

# Converting Colors

$Yxy(46.3774, 0.3942, 0.3871)$

Have a look what the booklet for  
Yxy(46.3774, 0.3942, 0.3871)  
contains.

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# Color

**Yxy(46.3774, 0.3942, 0.3871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8AE7E
RGB	216, 174, 126
RGB Percent	85%, 68%, 49%
CMY	0.1528, 0.3177, 0.5059
CMYK	0.00, 0.19, 0.42, 0.15
HSL	32°, 54%, 67%
HSV	32°, 42%, 85%
XYZ	47.2280, 46.3774, 26.2019
YIQ	181.0860, 40.4400, -6.0240

# Conversions

## Conversions Part 2

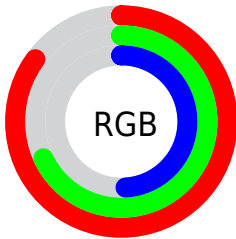
Format	Color
R <sub>Y</sub> B	205, 216, 126
Decimal	14200446
CIE Lab	73.79, 9.00, 30.41
CIE LCh	74, 31.714, 73.511
Yxy	46.3774, 0.3942, 0.3871
Android (android.graphics.Color)	4292390526 (0xFFD8AE7E)
YUV	181.0860, -27.1574, 30.6196
Hunter-Lab	68.1010, 4.6131, 24.8588

# Details

The Yxy color **46.3774, 0.3942, 0.3871** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.4166, 0.2452, 0.2620**, and the grayscale version is **46.3932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5533, 0.3650, 0.3798**, and **21.8118, 0.4160, 0.4022** is the 20% darker color. If you saturate the color by 10%, you get **42.1284, 0.4191, 0.4003**, and if you desaturate by 10%, it is **51.0440, 0.3711, 0.3729**.

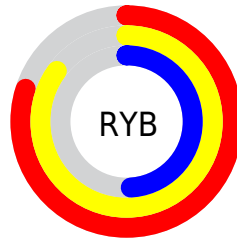
# Distribution



Red (85%)

Green (68%)

Blue (49%)



Red (80%)

Yellow (85%)

Blue (49%)

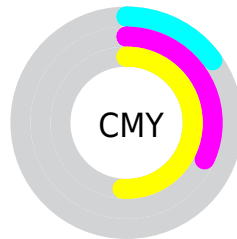


Cyan (0%)

Magenta (19%)

Yellow (42%)

Black (15%)



Cyan (15%)

Magenta (32%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3774, 0.3942, 0.3871 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 46.3774, 0.3942, 0.3871 by changing the saturation by 10% instead.




