

# Converting Colors

$Yxy(48.1706, 0.3876, 0.3695)$

Have a look what the booklet for  
Yxy(48.1706, 0.3876, 0.3695)  
contains.

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# Color

**Yxy(48.2710, 0.3869, 0.3694)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFAF8D
RGB	223, 175, 141
RGB Percent	87%, 69%, 55%
CMY	0.1257, 0.3136, 0.4471
CMYK	0.00, 0.21, 0.37, 0.13
HSL	25°, 56%, 71%
HSV	25°, 37%, 87%
XYZ	50.5578, 48.2710, 31.8453
YIQ	185.4760, 39.5220, -0.3980

# Conversions

## Conversions Part 2

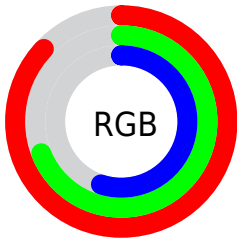
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 199, 141
Decimal	14659469
CIE Lab	75.00, 12.90, 24.13
CIE LCh	75, 27.363, 61.871
Yxy	48.2710, 0.3869, 0.3694
Android (android.graphics.Color)	4292849549 (0xFFDFAF8D)
YUV	185.4760, -21.9267, 32.9085
Hunter-Lab	69.4773, 8.3069, 21.4583

# Details

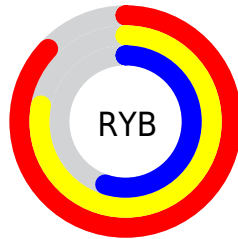
The Yxy color **48.2710, 0.3869, 0.3694** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **47.3449, 0.2551, 0.2844**, and the grayscale version is **48.9019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3520, 0.3535, 0.3654**, and **23.0282, 0.4064, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **42.8420, 0.4141, 0.3803**, and if you desaturate by 10%, it is **54.3281, 0.3628, 0.3580**.

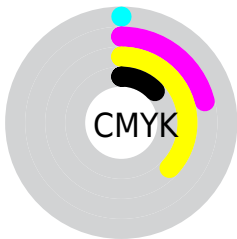
# Distribution



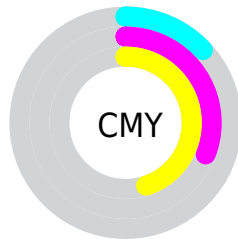
- Red (87%)
- Green (69%)
- Blue (55%)



- Red (87%)
- Yellow (78%)
- Blue (55%)



- Cyan (0%)
- Magenta (21%)
- Yellow (37%)
- Black (13%)




- Cyan (13%)
- Magenta (31%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2710, 0.3869, 0.3694 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 48.2710, 0.3869, 0.3694 by changing the saturation by 10% instead.




