

# Converting Colors

$Yxy(49.6212, 0.3587, 0.3424)$

Have a look what the booklet for  
Yxy(49.6212, 0.3587, 0.3424)  
contains.

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# Color

**Yxy(49.6909, 0.3589, 0.3422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBB2A7
RGB	219, 178, 167
RGB Percent	86%, 70%, 65%
CMY	0.1411, 0.3020, 0.3451
CMYK	0.00, 0.19, 0.24, 0.14
HSL	13°, 42%, 76%
HSV	13°, 24%, 86%
XYZ	52.1159, 49.6909, 43.4033
YIQ	189.0050, 27.9670, 5.2710

# Conversions

## Conversions Part 2

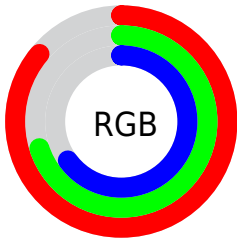
Format	Color
R <sub>Y</sub> B	219, 181, 167
Decimal	14398119
CIE Lab	75.88, 13.21, 11.22
CIE LCh	76, 17.333, 40.340
Yxy	49.6909, 0.3589, 0.3422
Android (android.graphics.Color)	4292588199 (0xFFDDBB2A7)
YUV	189.0050, -10.8485, 26.3056
Hunter-Lab	70.4918, 8.6078, 12.8381

# Details

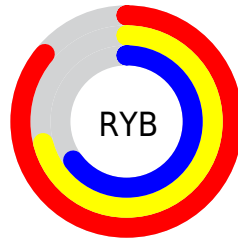
The Yxy color **49.6909, 0.3589, 0.3422** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **58.4627, 0.2767, 0.3154**, and the grayscale version is **50.9457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3796, 0.3349, 0.3410**, and **23.6916, 0.3718, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **42.5035, 0.3853, 0.3481**, and if you desaturate by 10%, it is **57.8858, 0.3369, 0.3364**.

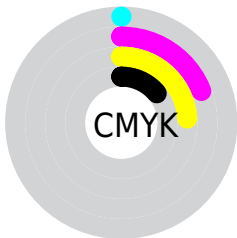
# Distribution



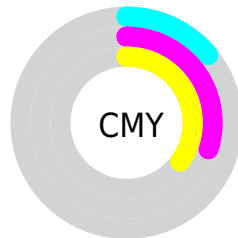
- Red (86%)
- Green (70%)
- Blue (65%)



- Red (86%)
- Yellow (71%)
- Blue (65%)



- Cyan (0%)
- Magenta (19%)
- Yellow (24%)
- Black (14%)




- Cyan (14%)
- Magenta (30%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6909, 0.3589, 0.3422 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 49.6909, 0.3589, 0.3422 by changing the saturation by 10% instead.




