

# Converting Colors

$Y_{xy}(49.2566, 0.3778, 0.4184)$

Have a look what the booklet for  
Yxy(49.2566, 0.3778, 0.4184)  
contains.

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# Color

**Yxy(49.2566, 0.3778, 0.4184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6BC75
RGB	198, 188, 117
RGB Percent	78%, 74%, 46%
CMY	0.2236, 0.2627, 0.5412
CMYK	0.00, 0.05, 0.41, 0.22
HSL	53°, 42%, 62%
HSV	53°, 41%, 78%
XYZ	44.4769, 49.2566, 23.9926
YIQ	182.8960, 28.7510, -19.9610

# Conversions

## Conversions Part 2

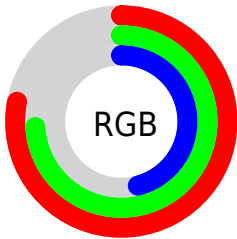
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 198, 117
Decimal	13024373
CIELab	75.61, -6.69, 37.15
CIELCh	76, 37.747, 100.211
Yxy	49.2566, 0.3778, 0.4184
Android (android.graphics.Color)	4291214453 (0xFFC6BC75)
YUV	182.8960, -32.4867, 13.2462
Hunter-Lab	70.1830, -9.7000, 28.8594

# Details

The Yxy color **49.2566, 0.3778, 0.4184** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.0252, 0.2399, 0.2200**, and the grayscale version is **47.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8636, 0.3664, 0.4028**, and **23.5728, 0.3939, 0.4420** is the 20% darker color. If you saturate the color by 10%, you get **47.8100, 0.3936, 0.4384**, and if you desaturate by 10%, it is **50.8237, 0.3614, 0.3968**.

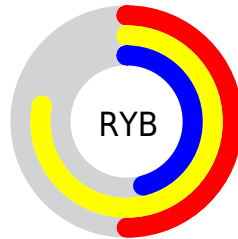
# Distribution



Red (78%)

Green (74%)

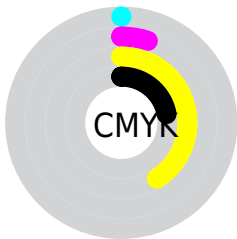
Blue (46%)



Red (50%)

Yellow (78%)

Blue (46%)

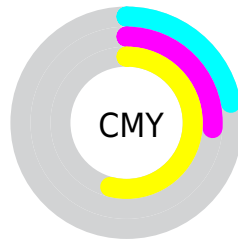


Cyan (0%)

Magenta (5%)

Yellow (41%)

Black (22%)



Cyan (22%)

Magenta (26%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2566, 0.3778, 0.4184 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 49.2566, 0.3778, 0.4184 by changing the saturation by 10% instead.





