

# Converting Colors

$Y_{xy}(49.5834, 0.4001, 0.4080)$

Have a look what the booklet for  
Yxy(49.5834, 0.4001, 0.4080)  
contains.

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# Color

**Yxy(49.4454, 0.4000, 0.4083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B673
RGB	217, 182, 115
RGB Percent	85%, 71%, 45%
CMY	0.1490, 0.2863, 0.5490
CMYK	0.00, 0.16, 0.47, 0.15
HSL	39°, 57%, 65%
HSV	39°, 47%, 85%
XYZ	48.4403, 49.4454, 23.2150
YIQ	184.8270, 42.3670, -13.4170

# Conversions

## Conversions Part 2

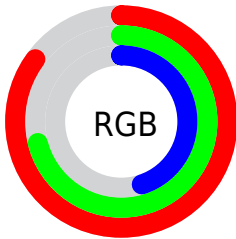
Format	Color
<a href="#">RYB</a>	<a href="#">168, 217, 115</a>
Decimal	<a href="#">14268019</a>
CIELab	<a href="#">75.73, 4.01, 38.67</a>
CIELCh	<a href="#">76, 38.877, 84.082</a>
Yxy	<a href="#">49.4454, 0.4000, 0.4083</a>
Android (android.graphics.Color)	<a href="#">4292458099 (0xFFD9B673)</a>
YUV	<a href="#">184.8270, -34.4247, 28.2157</a>
Hunter-Lab	<a href="#">70.3174, -0.0904, 29.6479</a>

# Details

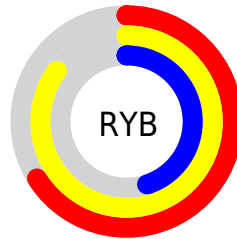
The Yxy color **49.4454, 0.4000, 0.4083** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.4763, 0.2330, 0.2328**, and the grayscale version is **48.5942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2362, 0.3695, 0.3993**, and **23.5558, 0.4223, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **46.0352, 0.4215, 0.4232**, and if you desaturate by 10%, it is **53.1401, 0.3790, 0.3917**.

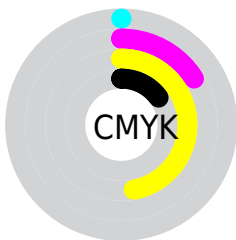
# Distribution



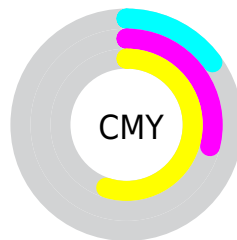
- Red (85%)
- Green (71%)
- Blue (45%)



- Red (66%)
- Yellow (85%)
- Blue (45%)



- Cyan (0%)
- Magenta (16%)
- Yellow (47%)
- Black (15%)



- Cyan (15%)
- Magenta (29%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4454, 0.4000, 0.4083 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 49.4454, 0.4000, 0.4083 by changing the saturation by 10% instead.