 49.6909, 0.3589,  
0.3422


 49.6909, 0.3589,  
0.3422


385.4559, 0.3359,  
0.3361

 35.1679, 0.3646,  
0.3436


 89.7167, 0.3505,  
0.3401

 23.7922, 0.3720,  
0.3453


 115.9883, 0.3474,  
0.3393

 15.1796, 0.3817,  
0.3473


146.9449, 0.3447,  
0.3386

 8.9455, 0.3951,  
0.3500

182.9708, 0.3425,  
0.3379

 4.7056, 0.4150,  
0.3533

224.4504, 0.3405,  
0.3374

 2.0756, 0.4470,  
0.3571

271.7683, 0.3388,

 0.6509, 0.5922,

0.3369

0.4078

325.3086, 0.3372,  
0.3365

0.0000, 0.0000,  
0.0000

49.6909, 0.3589,  
0.3422

49.6909, 0.3589,  
0.3422

42.5035, 0.3853,  
0.3481

57.8858, 0.3369,  
0.3364

36.2778, 0.4165,  
0.3538

67.1183, 0.3187,  
0.3310

30.9745, 0.4524,  
0.3587

77.4254, 0.3036,  
0.3259

26.5491, 0.4923,  
0.3620

88.8406, 0.2911,  
0.3213

22.9530, 0.5334,  
0.3626

93.8051, 0.2912,  
0.3289

■ 20.1328, 0.5718,  
0.3597

■ 18.0284, 0.6026,  
0.3531

■ 17.0406, 0.6172,  
0.3481

# Harmonies

## Analogous

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



49.6909, 0.3474, 0.3221



49.6909, 0.3589, 0.3422



49.6909, 0.3574, 0.3599

# Triad

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



49.6909, 0.3589, 0.3422



49.6909, 0.2980, 0.3558



49.6909, 0.2818, 0.2896

# Complementary

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



49.6909, 0.3589, 0.3422



58.4627, 0.2767, 0.3154

# 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.



49.6909, 0.2697, 0.2967



49.6909, 0.3589, 0.3422



49.6909, 0.2788, 0.3348

# Square

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



49.6909, 0.3589, 0.3422



49.6909, 0.3217, 0.3689



49.6909, 0.2687, 0.3129



49.6909, 0.3024, 0.2926



# Rectangle

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



49.6909, 0.3589, 0.3422



49.6909, 0.3493, 0.3678



49.6909, 0.2687, 0.3129



49.6909, 0.2767, 0.2909

# Sweetspot

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



49.6932, 0.3589, 0.3422



90.2471, 0.3244, 0.3327



47.2876, 0.3242, 0.2813



19.1441, 0.3254, 0.3330



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.



49.6932, 0.3589, 0.3422



64.3826, 0.3728, 0.3455



60.7669, 0.3523, 0.3713



13.4951, 0.3286, 0.3340



10.2304, 0.6149, 0.3500



0.7890, 0.5834, 0.3750



# Inverse Universe

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



58.4627, 0.2767, 0.3154



79.0036, 0.2688, 0.3118



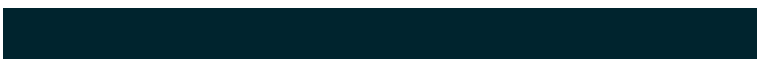
47.0380, 0.2740, 0.2828



14.3382, 0.2982, 0.3239



20.8575, 0.2055, 0.2599



1.4705, 0.2090, 0.2724



# Previews

## White Background



This preview shows how the Yxy color 49.6909, 0.3589, 0.3422 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 49.6909, 0.3589, 0.3422 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 49.6909, 0.3589, 0.3422**

## Background



This preview shows how black text looks on a background with the Yxy color 49.6909, 0.3589, 0.3422.



This preview shows how white text looks on a background with the Yxy color 49.6909, 0.3589, 0.3422.

# 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

49.6909, 0.3589, 0.3422

### Protanopia

49.9885, 0.3305, 0.3480

### Deuteranopia

49.5787, 0.3529, 0.3448



## Tritanopia

49.8204, 0.3437, 0.3140

# Trichromacy



## Original Color

49.6909, 0.3589, 0.3422

## Protanomaly

49.8798, 0.3405, 0.3464

## Deuteranomaly

49.4773, 0.3550, 0.3436

## Tritanomaly

49.7181, 0.3496, 0.3244

# Monochromacy



## Original Color

49.6909, 0.3589, 0.3422

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

50.3135, 0.3287, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6909, 0.3589, 0.3422 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(219, 178, 167)` looks like.

```
.text, #text, p{  
    color:rgb(219, 178, 167)  
}
```

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(219, 178, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 178, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6909, 0.3589, 0.3422 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(219, 178, 167) }
```

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

```
.border{ border-color:rgb(219, 178, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 178, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 178, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 178, 167);  
box-shadow:4px 4px 4px 4px rgb(219, 178,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6909, 0.3589, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 178, 167) }
```

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

```
.background{ background-color: rgb(219,  
178, 167) }
```

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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