

# Converting Colors

$Y_{xy}(48.7397, 0.3959, 0.3971)$

Have a look what the booklet for  
Yxy(48.7397, 0.3959, 0.3971)  
contains.

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# Color

**Yxy(48.9531, 0.3963, 0.3980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAB47A
RGB	218, 180, 122
RGB Percent	85%, 71%, 48%
CMY	0.1452, 0.2941, 0.5215
CMYK	0.00, 0.17, 0.44, 0.15
HSL	36°, 56%, 67%
HSV	36°, 44%, 85%
XYZ	48.7440, 48.9531, 25.3006
YIQ	184.7500, 41.2660, -9.9820

# Conversions

## Conversions Part 2

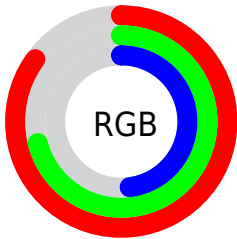
Format	Color
<a href="#">RYB</a>	<a href="#">185, 218, 122</a>
Decimal	<a href="#">14333050</a>
CIELab	<a href="#">75.42, 6.16, 34.67</a>
CIELCh	<a href="#">75, 35.210, 79.928</a>
Yxy	<a href="#">48.9531, 0.3963, 0.3980</a>
Android (android.graphics.Color)	<a href="#">4292523130</a> ( <a href="#">0xFFDAB47A</a> )
YUV	<a href="#">184.7500, -30.9357, 29.1603</a>
Hunter-Lab	<a href="#">69.9665, 1.9154, 27.5366</a>

# Details

The Yxy color **48.9531, 0.3963, 0.3980** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.3398, 0.2396, 0.2474**, and the grayscale version is **48.5289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3461, 0.3656, 0.3905**, and **23.2237, 0.4184, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **45.0990, 0.4193, 0.4124**, and if you desaturate by 10%, it is **53.1497, 0.3744, 0.3823**.

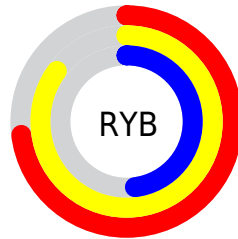
# Distribution



Red (85%)

Green (71%)

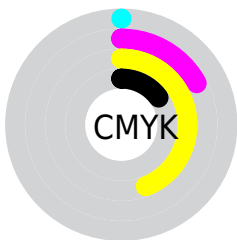
Blue (48%)



Red (73%)

Yellow (85%)

Blue (48%)

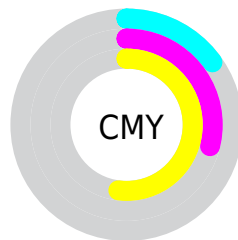


Cyan (0%)

Magenta (17%)

Yellow (44%)

Black (15%)



Cyan (15%)

Magenta (29%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9531, 0.3963, 0.3980 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 48.9531, 0.3963, 0.3980 by changing the saturation by 10% instead.





