

# Converting Colors

$Yxy(49.6605, 0.3850, 0.4086)$

Have a look what the booklet for  
Yxy(49.6605, 0.3850, 0.4086)  
contains.

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# Color

**Yxy(49.9082, 0.3849, 0.4085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0BA79
RGB	208, 186, 121
RGB Percent	82%, 73%, 47%
CMY	0.1843, 0.2706, 0.5255
CMYK	0.00, 0.11, 0.42, 0.18
HSL	45°, 48%, 65%
HSV	45°, 42%, 82%
XYZ	47.0249, 49.9082, 25.2412
YIQ	185.1680, 33.9770, -15.5510

# Conversions

## Conversions Part 2

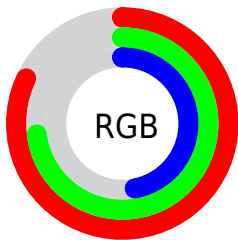
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 208, 121
Decimal	13679225
CIELab	76.01, -1.15, 35.78
CIElCh	76, 35.801, 91.840
Yxy	49.9082, 0.3849, 0.4085
Android (android.graphics.Color)	4291869305 (0xFFD0BA79)
YUV	185.1680, -31.6348, 20.0237
Hunter-Lab	70.6457, -4.8126, 28.2681

# Details

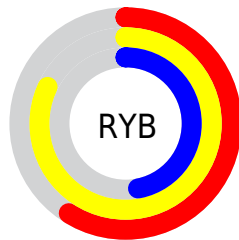
The Yxy color **49.9082, 0.3849, 0.4085** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.2657, 0.2405, 0.2337**, and the grayscale version is **48.7811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8203, 0.3645, 0.3970**, and **23.9054, 0.4030, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **47.2776, 0.4038, 0.4261**, and if you desaturate by 10%, it is **52.7351, 0.3662, 0.3895**.

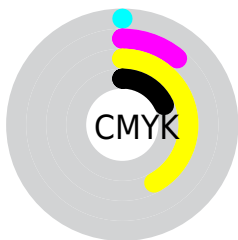
# Distribution



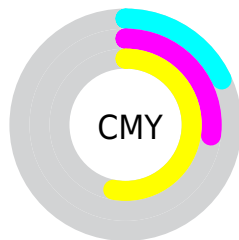
- Red (82%)
- Green (73%)
- Blue (47%)



- Red (59%)
- Yellow (82%)
- Blue (47%)



- Cyan (0%)
- Magenta (11%)
- Yellow (42%)
- Black (18%)




- Cyan (18%)
- Magenta (27%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9082, 0.3849, 0.4085 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 49.9082, 0.3849, 0.4085 by changing the saturation by 10% instead.





