

# Converting Colors

$Y_{xy}(46.3712, 0.3770, 0.3684)$

Have a look what the booklet for  
Yxy(46.3712, 0.3770, 0.3684)  
contains.

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# Color

**Yxy(46.3712, 0.3770, 0.3684)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5AE8E
RGB	213, 174, 142
RGB Percent	84%, 68%, 56%
CMY	0.1648, 0.3176, 0.4431
CMYK	0.00, 0.18, 0.33, 0.16
HSL	27°, 46%, 70%
HSV	27°, 33%, 84%
XYZ	47.4537, 46.3712, 32.0470
YIQ	182.0130, 33.5160, -1.6840

# Conversions

## Conversions Part 2

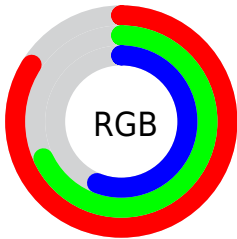
Format	Color
RYB	213, 200, 142
Decimal	14003854
CIELab	73.79, 9.65, 21.77
CIELCh	74, 23.809, 66.094
Yxy	46.3712, 0.3770, 0.3684
Android (android.graphics.Color)	4292193934 (0xFFD5AE8E)
YUV	182.0130, -19.7264, 27.1756
Hunter-Lab	68.0964, 5.2209, 19.7649

# Details

The Yxy color **46.3712, 0.3770, 0.3684** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.5916, 0.2602, 0.2858**, and the grayscale version is **46.8828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2841, 0.3533, 0.3625**, and **21.8599, 0.3944, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **41.4699, 0.4022, 0.3804**, and if you desaturate by 10%, it is **51.7923, 0.3546, 0.3561**.

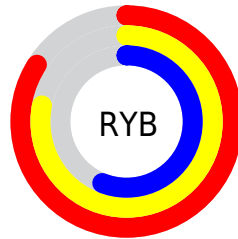
# Distribution



Red (84%)

Green (68%)

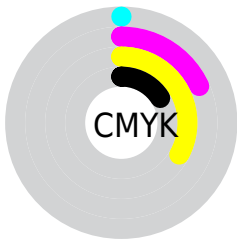
Blue (56%)



Red (84%)

Yellow (78%)

Blue (56%)

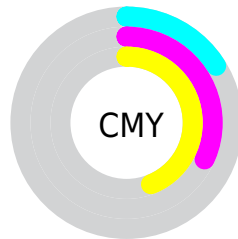


Cyan (0%)

Magenta (18%)

Yellow (33%)

Black (16%)



Cyan (16%)

Magenta (32%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3712, 0.3770, 0.3684 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 46.3712, 0.3770, 0.3684 by changing the saturation by 10% instead.