 49.4454, 0.4000,  
0.4083

 49.4454, 0.4000,  
0.4083


384.4931, 0.3577,  
0.3706


 34.9729, 0.4098,  
0.4168


 89.3526, 0.3851,  
0.3952

 23.6420, 0.4219,  
0.4271


 115.5561, 0.3793,  
0.3901

 15.0683, 0.4369,  
0.4396


 146.4388, 0.3744,  
0.3857

 8.8673, 0.4556,  
0.4544

182.3850, 0.3701,  
0.3819

 4.6547, 0.4833,  
0.4760

223.7792, 0.3664,  
0.3785

 2.0461, 0.5090,  
0.4910

271.0056, 0.3631,

 0.6341, 0.5249,

0.3756

0.4751

324.4488, 0.3602,  
0.3729

0.0000, 0.0000,  
0.0000

49.4454, 0.4000,  
0.4083

49.4454, 0.4000,  
0.4083

46.0352, 0.4215,  
0.4232

53.1401, 0.3790,  
0.3917

42.8917, 0.4425,  
0.4352

57.1224, 0.3590,  
0.3744

40.0052, 0.4621,  
0.4433

61.4039, 0.3405,  
0.3571

37.3619, 0.4792,  
0.4466

65.9933, 0.3236,  
0.3403

34.9447, 0.4930,  
0.4447

70.8990, 0.3083,  
0.3243

■ 34.2554, 0.4969,  
0.4436

■ 76.1289, 0.2947,  
0.3094

■ 80.8985, 0.2892,  
0.3073

■ 85.2327, 0.2895,  
0.3151

■ 89.7473, 0.2898,  
0.3228

# Harmonies

## Analogous

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



49.4454, 0.4190, 0.3726



49.4454, 0.4000, 0.4083



49.4454, 0.3579, 0.4258

# Triad

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



49.4454, 0.4000, 0.4083



49.4454, 0.2263, 0.3157



49.4454, 0.3125, 0.2613

# Complementary

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



49.4454, 0.4000, 0.4083



30.4763, 0.2330, 0.2328

# 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.



49.4454, 0.2629, 0.2458



49.4454, 0.4000, 0.4083



49.4454, 0.2166, 0.2723

# Square

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



49.4454, 0.4000, 0.4083



49.4454, 0.2579, 0.3695



49.4454, 0.2293, 0.2487



49.4454, 0.3665, 0.2914



# Rectangle

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



49.4454, 0.4000, 0.4083



49.4454, 0.3234, 0.4208



49.4454, 0.2293, 0.2487



49.4454, 0.2948, 0.2543

# Sweetspot

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



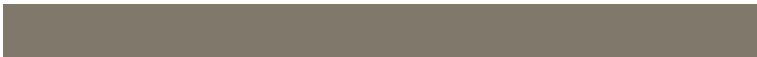
49.4477, 0.4000, 0.4083



90.3399, 0.3354, 0.3522



29.2434, 0.3943, 0.2860



19.0350, 0.3392, 0.3559



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.



49.4477, 0.4000, 0.4083



66.5705, 0.4204, 0.4225



63.3842, 0.3694, 0.4486



14.4721, 0.3275, 0.3443



20.9383, 0.4955, 0.4448



1.5145, 0.4800, 0.4571



# Inverse Universe

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



30.4763, 0.2330, 0.2328



36.2422, 0.2165, 0.2090



22.0463, 0.2358, 0.1862



13.3443, 0.2981, 0.3132



6.2139, 0.1643, 0.1113



0.5598, 0.1734, 0.1443



# Previews

## White Background



This preview shows how the Yxy color 49.4454, 0.4000, 0.4083 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 49.4454, 0.4000, 0.4083 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 49.4454, 0.4000, 0.4083**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4454, 0.4000, 0.4083.

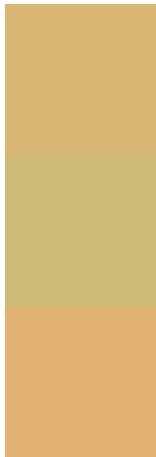


This preview shows how white text looks on a background with the Yxy color 49.4454, 0.4000, 0.4083.

# 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

49.4454, 0.4000, 0.4083

### Protanopia

49.6624, 0.3838, 0.4154

### Deuteranopia

49.2705, 0.4098, 0.4003



## Tritanopia

49.3223, 0.3467, 0.3129

# Trichromacy



## Original Color

49.4454, 0.4000, 0.4083

## Protanomaly

49.5142, 0.3902, 0.4129

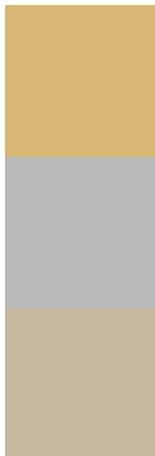
## Deuteranomaly

49.1891, 0.4064, 0.4022

## Tritanomaly

48.9960, 0.3666, 0.3469

# Monochromacy



## Original Color

49.4454, 0.4000, 0.4083

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.6894, 0.3435, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4454, 0.4000, 0.4083 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(217, 182, 115)` looks like.

```
.text, #text, p{  
    color:rgb(217, 182, 115)  
}
```

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(217, 182, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 182, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4454, 0.4000, 0.4083 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(217, 182, 115) }
```

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

```
.border{ border-color:rgb(217, 182, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 182, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 182, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 182, 115);  
box-shadow:4px 4px 4px 4px rgb(217, 182,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4454, 0.4000, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 182, 115) }
```

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

```
.background{ background-color: rgb(217,  
182, 115) }
```

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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