 48.2710, 0.3869,  
0.3694


 48.2710, 0.3869,  
0.3694


379.8653, 0.3499,  
0.3504


 34.0415, 0.3960,  
0.3737


 87.6078, 0.3735,  
0.3628

 22.9255, 0.4076,  
0.3789


 113.4839, 0.3685,  
0.3603

 14.5385, 0.4228,  
0.3853


 144.0110, 0.3642,  
0.3581

 8.4962, 0.4434,  
0.3931

179.5734, 0.3605,  
0.3561

 4.4140, 0.4725,  
0.4024

220.5557, 0.3573,  
0.3544

 1.9078, 0.5410,  
0.4317

267.3422, 0.3545,

 0.5530, 0.6032,

0.3529

0.3968

320.3173, 0.3521,  
0.3516

0.0000, 0.0000,  
0.0000

48.2710, 0.3869,  
0.3694

48.2710, 0.3869,  
0.3694

42.8420, 0.4141,  
0.3803

54.3281, 0.3628,  
0.3580

38.0124, 0.4439,  
0.3898

61.0272, 0.3417,  
0.3467

33.7611, 0.4754,  
0.3968

68.3901, 0.3235,  
0.3359

30.0629, 0.5068,  
0.3999

76.4355, 0.3079,  
0.3258

26.8899, 0.5358,  
0.3979

85.1813, 0.2945,  
0.3164

■ 24.2102, 0.5601,  
0.3906

■ 93.3061, 0.2934,  
0.3272

■ 23.4376, 0.5673,  
0.3877

■ 94.4208, 0.2934,  
0.3289

# Harmonies

## Analogous

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



48.2710, 0.3836, 0.3396



48.2710, 0.3869, 0.3694



48.2710, 0.3692, 0.3911

# Triad

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



48.2710, 0.3869, 0.3694



48.2710, 0.2664, 0.3481



48.2710, 0.2858, 0.2697

# Complementary

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



48.2710, 0.3869, 0.3694



47.3449, 0.2551, 0.2844

# 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.



48.2710, 0.2572, 0.2688



48.2710, 0.3869, 0.3694



48.2710, 0.2466, 0.3116

# Square

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



48.2710, 0.3869, 0.3694



48.2710, 0.2990, 0.3806



48.2710, 0.2434, 0.2831



48.2710, 0.3233, 0.2843



# Rectangle

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



48.2710, 0.3869, 0.3694



48.2710, 0.3486, 0.3969



48.2710, 0.2434, 0.2831



48.2710, 0.2749, 0.2678

# Sweetspot

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



48.2733, 0.3869, 0.3694



88.3015, 0.3311, 0.3405



38.4510, 0.3485, 0.2720



18.6083, 0.3335, 0.3420



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.



48.2733, 0.3869, 0.3694



59.8023, 0.4072, 0.3777



66.0811, 0.3708, 0.4121



14.6310, 0.3282, 0.3388



13.9984, 0.5647, 0.3898



1.1439, 0.5372, 0.4117



# Inverse Universe

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



47.3449, 0.2551, 0.2844



58.3515, 0.2436, 0.2733



32.5391, 0.2473, 0.2294



14.5683, 0.2981, 0.3190



12.8095, 0.1854, 0.1875



1.0634, 0.1921, 0.2115



# Previews

## White Background



This preview shows how the Yxy color 48.2710, 0.3869, 0.3694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

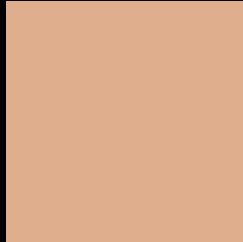
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2710, 0.3869, 0.3694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

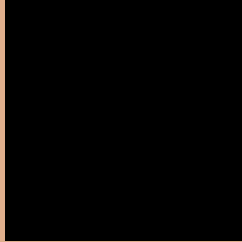
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.2710, 0.3869, 0.3694**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2710, 0.3869, 0.3694.



This preview shows how white text looks on a background with the Yxy color 48.2710, 0.3869, 0.3694.

# 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

48.2710, 0.3869, 0.3694

### Protanopia

48.6126, 0.3557, 0.3802

### Deuteranopia

48.1191, 0.3805, 0.3726



## Tritanopia

48.0842, 0.3548, 0.3141

# Trichromacy



**Original Color**

48.2710, 0.3869, 0.3694

**Protanomaly**

48.1832, 0.3661, 0.3753

**Deuteranomaly**

48.0338, 0.3828, 0.3711

**Tritanomaly**

48.0846, 0.3673, 0.3338

# Monochromacy



**Original Color**

48.2710, 0.3869, 0.3694

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

48.0544, 0.3383, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2710, 0.3869, 0.3694 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(223, 175, 141)` looks like.

```
.text, #text, p{  
    color:rgb(223, 175, 141)  
}
```

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(223, 175, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 175, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2710, 0.3869, 0.3694 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(223, 175, 141) }
```

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

```
.border{ border-color:rgb(223, 175, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 175, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 175, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 175, 141);  
box-shadow:4px 4px 4px 4px rgb(223, 175,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2710, 0.3869, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 175, 141) }
```

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

```
.background{ background-color: rgb(223,  
175, 141) }
```

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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