

# Converting Colors

$Y_{xy}(46.2882, 0.3742, 0.3751)$

Have a look what the booklet for  
Yxy(46.2882, 0.3742, 0.3751)  
contains.

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# Color

**Yxy(46.3246, 0.3742, 0.3752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0B08B
RGB	208, 176, 139
RGB Percent	82%, 69%, 55%
CMY	0.1843, 0.3098, 0.4548
CMYK	0.00, 0.15, 0.33, 0.18
HSL	32°, 42%, 68%
HSV	32°, 33%, 82%
XYZ	46.2011, 46.3246, 30.9407
YIQ	181.3500, 30.9490, -4.7230

# Conversions

## Conversions Part 2

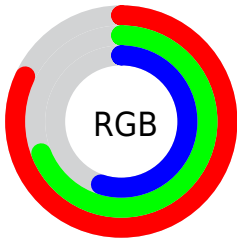
Format	Color
R <sub>Y</sub> B	199, 208, 139
Decimal	13676683
CIE Lab	73.76, 6.26, 23.26
CIE LCh	74, 24.090, 74.946
Yxy	46.3246, 0.3742, 0.3752
Android (android.graphics.Color)	4291866763 (0xFFD0B08B)
YUV	181.3500, -20.8785, 23.3721
Hunter-Lab	68.0622, 2.0584, 20.6906

# Details

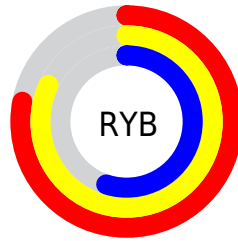
The Yxy color **46.3246, 0.3742, 0.3752** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.1834, 0.2594, 0.2777**, and the grayscale version is **46.5128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8235, 0.3547, 0.3685**, and **21.8120, 0.3902, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **42.1239, 0.3974, 0.3893**, and if you desaturate by 10%, it is **50.9144, 0.3531, 0.3608**.

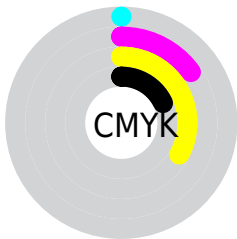
# Distribution



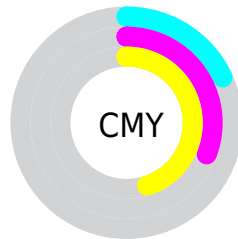
- Red (82%)
- Green (69%)
- Blue (55%)



- Red (78%)
- Yellow (82%)
- Blue (55%)



- Cyan (0%)
- Magenta (15%)
- Yellow (33%)
- Black (18%)




- Cyan (18%)
- Magenta (31%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3246, 0.3742, 0.3752 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 46.3246, 0.3742, 0.3752 by changing the saturation by 10% instead.



