

Converting Colors

$Y_{xy}(49.6204, 0.3122, 0.3046)$

Have a look what the booklet for
Yxy(49.6204, 0.3122, 0.3046)
contains.

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Color

Yxy(49.4069, 0.3122, 0.3047)

Conversions

Conversions Part 1

Format	Color
Hex	C7B5C9
RGB	199, 181, 201
RGB Percent	78%, 71%, 79%
CMY	0.2195, 0.2902, 0.2118
CMYK	0.01, 0.10, 0.00, 0.21
HSL	294°, 16%, 75%
HSV	294°, 10%, 79%
XYZ	50.6230, 49.4069, 62.1194
YIQ	188.6620, 4.3080, 10.0360

Conversions

Conversions Part 2

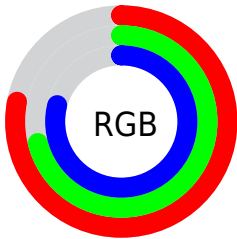
Format	Color
R _Y B	199, 181, 201
Decimal	13088201
CIE Lab	75.70, 10.02, -7.77
CIE LCh	76, 12.679, 322.225
Yxy	49.4069, 0.3122, 0.3047
Android (android.graphics.Color)	4291278281 (0xFFC7B5C9)
YUV	188.6620, 6.0826, 9.0664
Hunter-Lab	70.2900, 5.5485, -3.1950

Details

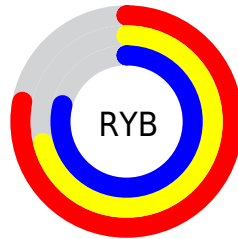
The Yxy color **49.4069, 0.3122, 0.3047** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.1673, 0.3131, 0.3543**, and the grayscale version is **50.6509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **23.5647, 0.3119, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **41.5480, 0.3114, 0.2794**, and if you desaturate by 10%, it is **58.4527, 0.3127, 0.3291**.

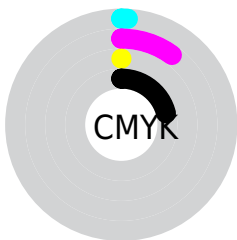
Distribution



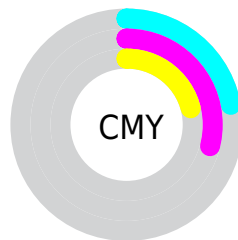
- Red (78%)
- Green (71%)
- Blue (79%)



- Red (78%)
- Yellow (71%)
- Blue (79%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (21%)





- Cyan (22%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4069, 0.3122, 0.3047 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 49.4069, 0.3122, 0.3047 by changing the saturation by 10% instead.


 49.4069, 0.3122,
0.3047

 49.4069, 0.3122,
0.3047


384.3420, 0.3125,
0.3165

 34.9424, 0.3121,
0.3018


 89.2955, 0.3123,
0.3089

 23.6185, 0.3119,
0.2982


115.4883, 0.3124,
0.3105

 15.0509, 0.3117,
0.2935


146.3594, 0.3124,
0.3119

 8.8551, 0.3113,
0.2871

182.2931, 0.3125,
0.3131

 4.6468, 0.3107,
0.2778

223.6738, 0.3125,
0.3141

 2.0415, 0.3095,
0.2633

270.8859, 0.3125,


 0.6314, 0.3092,


0.3150


0.2311

324.3139, 0.3125,
0.3158


 0.0000, 0.0000,
0.0000

 49.4069, 0.3122,
0.3047


 49.4069, 0.3122,
0.3047


 41.5480, 0.3114,
0.2794


 58.4527, 0.3127,
0.3291


 34.8192, 0.3104,
0.2540


 68.7263, 0.3130,
0.3523

 29.1690, 0.3091,
0.2291

 80.2743, 0.3132,
0.3738

 24.5389, 0.3075,
0.2057

 88.9916, 0.3136,
0.3875

 20.8652, 0.3056,
0.1850

 89.2778, 0.3148,
0.3873

■ 18.0769, 0.3034,
0.1677

■ 89.5677, 0.3161,
0.3871

■ 16.0930, 0.3011,
0.1545

■ 89.8611, 0.3173,
0.3869

■ 14.8180, 0.2987,
0.1457

■ 90.1582, 0.3185,
0.3867

■ 14.0717, 0.2962,
0.1405

■ 90.4588, 0.3198,
0.3864

Harmonies

Analogous

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



49.4069, 0.2955, 0.2998



49.4069, 0.3122, 0.3047



49.4069, 0.3295, 0.3156

Triad

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



49.4069, 0.3122, 0.3047



49.4069, 0.3424, 0.3556



49.4069, 0.2838, 0.3269

Complementary

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



49.4069, 0.3122, 0.3047



55.1673, 0.3131, 0.3543

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.