 46.3712, 0.3770,  
0.3684


 46.3712, 0.3770,  
0.3684


372.2990, 0.3447,  
0.3495

 32.5388, 0.3850,  
0.3728


 84.7743, 0.3653,  
0.3617

 21.7734, 0.3953,  
0.3783


 110.1137, 0.3609,  
0.3592

 13.6905, 0.4089,  
0.3852


140.0577, 0.3571,  
0.3570

 7.9057, 0.4274,  
0.3941

174.9906, 0.3539,  
0.3550

 4.0347, 0.4541,  
0.4054

215.2968, 0.3512,  
0.3534

 1.6930, 0.5218,  
0.4417

261.3606, 0.3487,

 0.4191, 0.6020,

0.3519

0.3980

313.5666, 0.3466,  
0.3506

0.0000, 0.0000,  
0.0000

46.3712, 0.3770,  
0.3684

46.3712, 0.3770,  
0.3684

41.4699, 0.4022,  
0.3804

51.7923, 0.3546,  
0.3561

37.0651, 0.4299,  
0.3914

57.7429, 0.3349,  
0.3441

33.1408, 0.4594,  
0.4003

64.2403, 0.3179,  
0.3326

29.6775, 0.4892,  
0.4057

71.2992, 0.3031,  
0.3219

26.6541, 0.5175,  
0.4064

78.9334, 0.2903,  
0.3120

■ 24.0465, 0.5422,  
0.4018

■ 86.1663, 0.2872,  
0.3177

■ 22.5155, 0.5565,  
0.3963

■ 92.8817, 0.2877,  
0.3289

# Harmonies

## Analogous

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



46.3712, 0.3767, 0.3427



46.3712, 0.3770, 0.3684



46.3712, 0.3593, 0.3855

# Triad

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



46.3712, 0.3770, 0.3684



46.3712, 0.2685, 0.3414



46.3712, 0.2934, 0.2774

# Complementary

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



46.3712, 0.3770, 0.3684



43.5916, 0.2602, 0.2858

# 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.



46.3712, 0.2664, 0.2749



46.3712, 0.3770, 0.3684



46.3712, 0.2527, 0.3098

# Square

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



46.3712, 0.3770, 0.3684



46.3712, 0.2963, 0.3708



46.3712, 0.2520, 0.2860



46.3712, 0.3270, 0.2919



# Rectangle

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



46.3712, 0.3770, 0.3684



46.3712, 0.3403, 0.3887



46.3712, 0.2520, 0.2860



46.3712, 0.2833, 0.2751

# Sweetspot

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



46.3734, 0.3770, 0.3684



89.8556, 0.3292, 0.3403



36.8309, 0.3477, 0.2817



18.9423, 0.3317, 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.



46.3734, 0.3770, 0.3684



64.4064, 0.3946, 0.3770



61.9040, 0.3639, 0.4079



13.3339, 0.3280, 0.3395



13.9557, 0.5541, 0.3982



1.0058, 0.5250, 0.4213

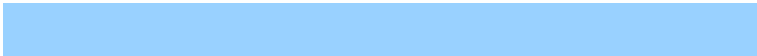


# Inverse Universe

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



43.5916, 0.2602, 0.2858



59.5936, 0.2490, 0.2748



30.9789, 0.2538, 0.2356



13.1276, 0.2982, 0.3182



10.9046, 0.1821, 0.1754



0.8221, 0.1901, 0.2043



# Previews

## White Background



This preview shows how the Yxy color 46.3712, 0.3770, 0.3684 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

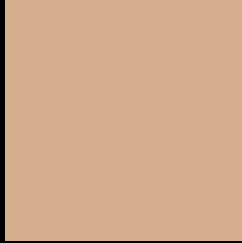
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3712, 0.3770, 0.3684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

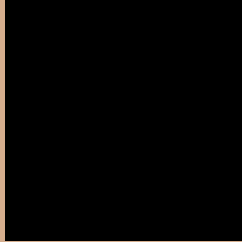
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.3712, 0.3770, 0.3684**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3712, 0.3770, 0.3684.



This preview shows how white text looks on a background with the Yxy color 46.3712, 0.3770, 0.3684.

# 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

46.3712, 0.3770, 0.3684

### Protanopia

46.4295, 0.3532, 0.3759

### Deuteranopia

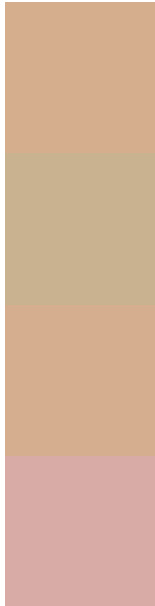
46.2221, 0.3761, 0.3685



## Tritanopia

46.5050, 0.3456, 0.3136

# Trichromacy



## Original Color

46.3712, 0.3770, 0.3684

## Protanomaly

46.1338, 0.3616, 0.3725

## Deuteranomaly

46.2221, 0.3761, 0.3685

## Tritanomaly

46.5148, 0.3580, 0.3340

# Monochromacy



## Original Color

46.3712, 0.3770, 0.3684

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.3677, 0.3350, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3712, 0.3770, 0.3684 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(213, 174, 142)` looks like.

```
.text, #text, p{  
    color:rgb(213, 174, 142)  
}
```

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(213, 174, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 174, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3712, 0.3770, 0.3684 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(213, 174, 142) }
```

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

```
.border{ border-color:rgb(213, 174, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 174, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 174, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 174, 142);  
box-shadow:4px 4px 4px 4px rgb(213, 174,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3712, 0.3770, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 174, 142) }
```

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

```
.background{ background-color: rgb(213,  
174, 142) }
```

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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