 46.3246, 0.3742,  
0.3752


 46.3246, 0.3742,  
0.3752


372.1121, 0.3434,  
0.3527

 32.5020, 0.3818,  
0.3806


 84.7046, 0.3630,  
0.3672

 21.7453, 0.3915,  
0.3872


 110.0308, 0.3588,  
0.3641

 13.6698, 0.4043,  
0.3958


 139.9604, 0.3553,  
0.3615

 7.8914, 0.4216,  
0.4069

174.8777, 0.3522,  
0.3593

 4.0255, 0.4462,  
0.4215

215.1671, 0.3496,  
0.3573

 1.6879, 0.5184,  
0.4728

261.2130, 0.3473,

 0.4158, 0.5686,

0.3556

0.4314

313.3999, 0.3452,  
0.3541

0.0000, 0.0000,  
0.0000

46.3246, 0.3742,  
0.3752

46.3246, 0.3742,  
0.3752

42.1239, 0.3974,  
0.3893

50.9144, 0.3531,  
0.3608

38.2938, 0.4224,  
0.4023

55.8983, 0.3342,  
0.3466

34.8234, 0.4483,  
0.4132

61.2893, 0.3176,  
0.3331


31.6986, 0.4740,  
0.4205


67.0979, 0.3029,  
0.3204

28.9040, 0.4980,  
0.4233


73.3339, 0.2901,  
0.3087


 26.4219, 0.5188,  
0.4206

 79.4251, 0.2837,  
0.3067

 24.8884, 0.5312,  
0.4164

 85.0685, 0.2843,  
0.3170

 91.0158, 0.2848,  
0.3271

 92.1513, 0.2849,  
0.3289

# Harmonies

## Analogous

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



46.3246, 0.3796, 0.3509



46.3246, 0.3742, 0.3752



46.3246, 0.3519, 0.3886

# Triad

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



46.3246, 0.3742, 0.3752



46.3246, 0.2618, 0.3317



46.3246, 0.3028, 0.2800

# Complementary

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



46.3246, 0.3742, 0.3752



39.1834, 0.2594, 0.2777

# 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.



46.3246, 0.2728, 0.2736



46.3246, 0.3742, 0.3752



46.3246, 0.2501, 0.3013

# Square

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



46.3246, 0.3742, 0.3752



46.3246, 0.2868, 0.3635



46.3246, 0.2541, 0.2807



46.3246, 0.3372, 0.2977



# Rectangle

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



46.3246, 0.3742, 0.3752



46.3246, 0.3310, 0.3883



46.3246, 0.2541, 0.2807



46.3246, 0.2919, 0.2765

# Sweetspot

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



46.3267, 0.3742, 0.3752



91.1470, 0.3289, 0.3424



34.8316, 0.3535, 0.2889



19.2544, 0.3314, 0.3444



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.



46.3267, 0.3742, 0.3752



68.5122, 0.3910, 0.3856



60.0615, 0.3604, 0.4116



12.8426, 0.3277, 0.3415



15.7056, 0.5292, 0.4180



1.0361, 0.5037, 0.4382



# Inverse Universe

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



39.1834, 0.2594, 0.2777



55.4526, 0.2473, 0.2641



28.7174, 0.2555, 0.2317



12.3089, 0.2982, 0.3162



8.2999, 0.1742, 0.1472



0.6221, 0.1839, 0.1821



# Previews

## White Background



This preview shows how the Yxy color 46.3246, 0.3742, 0.3752 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 46.3246, 0.3742, 0.3752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

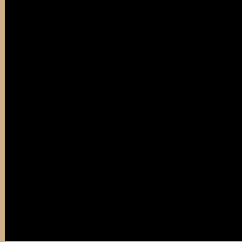
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.3246, 0.3742, 0.3752**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3246, 0.3742, 0.3752.



This preview shows how white text looks on a background with the Yxy color 46.3246, 0.3742, 0.3752.

# 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

46.3246, 0.3742, 0.3752

### Protanopia

46.3083, 0.3566, 0.3812

### Deuteranopia

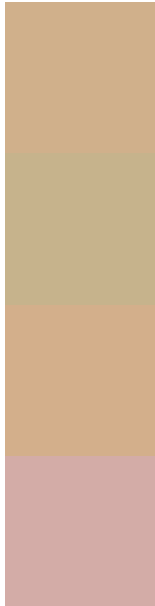
46.2823, 0.3798, 0.3721



## Tritanopia

46.3145, 0.3408, 0.3134

# Trichromacy



**Original Color**

46.3246, 0.3742, 0.3752

**Protanomaly**

46.1394, 0.3628, 0.3792

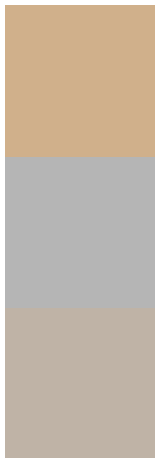
**Deuteranomaly**

46.3729, 0.3774, 0.3736

**Tritanomaly**

46.1440, 0.3530, 0.3353

# Monochromacy



**Original Color**

46.3246, 0.3742, 0.3752

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

46.0697, 0.3340, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3246, 0.3742, 0.3752 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(208, 176, 139)` looks like.

```
.text, #text, p{  
    color:rgb(208, 176, 139)  
}
```

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(208, 176, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 176, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3246, 0.3742, 0.3752 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(208, 176, 139) }
```

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

```
.border{ border-color:rgb(208, 176, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 176, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 176, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 176, 139);  
box-shadow:4px 4px 4px 4px rgb(208, 176,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3246, 0.3742, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 176, 139) }
```

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

```
.background{ background-color: rgb(208,  
176, 139) }
```

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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