49.4069, 0.2958, 0.3429



49.4069, 0.3122, 0.3047



49.4069, 0.3296, 0.3597

Square

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



49.4069, 0.3122, 0.3047



49.4069, 0.3472, 0.3446



49.4069, 0.3125, 0.3551



49.4069, 0.2794, 0.3120

Rectangle

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



49.4069, 0.3122, 0.3047



49.4069, 0.3389, 0.3250



49.4069, 0.3125, 0.3551



49.4069, 0.2871, 0.3323

Sweetspot

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



49.4090, 0.3122, 0.3047



95.0734, 0.3126, 0.3217



47.9060, 0.2974, 0.3061



20.0748, 0.3125, 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.



49.4090, 0.3122, 0.3047



81.4405, 0.3121, 0.2991



49.3131, 0.3202, 0.3144



10.7616, 0.3122, 0.3061



8.8690, 0.2965, 0.1407



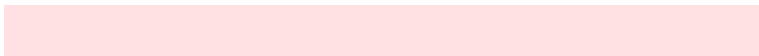
0.4357, 0.3019, 0.1437

Inverse Universe

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



48.8805, 0.3284, 0.3266



80.3552, 0.3324, 0.3261



55.2658, 0.3059, 0.3441



10.6536, 0.3274, 0.3268



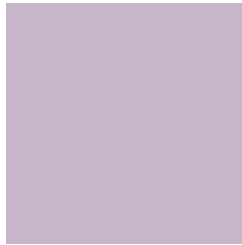
7.8452, 0.6275, 0.3230



0.3774, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 49.4069, 0.3122, 0.3047 looks on a white background.

Color Contrast Check

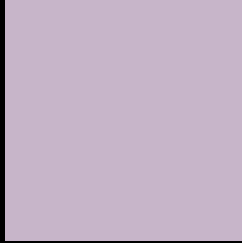
Large Text (above 18pt) WCAG AA × Fail

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 49.4069, 0.3122, 0.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

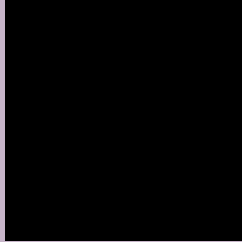
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4069, 0.3122, 0.3047

Background



This preview shows how black text looks on a background with the Yxy color 49.4069, 0.3122, 0.3047.



This preview shows how white text looks on a background with the Yxy color 49.4069, 0.3122, 0.3047.

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

49.4069, 0.3122, 0.3047

Protanopia

49.3718, 0.2984, 0.3053

Deuteranopia

49.2706, 0.3113, 0.3046



Tritanopia

49.4472, 0.3152, 0.3118

Trichromacy



Original Color

49.4069, 0.3122, 0.3047

Protanomaly

49.5399, 0.3031, 0.3055

Deuteranomaly

49.2706, 0.3113, 0.3046

Tritanomaly

49.5389, 0.3136, 0.3094

Monochromacy



Original Color

49.4069, 0.3122, 0.3047

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.3055, 0.3131, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4069, 0.3122, 0.3047 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(199, 181, 201)` looks like.

```
.text, #text, p{  
    color:rgb(199, 181, 201)  
}
```

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(199, 181, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 181, 201) }
```

Border

The CSS property to change the border of an element to Yxy 49.4069, 0.3122, 0.3047 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(199, 181, 201) }
```

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

```
.border{ border-color:rgb(199, 181, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 181, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 181, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 181, 201);  
box-shadow:4px 4px 4px 4px rgb(199, 181,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4069, 0.3122, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 181, 201) }
```

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

```
.background{ background-color: rgb(199,  
181, 201) }
```

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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