

# Converting Colors

$Yxy(49.8872, 0.3814, 0.3949)$

Have a look what the booklet for  
Yxy(49.8872, 0.3814, 0.3949)  
contains.

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# Color

**Yxy(49.7416, 0.3813, 0.3949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3B882
RGB	211, 184, 130
RGB Percent	83%, 72%, 51%
CMY	0.1726, 0.2784, 0.4902
CMYK	0.00, 0.13, 0.38, 0.17
HSL	40°, 48%, 67%
HSV	40°, 38%, 83%
XYZ	48.0285, 49.7416, 28.1898
YIQ	185.9170, 33.4260, -11.0700

# Conversions

## Conversions Part 2

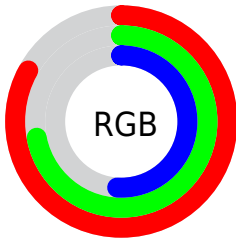
Format	Color
<a href="#">RYB</a>	<a href="#">171, 211, 130</a>
Decimal	<a href="#">13875330</a>
CIELab	<a href="#">75.91, 2.09, 31.00</a>
CIELCh	<a href="#">76, 31.066, 86.150</a>
Yxy	<a href="#">49.7416, 0.3813, 0.3949</a>
Android (android.graphics.Color)	<a href="#">4292065410 (0xFFD3B882)</a>
YUV	<a href="#">185.9170, -27.5671, 21.9978</a>
Hunter-Lab	<a href="#">70.5277, -1.8671, 25.6713</a>

# Details

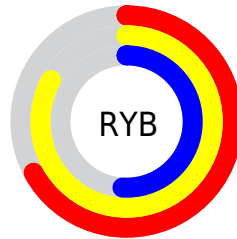
The Yxy color **49.7416, 0.3813, 0.3949** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.5503, 0.2484, 0.2524**, and the grayscale version is **49.1972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9991, 0.3593, 0.3862**, and **23.7803, 0.3992, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **46.3874, 0.4021, 0.4115**, and if you desaturate by 10%, it is **53.3615, 0.3614, 0.3774**.

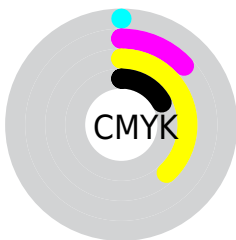
# Distribution



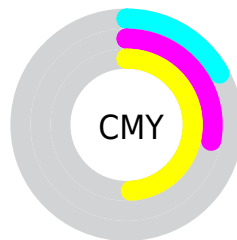
- Red (83%)
- Green (72%)
- Blue (51%)



- Red (67%)
- Yellow (83%)
- Blue (51%)



- Cyan (0%)
- Magenta (13%)
- Yellow (38%)
- Black (17%)




- Cyan (17%)
- Magenta (28%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7416, 0.3813, 0.3949 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 49.7416, 0.3813, 0.3949 by changing the saturation by 10% instead.





