574, 0.3084,  
0.3003


 88.7624, 0.3096,  
0.3078

 23.3991, 0.3077,  
0.2964


114.8555, 0.3099,  
0.3095

 14.8885, 0.3068,  
0.2914

145.6182, 0.3101,  
0.3109

 8.7411, 0.3055,  
0.2846

181.4349, 0.3103,  
0.3122

 4.5727, 0.3035,  
0.2747

222.6901, 0.3105,  
0.3133

 1.9988, 0.3000,  
0.2593

269.7682, 0.3106,

 0.6068, 0.2958,

0.3142

0.2241

323.0535, 0.3108,  
0.3151

0.0000, 0.0000,  
0.0000

49.0478, 0.3089,  
0.3033

49.0478, 0.3089,  
0.3033

40.6651, 0.3045,  
0.2772

58.6553, 0.3126,  
0.3280

33.4496, 0.2993,  
0.2502

69.5295, 0.3156,  
0.3511

27.3483, 0.2934,  
0.2231

81.7183, 0.3181,  
0.3723

22.3017, 0.2867,  
0.1969

90.8497, 0.3206,  
0.3851

18.2445, 0.2795,  
0.1728

91.7577, 0.3243,  
0.3844

■ 15.1041, 0.2719,  
0.1517

■ 92.6969, 0.3280,  
0.3838

■ 12.7977, 0.2642,  
0.1349

■ 93.6675, 0.3318,  
0.3832

■ 11.2272, 0.2565,  
0.1227

■ 94.6698, 0.3356,  
0.3825

■ 10.2362, 0.2495,  
0.1148

■ 95.7042, 0.3394,  
0.3818

# Harmonies

## Analogous

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



49.0478, 0.2928, 0.2997



49.0478, 0.3089, 0.3033



49.0478, 0.3264, 0.3132

# Triad

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



49.0478, 0.3089, 0.3033



49.0478, 0.3439, 0.3539



49.0478, 0.2856, 0.3299

# Complementary

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



49.0478, 0.3089, 0.3033



56.1409, 0.3161, 0.3553

# 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.



49.0478, 0.2987, 0.3456



49.0478, 0.3089, 0.3033



49.0478, 0.3324, 0.3595

# Square

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



49.0478, 0.3089, 0.3033



49.0478, 0.3470, 0.3420



49.0478, 0.3158, 0.3566



49.0478, 0.2796, 0.3145



# Rectangle

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



49.0478, 0.3089, 0.3033



49.0478, 0.3365, 0.3223



49.0478, 0.3158, 0.3566



49.0478, 0.2893, 0.3354

# Sweetspot

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



49.0499, 0.3089, 0.3033



94.8049, 0.3117, 0.3217



49.7558, 0.2967, 0.3104



20.0021, 0.3114, 0.3197



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.



49.0499, 0.3089, 0.3033



80.3910, 0.3082, 0.2988



49.6720, 0.3172, 0.3087



11.2370, 0.3093, 0.3058



6.6337, 0.2505, 0.1153



0.3795, 0.2647, 0.1232



# Inverse Universe

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



49.1910, 0.3260, 0.3217



80.6763, 0.3286, 0.3204



55.5772, 0.3085, 0.3502



11.2653, 0.3246, 0.3224



8.2869, 0.5796, 0.2966

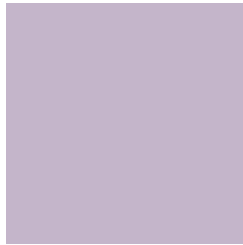


0.4408, 0.5225, 0.2652



# Previews

## White Background



This preview shows how the Yxy color 49.0478, 0.3089, 0.3033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

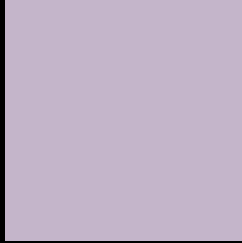
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0478, 0.3089, 0.3033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

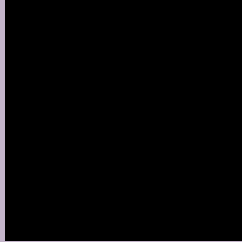
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.0478, 0.3089, 0.3033**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0478, 0.3089, 0.3033.



This preview shows how white text looks on a background with the Yxy color 49.0478, 0.3089, 0.3033.

# 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

49.0478, 0.3089, 0.3033

### Protanopia

49.2479, 0.2976, 0.3052

### Deuteranopia

49.1823, 0.3097, 0.3034



## Tritanopia

49.0435, 0.3127, 0.3117

# Trichromacy



## Original Color

49.0478, 0.3089, 0.3033

## Protanomaly

49.2841, 0.3015, 0.3054

## Deuteranomaly

49.1823, 0.3097, 0.3034

## Tritanomaly

49.1352, 0.3111, 0.3093

# Monochromacy



## Original Color

49.0478, 0.3089, 0.3033

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.6245, 0.3115, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0478, 0.3089, 0.3033 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(196, 181, 202)` looks like.

```
.text, #text, p{  
    color:rgb(196, 181, 202)  
}
```

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(196, 181, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 181, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0478, 0.3089, 0.3033 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(196, 181, 202) }
```

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

```
.border{ border-color:rgb(196, 181, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 181, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 181, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 181, 202);  
box-shadow:4px 4px 4px 4px rgb(196, 181,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0478, 0.3089, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 181, 202) }
```

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

```
.background{ background-color: rgb(196,  
181, 202) }
```

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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