 49.2566, 0.3778,  
0.4184

 49.2566, 0.3778,  
0.4184


383.7516, 0.3467,  
0.3743

 34.8231, 0.3849,  
0.4289


 89.0724, 0.3670,  
0.4027

 23.5266, 0.3934,  
0.4421


 115.2235, 0.3628,  
0.3967

 14.9828, 0.4039,  
0.4588


 146.0493, 0.3591,  
0.3915

 8.8073, 0.4165,  
0.4802


181.9341, 0.3560,  
0.3871

 4.6157, 0.4340,  
0.5117

223.2623, 0.3532,  
0.3833

 2.0236, 0.4497,  
0.5503

270.4184, 0.3508,

 0.6211, 0.4074,

0.3799

0.5926

323.7867, 0.3486,  
0.3769

0.0000, 0.0000,  
0.0000

49.2566, 0.3778,  
0.4184

49.2566, 0.3778,  
0.4184

47.8100, 0.3936,  
0.4384

50.8237, 0.3614,  
0.3968

46.4708, 0.4081,  
0.4558

52.5104, 0.3451,  
0.3746

45.2343, 0.4206,  
0.4698


54.3242, 0.3292,  
0.3524

44.0923, 0.4308,  
0.4796

56.2703, 0.3140,  
0.3309


43.0352, 0.4381,  
0.4849


58.3532, 0.2999,  
0.3104

 42.1309, 0.4429,  
0.4866

 60.5774, 0.2868,  
0.2913

 62.9097, 0.2753,  
0.2741

 64.0838, 0.2755,  
0.2769

 65.2760, 0.2757,  
0.2796

# Harmonies

## Analogous

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



49.2566, 0.4096, 0.3917



49.2566, 0.3778, 0.4184



49.2566, 0.3299, 0.4202

# Triad

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



49.2566, 0.3778, 0.4184



49.2566, 0.2206, 0.2914



49.2566, 0.3413, 0.2773

# Complementary

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



49.2566, 0.3778, 0.4184



23.0252, 0.2399, 0.2200

# 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.



49.2566, 0.2889, 0.2539



49.2566, 0.3778, 0.4184



49.2566, 0.2230, 0.2589

# Square

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



49.2566, 0.3778, 0.4184



49.2566, 0.2404, 0.3402



49.2566, 0.2467, 0.2468



49.2566, 0.3889, 0.3124



# Rectangle

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



49.2566, 0.3778, 0.4184



49.2566, 0.2958, 0.4035



49.2566, 0.2467, 0.2468



49.2566, 0.3235, 0.2680

# Sweetspot

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



49.2589, 0.3778, 0.4184



95.8065, 0.3312, 0.3552



26.2777, 0.4017, 0.3149



20.4134, 0.3332, 0.3581



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.



49.2589, 0.3778, 0.4184



84.9800, 0.3918, 0.4362



50.0146, 0.3474, 0.4387



12.1858, 0.3268, 0.3491



27.4930, 0.4425, 0.4869



1.3660, 0.4370, 0.4912



# Inverse Universe

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



23.0252, 0.2399, 0.2200



32.3469, 0.2220, 0.1918



22.9730, 0.2645, 0.2130



10.4941, 0.2983, 0.3081



3.1541, 0.1528, 0.0701



0.2208, 0.1606, 0.0981



# Previews

## White Background



This preview shows how the Yxy color 49.2566, 0.3778, 0.4184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

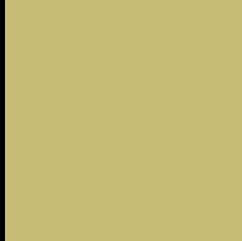
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2566, 0.3778, 0.4184 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 49.2566, 0.3778, 0.4184**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.2566, 0.3778, 0.4184.

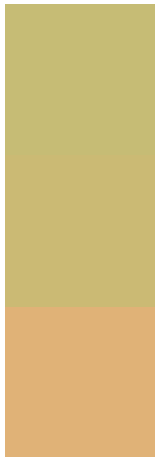


This preview shows how white text looks on a background with the Yxy color 49.2566, 0.3778, 0.4184.

# 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

49.2566, 0.3778, 0.4184

### Protanopia

49.0753, 0.3842, 0.4158

### Deuteranopia

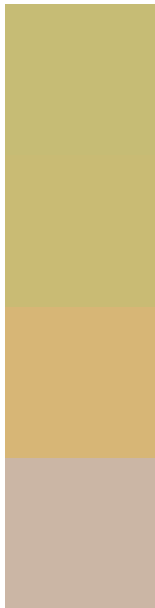
49.0200, 0.4055, 0.3976



## Tritanopia

49.2123, 0.3247, 0.3121

# Trichromacy



## Original Color

49.2566, 0.3778, 0.4184

## Protanomaly

49.2191, 0.3818, 0.4175

## Deuteranomaly

49.2110, 0.3958, 0.4056

## Tritanomaly

48.8690, 0.3451, 0.3503

# Monochromacy



## Original Color

49.2566, 0.3778, 0.4184

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.8925, 0.3361, 0.3630

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2566, 0.3778, 0.4184 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(198, 188, 117)` looks like.

```
.text, #text, p{  
    color:rgb(198, 188, 117)  
}
```

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(198, 188, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 188, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2566, 0.3778, 0.4184 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(198, 188, 117) }
```

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

```
.border{ border-color:rgb(198, 188, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 188, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 188, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 188, 117);  
box-shadow:4px 4px 4px 4px rgb(198, 188,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2566, 0.3778, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 188, 117) }
```

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

```
.background{ background-color: rgb(198,  
188, 117) }
```

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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