 49.7416, 0.3813,  
0.3949

 49.7416, 0.3813,  
0.3949


385.6546, 0.3478,  
0.3630

 35.2081, 0.3893,  
0.4024


 89.7919, 0.3694,  
0.3836

 23.8232, 0.3992,  
0.4117


 116.0775, 0.3648,  
0.3793

 15.2026, 0.4119,  
0.4234


 147.0493, 0.3609,  
0.3756

 8.9617, 0.4284,  
0.4383

183.0917, 0.3576,  
0.3724

 4.7162, 0.4499,  
0.4573

224.5890, 0.3546,  
0.3696

 2.0817, 0.4986,  
0.5014

271.9256, 0.3521,

 0.6543, 0.5070,

0.3671

0.4930

325.4860, 0.3498,  
0.3649

0.0000, 0.0000,  
0.0000

49.7416, 0.3813,  
0.3949

49.7416, 0.3813,  
0.3949

46.3874, 0.4021,  
0.4115

53.3615, 0.3614,  
0.3774

43.2828, 0.4233,  
0.4263

57.2488, 0.3428,  
0.3599

40.4200, 0.4438,  
0.4380


61.4138, 0.3257,  
0.3427

37.7878, 0.4626,  
0.4457

65.8641, 0.3103,  
0.3264

35.3735, 0.4788,  
0.4486


70.6071, 0.2965,  
0.3111

 33.1586, 0.4919,  
0.4465

 75.5466, 0.2851,  
0.2985

 32.8144, 0.4939,  
0.4460

 79.4495, 0.2855,  
0.3061

 83.5107, 0.2858,  
0.3135

 87.7321, 0.2862,  
0.3209

# Harmonies

## Analogous

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



49.7416, 0.3973, 0.3677



49.7416, 0.3813, 0.3949



49.7416, 0.3470, 0.4058

# Triad

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



49.7416, 0.3813, 0.3949



49.7416, 0.2417, 0.3165



49.7416, 0.3160, 0.2751

# Complementary

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



49.7416, 0.3813, 0.3949



33.5503, 0.2484, 0.2524

# 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.



49.7416, 0.2753, 0.2616



49.7416, 0.3813, 0.3949



49.7416, 0.2346, 0.2822

# Square

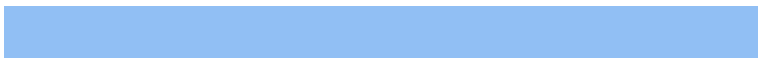
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.7416, 0.3813, 0.3949



49.7416, 0.2667, 0.3583



49.7416, 0.2464, 0.2634



49.7416, 0.3585, 0.3009



# Rectangle

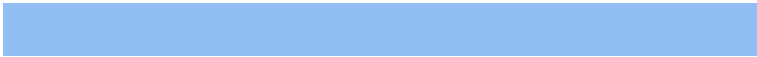
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.7416, 0.3813, 0.3949



49.7416, 0.3192, 0.3999



49.7416, 0.2464, 0.2634



49.7416, 0.3016, 0.2691

# Sweetspot

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



49.7439, 0.3813, 0.3949



91.8542, 0.3319, 0.3491



32.2458, 0.3750, 0.2955



19.4791, 0.3342, 0.3513



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.



49.7439, 0.3813, 0.3949



72.1687, 0.3982, 0.4085



60.1230, 0.3588, 0.4274



13.1067, 0.3274, 0.3445



20.0039, 0.4925, 0.4471



1.2611, 0.4758, 0.4604



# Inverse Universe

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



33.5503, 0.2484, 0.2524



43.9462, 0.2338, 0.2327



26.5528, 0.2537, 0.2162



12.0517, 0.2982, 0.3131



5.6704, 0.1636, 0.1090

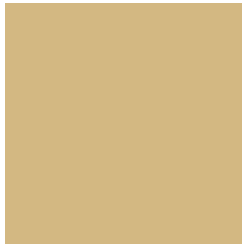


0.4617, 0.1741, 0.1466



# Previews

## White Background



This preview shows how the Yxy color 49.7416, 0.3813, 0.3949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

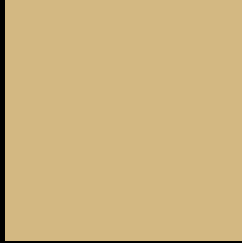
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.7416, 0.3813, 0.3949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

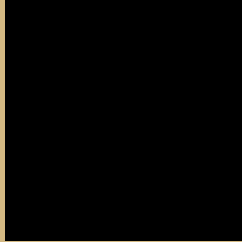
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.7416, 0.3813, 0.3949**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.7416, 0.3813, 0.3949.



This preview shows how white text looks on a background with the Yxy color 49.7416, 0.3813, 0.3949.

# 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

49.7416, 0.3813, 0.3949

### Protanopia

49.7359, 0.3710, 0.3992

### Deuteranopia

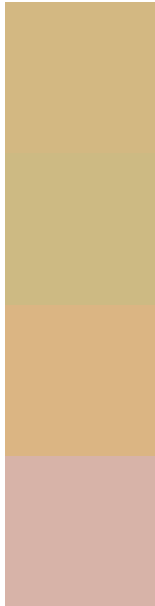
49.5669, 0.3939, 0.3855



## Tritanopia

49.5201, 0.3373, 0.3126

# Trichromacy



## Original Color

49.7416, 0.3813, 0.3949

## Protanomaly

49.7356, 0.3741, 0.3973

## Deuteranomaly

49.7465, 0.3892, 0.3886

## Tritanomaly

49.5144, 0.3541, 0.3424

# Monochromacy



## Original Color

49.7416, 0.3813, 0.3949

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.0532, 0.3366, 0.3532

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.7416, 0.3813, 0.3949 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(211, 184, 130)` looks like.

```
.text, #text, p{  
    color:rgb(211, 184, 130)  
}
```

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(211, 184, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 184, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 49.7416, 0.3813, 0.3949 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(211, 184, 130) }
```

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

```
.border{ border-color:rgb(211, 184, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 184, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 184, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 184, 130);  
box-shadow:4px 4px 4px 4px rgb(211, 184,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.7416, 0.3813, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 184, 130) }
```

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

```
.background{ background-color: rgb(211,  
184, 130) }
```

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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