

# Converting Colors

$Yxy(47.9909, 0.3881, 0.3960)$

Have a look what the booklet for  
Yxy(47.9909, 0.3881, 0.3960)  
contains.

<b>Yxy(48.1202, 0.3883, 0.3961)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.1202, 0.3883, 0.3961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4B47D
RGB	212, 180, 125
RGB Percent	83%, 71%, 49%
CMY	0.1686, 0.2941, 0.5099
CMYK	0.00, 0.15, 0.41, 0.17
HSL	38°, 50%, 66%
HSV	38°, 41%, 83%
XYZ	47.1726, 48.1202, 26.1922
YIQ	183.2980, 36.7270, -10.3210

# Conversions

## Conversions Part 2

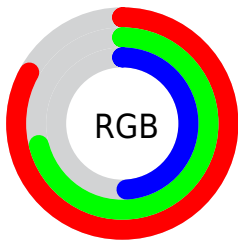
Format	Color
R <sub>YB</sub>	176, 212, 125
Decimal	13939837
CIE Lab	74.90, 4.06, 32.34
CIE LCh	75, 32.594, 82.848
Yxy	48.1202, 0.3883, 0.3961
Android (android.graphics.Color)	4292129917 (0xFFD4B47D)
YUV	183.2980, -28.7409, 25.1717
Hunter-Lab	69.3687, -0.0104, 26.1715

# Details

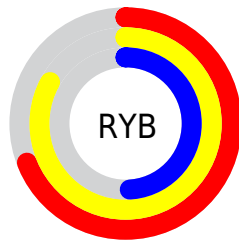
The Yxy color **48.1202, 0.3883, 0.3961** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.2113, 0.2443, 0.2505**, and the grayscale version is **47.6715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4653, 0.3637, 0.3875**, and **22.7547, 0.4090, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **44.5786, 0.4102, 0.4116**, and if you desaturate by 10%, it is **51.9589, 0.3674, 0.3796**.

# Distribution



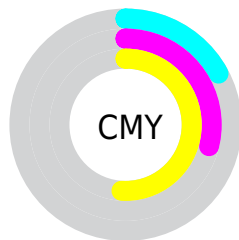
- Red (83%)
- Green (71%)
- Blue (49%)



- Red (69%)
- Yellow (83%)
- Blue (49%)



- Cyan (0%)
- Magenta (15%)
- Yellow (41%)
- Black (17%)




- Cyan (17%)
- Magenta (29%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1202, 0.3883, 0.3961 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 48.1202, 0.3883, 0.3961 by changing the saturation by 10% instead.