 49.9082, 0.3849,  
0.4085

 49.9082, 0.3849,  
0.4085


386.3068, 0.3500,  
0.3699


 35.3405, 0.3930,  
0.4175


 90.0388, 0.3726,  
0.3949

 23.9253, 0.4030,  
0.4287


 116.3705, 0.3679,  
0.3896

 15.2782, 0.4154,  
0.4427


 147.3924, 0.3638,  
0.3851

 9.0149, 0.4308,  
0.4603

183.4887, 0.3603,  
0.3812

 4.7509, 0.4514,  
0.4840

225.0439, 0.3573,  
0.3779

 2.1018, 0.4810,  
0.5190

272.4424, 0.3546,

 0.6657, 0.4760,

0.3749

0.5240

326.0686, 0.3522,  
0.3722

0.0000, 0.0000,  
0.0000

49.9082, 0.3849,  
0.4085

49.9082, 0.3849,  
0.4085

47.2776, 0.4038,  
0.4261

52.7351, 0.3662,  
0.3895

44.8283, 0.4221,  
0.4414

55.7587, 0.3481,  
0.3701

42.5539, 0.4389,  
0.4532

58.9883, 0.3311,  
0.3508

40.4442, 0.4535,  
0.4608

62.4301, 0.3154,  
0.3323

38.4874, 0.4652,  
0.4635

66.0902, 0.3011,  
0.3148

■ 36.9865, 0.4729,  
0.4627

■ 69.9744, 0.2882,  
0.2984

■ 73.3182, 0.2830,  
0.2947

■ 76.1710, 0.2833,  
0.3004

■ 79.1120, 0.2837,  
0.3061

# Harmonies

## Analogous

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



49.9082, 0.4085, 0.3792



49.9082, 0.3849, 0.4085



49.9082, 0.3427, 0.4174

# Triad

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



49.9082, 0.3849, 0.4085



49.9082, 0.2285, 0.3054



49.9082, 0.3258, 0.2724

# Complementary

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



49.9082, 0.3849, 0.4085



28.2657, 0.2405, 0.2337

# 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.



49.9082, 0.2777, 0.2541



49.9082, 0.3849, 0.4085



49.9082, 0.2248, 0.2695

# Square

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



49.9082, 0.3849, 0.4085



49.9082, 0.2530, 0.3536



49.9082, 0.2419, 0.2523



49.9082, 0.3736, 0.3033



# Rectangle

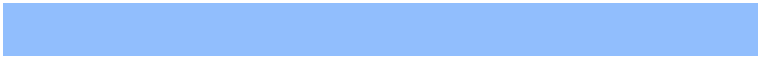
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9082, 0.3849, 0.4085



49.9082, 0.3103, 0.4072



49.9082, 0.2419, 0.2523



49.9082, 0.3090, 0.2647

# Sweetspot

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



49.9105, 0.3849, 0.4085



92.8120, 0.3333, 0.3534



29.1047, 0.3904, 0.2998



19.6168, 0.3370, 0.3576



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.



49.9105, 0.3849, 0.4085



75.4465, 0.4014, 0.4241



57.1529, 0.3577, 0.4380



13.2701, 0.3272, 0.3463



23.2101, 0.4720, 0.4634



1.4203, 0.4603, 0.4727



# Inverse Universe

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



28.2657, 0.2405, 0.2337



36.8260, 0.2241, 0.2094



23.9168, 0.2524, 0.2063



11.8967, 0.2982, 0.3111



4.5351, 0.1585, 0.0905



0.3827, 0.1686, 0.1268



# Previews

## White Background



This preview shows how the Yxy color 49.9082, 0.3849, 0.4085 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

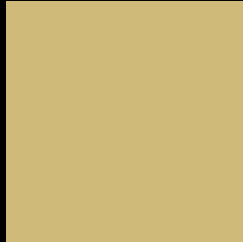
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.9082, 0.3849, 0.4085 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

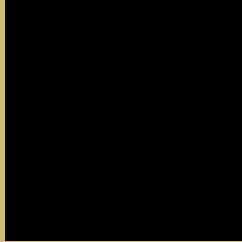
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.9082, 0.3849, 0.4085**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.9082, 0.3849, 0.4085.

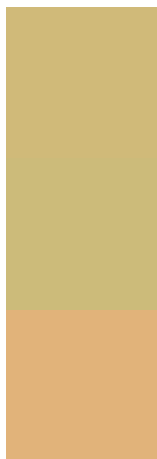


This preview shows how white text looks on a background with the Yxy color 49.9082, 0.3849, 0.4085.

# 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

49.9082, 0.3849, 0.4085

### Protanopia

49.7832, 0.3800, 0.4096

### Deuteranopia

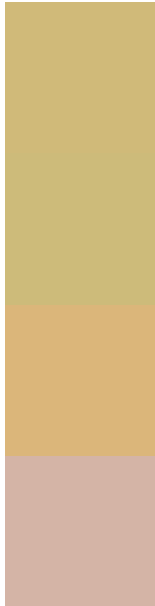
49.6529, 0.4033, 0.3951



## Tritanopia

49.6529, 0.3345, 0.3125

# Trichromacy



## Original Color

49.9082, 0.3849, 0.4085

## Protanomaly

49.9249, 0.3809, 0.4093

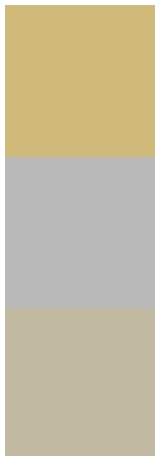
## Deuteranomaly

49.9211, 0.3962, 0.4000

## Tritanomaly

49.3927, 0.3529, 0.3461

# Monochromacy



## Original Color

49.9082, 0.3849, 0.4085

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.6440, 0.3381, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9082, 0.3849, 0.4085 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(208, 186, 121)` looks like.

```
.text, #text, p{  
    color:rgb(208, 186, 121)  
}
```

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(208, 186, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 186, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9082, 0.3849, 0.4085 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(208, 186, 121) }
```

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

```
.border{ border-color:rgb(208, 186, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 186, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 186, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 186, 121);  
box-shadow:4px 4px 4px 4px rgb(208, 186,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9082, 0.3849, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 186, 121) }
```

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

```
.background{ background-color: rgb(208,  
186, 121) }
```

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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