 46.3774, 0.3942,  
0.3871


 46.3774, 0.3942,  
0.3871


372.3239, 0.3536,  
0.3594

 32.5437, 0.4041,  
0.3934


 84.7835, 0.3796,  
0.3774

 21.7772, 0.4166,  
0.4012


 110.1248, 0.3740,  
0.3737

 13.6932, 0.4327,  
0.4107


 140.0707, 0.3693,  
0.3704

 7.9076, 0.4540,  
0.4222

175.0056, 0.3653,  
0.3676

 4.0359, 0.4835,  
0.4363

215.3140, 0.3618,  
0.3652

 1.6937, 0.5380,  
0.4620

261.3803, 0.3587,

 0.4195, 0.5958,

0.3630

0.4042

313.5888, 0.3560,  
0.3611

0.0000, 0.0000,  
0.0000

46.3774, 0.3942,  
0.3871

46.3774, 0.3942,  
0.3871

42.1284, 0.4191,  
0.4003

51.0440, 0.3711,  
0.3729

38.2762, 0.4451,  
0.4114

56.1348, 0.3503,  
0.3586

34.8075, 0.4711,  
0.4193


61.6647, 0.3317,  
0.3445

31.7056, 0.4956,  
0.4226

67.6457, 0.3153,  
0.3312

28.9512, 0.5171,  
0.4207


74.0890, 0.3009,  
0.3186

 26.9006, 0.5324,  
0.4154

 80.9656, 0.2886,  
0.3077

 86.8911, 0.2890,  
0.3183

 93.1493, 0.2894,  
0.3286

 93.3438, 0.2894,  
0.3289

# Harmonies

## Analogous

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



46.3774, 0.4007, 0.3546



46.3774, 0.3942, 0.3871



46.3774, 0.3652, 0.4071

# Triad

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



46.3774, 0.3942, 0.3871



46.3774, 0.2475, 0.3340



46.3774, 0.2972, 0.2652

# Complementary

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



46.3774, 0.3942, 0.3871



37.4166, 0.2452, 0.2620

# 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.



46.3774, 0.2591, 0.2575



46.3774, 0.3942, 0.3871



46.3774, 0.2320, 0.2934

# Square

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



46.3774, 0.3942, 0.3871



46.3774, 0.2802, 0.3769



46.3774, 0.2362, 0.2666



46.3774, 0.3424, 0.2871



# Rectangle

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



46.3774, 0.3942, 0.3871



46.3774, 0.3379, 0.4085



46.3774, 0.2362, 0.2666



46.3774, 0.2832, 0.2609

# Sweetspot

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



46.3796, 0.3942, 0.3871



88.5641, 0.3342, 0.3465



32.4105, 0.3669, 0.2766



18.5649, 0.3383, 0.3496



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.



46.3796, 0.3942, 0.3871



62.0434, 0.4160, 0.3988



65.0109, 0.3734, 0.4318



13.5059, 0.3278, 0.3414



16.1353, 0.5303, 0.4172



1.1383, 0.5060, 0.4365

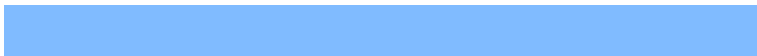


# Inverse Universe

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



37.4166, 0.2452, 0.2620



47.3268, 0.2309, 0.2447



24.4330, 0.2365, 0.2014



12.9551, 0.2982, 0.3162



8.6396, 0.1744, 0.1479



0.6859, 0.1835, 0.1806



# Previews

## White Background



This preview shows how the Yxy color 46.3774, 0.3942, 0.3871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

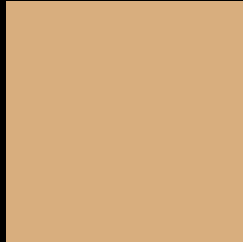
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3774, 0.3942, 0.3871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

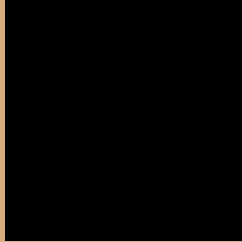
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.3774, 0.3942, 0.3871**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3774, 0.3942, 0.3871.



This preview shows how white text looks on a background with the Yxy color 46.3774, 0.3942, 0.3871.

# 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

46.3774, 0.3942, 0.3871

### Protanopia

46.3685, 0.3695, 0.3961

### Deuteranopia

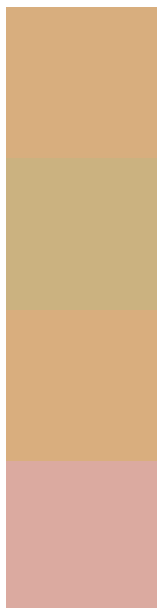
46.5302, 0.3951, 0.3869



## Tritanopia

46.3049, 0.3515, 0.3138

# Trichromacy



**Original Color**

46.3774, 0.3942, 0.3871

**Protanomaly**

46.0958, 0.3782, 0.3922

**Deuteranomaly**

46.5302, 0.3951, 0.3869

**Tritanomaly**

46.3476, 0.3676, 0.3412

# Monochromacy



**Original Color**

46.3774, 0.3942, 0.3871

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

45.8833, 0.3412, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3774, 0.3942, 0.3871 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(216, 174, 126)` looks like.

```
.text, #text, p{  
    color:rgb(216, 174, 126)  
}
```

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(216, 174, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 174, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3774, 0.3942, 0.3871 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(216, 174, 126) }
```

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

```
.border{ border-color:rgb(216, 174, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 174, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 174, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 174, 126);  
box-shadow:4px 4px 4px 4px rgb(216, 174,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3774, 0.3942, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 174, 126) }
```

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

```
.background{ background-color: rgb(216,  
174, 126) }
```

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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