 48.9531, 0.3963,  
0.3980


 48.9531, 0.3963,  
0.3980

382.5577, 0.3553,  
0.3652

 34.5823, 0.4060,  
0.4055


 88.6218, 0.3817,  
0.3866

 23.3413, 0.4181,  
0.4145


 114.6885, 0.3762,  
0.3821

 14.8457, 0.4334,  
0.4256


 145.4225, 0.3714,  
0.3783

 8.7112, 0.4530,  
0.4390

181.2084, 0.3673,  
0.3750

 4.5533, 0.4798,  
0.4560

222.4304, 0.3637,  
0.3721

 1.9876, 0.5206,  
0.4794

269.4731, 0.3606,

 0.6003, 0.5456,

0.3695

0.4544

322.7207, 0.3578,  
0.3672

0.0000, 0.0000,  
0.0000

48.9531, 0.3963,  
0.3980

48.9531, 0.3963,  
0.3980

45.0990, 0.4193,  
0.4124

53.1497, 0.3744,  
0.3823

41.5685, 0.4426,  
0.4244

57.6932, 0.3540,  
0.3662

38.3505, 0.4651,  
0.4328

62.5963, 0.3355,  
0.3502

35.4302, 0.4855,  
0.4364

67.8692, 0.3189,  
0.3349

32.7906, 0.5027,  
0.4348

73.5212, 0.3041,  
0.3205

■ 31.3310, 0.5117,  
0.4319

■ 79.5615, 0.2910,  
0.3071

■ 84.6704, 0.2900,  
0.3139

■ 89.8809, 0.2903,  
0.3228

■ 93.6420, 0.2906,  
0.3289

# Harmonies

## Analogous

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



48.9531, 0.4096, 0.3644



48.9531, 0.3963, 0.3980



48.9531, 0.3605, 0.4161

# Triad

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



48.9531, 0.3963, 0.3980



48.9531, 0.2366, 0.3239



48.9531, 0.3060, 0.2640

# Complementary

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



48.9531, 0.3963, 0.3980



34.3398, 0.2396, 0.2474

# 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.



48.9531, 0.2620, 0.2520



48.9531, 0.3963, 0.3980



48.9531, 0.2245, 0.2822

# Square

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



48.9531, 0.3963, 0.3980



48.9531, 0.2683, 0.3721



48.9531, 0.2335, 0.2575



48.9531, 0.3553, 0.2902



# Rectangle

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



48.9531, 0.3963, 0.3980



48.9531, 0.3296, 0.4139



48.9531, 0.2335, 0.2575



48.9531, 0.2901, 0.2582

# Sweetspot

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



48.9554, 0.3963, 0.3980



89.9606, 0.3339, 0.3488



31.3803, 0.3810, 0.2829



18.9099, 0.3378, 0.3523



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.



48.9554, 0.3963, 0.3980



64.6304, 0.4180, 0.4117



65.0027, 0.3701, 0.4398



14.3541, 0.3277, 0.3431



18.9901, 0.5100, 0.4333



1.3967, 0.4913, 0.4481



# Inverse Universe

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



34.3398, 0.2396, 0.2474



41.2147, 0.2236, 0.2259



23.8619, 0.2377, 0.1951



13.4583, 0.2981, 0.3145



7.2412, 0.1683, 0.1258



0.6343, 0.1774, 0.1584



# Previews

## White Background



This preview shows how the Yxy color 48.9531, 0.3963, 0.3980 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 48.9531, 0.3963, 0.3980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

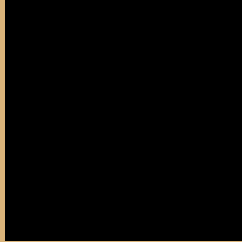
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.9531, 0.3963, 0.3980**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9531, 0.3963, 0.3980.



This preview shows how white text looks on a background with the Yxy color 48.9531, 0.3963, 0.3980.

# 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

48.9531, 0.3963, 0.3980

### Protanopia

49.1296, 0.3770, 0.4066

### Deuteranopia

48.9339, 0.4020, 0.3945



## Tritanopia

48.8551, 0.3487, 0.3140

# Trichromacy



## Original Color

48.9531, 0.3963, 0.3980

## Protanomaly

49.1209, 0.3843, 0.4039

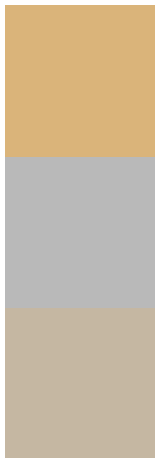
## Deuteranomaly

49.0175, 0.3997, 0.3961

## Tritanomaly

48.7982, 0.3670, 0.3445

# Monochromacy



## Original Color

48.9531, 0.3963, 0.3980

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.3459, 0.3420, 0.3558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9531, 0.3963, 0.3980 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(218, 180, 122)` looks like.

```
.text, #text, p{  
    color:rgb(218, 180, 122)  
}
```

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(218, 180, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 180, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9531, 0.3963, 0.3980 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(218, 180, 122) }
```

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

```
.border{ border-color:rgb(218, 180, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 180, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 180, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 180, 122);  
box-shadow:4px 4px 4px 4px rgb(218, 180,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9531, 0.3963, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 180, 122) }
```

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

```
.background{ background-color: rgb(218,  
180, 122) }
```

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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