 48.1202, 0.3883,  
0.3961

 48.1202, 0.3883,  
0.3961


379.2684, 0.3511,  
0.3637


 33.9221, 0.3972,  
0.4036


 87.3833, 0.3750,  
0.3847

 22.8337, 0.4083,  
0.4129


 113.2172, 0.3700,  
0.3803

 14.4708, 0.4224,  
0.4244


 143.6983, 0.3657,  
0.3765

 8.4488, 0.4407,  
0.4389

179.2113, 0.3620,  
0.3733

 4.3835, 0.4654,  
0.4573

220.1403, 0.3587,  
0.3704

 1.8903, 0.5098,  
0.4902

266.8699, 0.3559,

 0.5425, 0.5312,

0.3679

0.4688

319.7845, 0.3534,  
0.3657

0.0000, 0.0000,  
0.0000

48.1202, 0.3883,  
0.3961

48.1202, 0.3883,  
0.3961

44.5786, 0.4102,  
0.4116

51.9589, 0.3674,  
0.3796

41.3170, 0.4325,  
0.4250

56.0974, 0.3480,  
0.3628

38.3264, 0.4541,  
0.4351

60.5471, 0.3303,  
0.3463

35.5943, 0.4739,  
0.4409

65.3164, 0.3143,  
0.3306

33.1063, 0.4909,  
0.4416

70.4134, 0.3000,  
0.3158

■ 31.0668, 0.5036,  
0.4384

■ 75.8459, 0.2874,  
0.3021

■ 80.3812, 0.2861,  
0.3076

■ 84.9308, 0.2865,  
0.3158

■ 89.6781, 0.2869,  
0.3239

# Harmonies

## Analogous

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



48.1202, 0.4028, 0.3659



48.1202, 0.3883, 0.3961



48.1202, 0.3535, 0.4104

# Triad

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



48.1202, 0.3883, 0.3961



48.1202, 0.2396, 0.3202



48.1202, 0.3110, 0.2699

# Complementary

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



48.1202, 0.3883, 0.3961



33.2113, 0.2443, 0.2505

# 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.



48.1202, 0.2689, 0.2572



48.1202, 0.3883, 0.3961



48.1202, 0.2301, 0.2825

# Square

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



48.1202, 0.3883, 0.3961



48.1202, 0.2678, 0.3649



48.1202, 0.2404, 0.2609



48.1202, 0.3566, 0.2957



# Rectangle

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



48.1202, 0.3883, 0.3961



48.1202, 0.3243, 0.4063



48.1202, 0.2404, 0.2609



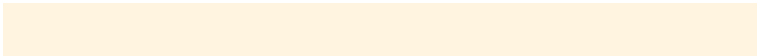
48.1202, 0.2960, 0.2640

# Sweetspot

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



48.1225, 0.3883, 0.3961



91.2155, 0.3321, 0.3481



31.1359, 0.3761, 0.2878



19.3285, 0.3343, 0.3502



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.



48.1225, 0.3883, 0.3961



68.5079, 0.4068, 0.4093



61.1022, 0.3653, 0.4330



13.7167, 0.3275, 0.3437



19.3761, 0.5020, 0.4396



1.3242, 0.4841, 0.4538



# Inverse Universe

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



33.2113, 0.2443, 0.2505



43.0129, 0.2295, 0.2307



24.5732, 0.2450, 0.2060



12.7488, 0.2982, 0.3138



6.4678, 0.1661, 0.1180

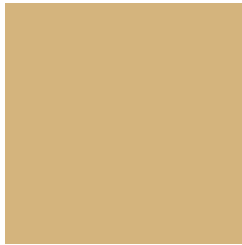


0.5457, 0.1759, 0.1531



# Previews

## White Background



This preview shows how the Yxy color 48.1202, 0.3883, 0.3961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

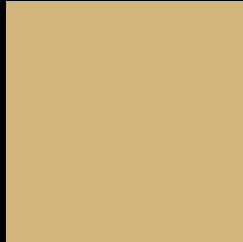
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.1202, 0.3883, 0.3961 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 48.1202, 0.3883, 0.3961**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.1202, 0.3883, 0.3961.



This preview shows how white text looks on a background with the Yxy color 48.1202, 0.3883, 0.3961.

# 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

48.1202, 0.3883, 0.3961

### Protanopia

48.0926, 0.3736, 0.4012

### Deuteranopia

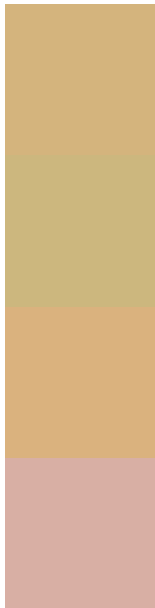
48.3228, 0.3973, 0.3894



## Tritanopia

47.9556, 0.3424, 0.3126

# Trichromacy



## Original Color

48.1202, 0.3883, 0.3961

## Protanomaly

48.2107, 0.3786, 0.4002

## Deuteranomaly

48.2526, 0.3940, 0.3912

## Tritanomaly

47.9392, 0.3596, 0.3424

# Monochromacy



## Original Color

48.1202, 0.3883, 0.3961

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.5339, 0.3396, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1202, 0.3883, 0.3961 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(212, 180, 125)` looks like.

```
.text, #text, p{  
    color:rgb(212, 180, 125)  
}
```

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(212, 180, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 180, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1202, 0.3883, 0.3961 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(212, 180, 125) }
```

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

```
.border{ border-color:rgb(212, 180, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 180, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 180, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 180, 125);  
box-shadow:4px 4px 4px 4px rgb(212, 180,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1202, 0.3883, 0.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 180, 125) }
```

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

```
.background{ background-color: rgb(212,  
180, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor