

# Converting Colors

$Yxy(49.2485, 0.3752, 0.3753)$

Have a look what the booklet for  
Yxy(49.2485, 0.3752, 0.3753)  
contains.

<b>Yxy(49.3271, 0.3744, 0.3752)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.3271, 0.3744, 0.3752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6B58F
RGB	214, 181, 143
RGB Percent	84%, 71%, 56%
CMY	0.1606, 0.2902, 0.4391
CMYK	0.00, 0.15, 0.33, 0.16
HSL	32°, 46%, 70%
HSV	32°, 33%, 84%
XYZ	49.2219, 49.3271, 32.9198
YIQ	186.5350, 31.8660, -4.8220

# Conversions

## Conversions Part 2

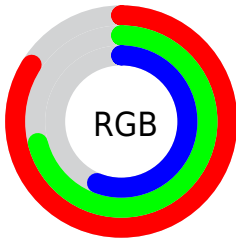
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 214, 143
Decimal	14071183
CIE Lab	75.65, 6.46, 23.79
CIE LCh	76, 24.652, 74.807
Yxy	49.3271, 0.3744, 0.3752
Android (android.graphics.Color)	4292261263 (0xFFD6B58F)
YUV	186.5350, -21.4628, 24.0868
Hunter-Lab	70.2333, 2.1909, 21.3728

# Details

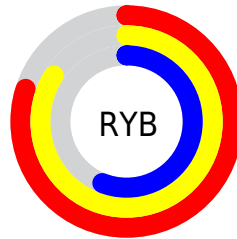
The Yxy color  $49.3271, 0.3744, 0.3752$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $41.7728, 0.2593, 0.2777$ , and the grayscale version is  $49.5317, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.8596, 0.3509, 0.3692$ , and  $23.4802, 0.3917, 0.3872$  is the 20% darker color. If you saturate the color by 10%, you get  $44.8351, 0.3977, 0.3893$ , and if you desaturate by 10%, it is  $54.2369, 0.3532, 0.3608$ .

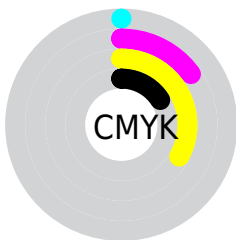
# Distribution



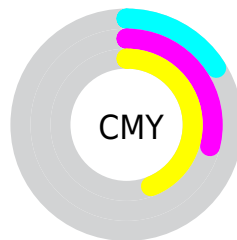
- Red (84%)
- Green (71%)
- Blue (56%)



- Red (80%)
- Yellow (84%)
- Blue (56%)



- Cyan (0%)
- Magenta (15%)
- Yellow (33%)
- Black (16%)




- Cyan (16%)
- Magenta (29%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3271, 0.3744, 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 49.3271, 0.3744, 0.3752 by changing the saturation by 10% instead.





 49.3271, 0.3744,  
0.3752

 49.3271, 0.3744,  
0.3752


384.0286, 0.3438,  
0.3529

 34.8790, 0.3819,  
0.3804


 89.1771, 0.3634,  
0.3673

 23.5697, 0.3913,  
0.3869


 115.3478, 0.3592,  
0.3643

 15.0147, 0.4036,  
0.3952


146.1948, 0.3557,  
0.3617

 8.8297, 0.4203,  
0.4058

182.1025, 0.3527,  
0.3595

 4.6303, 0.4436,  
0.4197

223.4554, 0.3500,  
0.3576

 2.0320, 0.4959,  
0.4541

270.6378, 0.3477,

 0.6260, 0.5460,

0.3558

0.4540

324.0340, 0.3457,  
0.3543

0.0000, 0.0000,  
0.0000

49.3271, 0.3744,  
0.3752

49.3271, 0.3744,  
0.3752

44.8351, 0.3977,  
0.3893

54.2369, 0.3532,  
0.3608

40.7411, 0.4227,  
0.4023

59.5700, 0.3343,  
0.3466

37.0334, 0.4487,  
0.4131

65.3405, 0.3176,  
0.3331

33.6967, 0.4745,  
0.4204

71.5595, 0.3029,  
0.3204

30.7144, 0.4986,  
0.4230

78.2376, 0.2901,  
0.3087

■ 28.0675, 0.5194,  
0.4203

■ 84.2808, 0.2877,  
0.3142

■ 26.4371, 0.5319,  
0.4159

■ 90.3305, 0.2881,  
0.3245

■ 93.0414, 0.2883,  
0.3289

# Harmonies

## Analogous

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



49.3271, 0.3798, 0.3509



49.3271, 0.3744, 0.3752



49.3271, 0.3521, 0.3887

# Triad

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



49.3271, 0.3744, 0.3752



49.3271, 0.2617, 0.3319



49.3271, 0.3026, 0.2799

# Complementary

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



49.3271, 0.3744, 0.3752



41.7728, 0.2593, 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.



49.3271, 0.2726, 0.2735



49.3271, 0.3744, 0.3752



49.3271, 0.2500, 0.3013

# Square

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



49.3271, 0.3744, 0.3752



49.3271, 0.2869, 0.3637



49.3271, 0.2539, 0.2807



49.3271, 0.3371, 0.2976



# Rectangle

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



49.3271, 0.3744, 0.3752



49.3271, 0.3312, 0.3885



49.3271, 0.2539, 0.2807



49.3271, 0.2917, 0.2763

# Sweetspot

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



49.3294, 0.3744, 0.3752



91.1272, 0.3289, 0.3424



37.0925, 0.3536, 0.2888



19.2496, 0.3314, 0.3443



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.



49.3294, 0.3744, 0.3752



68.4479, 0.3910, 0.3855



64.0423, 0.3606, 0.4118



13.5094, 0.3278, 0.3415



16.1842, 0.5298, 0.4176



1.1411, 0.5056, 0.4368

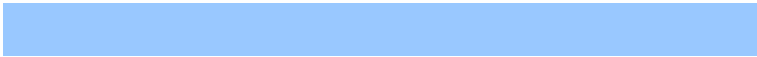


# Inverse Universe

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



41.7728, 0.2593, 0.2777



55.5140, 0.2473, 0.2643



30.5618, 0.2553, 0.2315



12.9517, 0.2982, 0.3162



8.5982, 0.1743, 0.1474

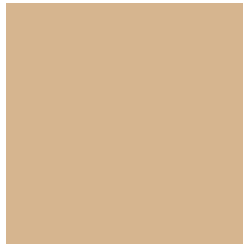


0.6833, 0.1834, 0.1801



# Previews

## White Background



This preview shows how the Yxy color 49.3271, 0.3744, 0.3752 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

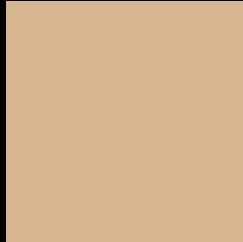
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.3271, 0.3744, 0.3752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

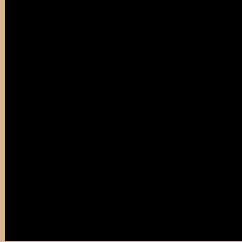
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.3271, 0.3744, 0.3752**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.3271, 0.3744, 0.3752.



This preview shows how white text looks on a background with the Yxy color 49.3271, 0.3744, 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

49.3271, 0.3744, 0.3752

### Protanopia

49.3043, 0.3572, 0.3810

### Deuteranopia

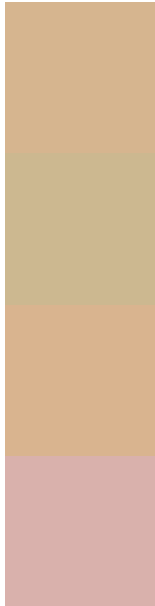
49.2834, 0.3798, 0.3722



## Tritanopia

49.3509, 0.3410, 0.3138

# Trichromacy



**Original Color**

49.3271, 0.3744, 0.3752

**Protanomaly**

49.1320, 0.3633, 0.3791

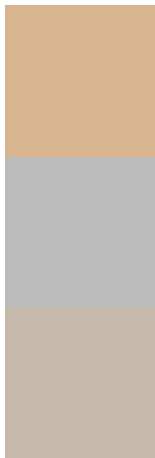
**Deuteranomaly**

49.3774, 0.3775, 0.3736

**Tritanomaly**

49.1746, 0.3529, 0.3351

# Monochromacy



**Original Color**

49.3271, 0.3744, 0.3752

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.5085, 0.3342, 0.3467

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3271, 0.3744, 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(214, 181, 143)` looks like.

```
.text, #text, p{  
    color:rgb(214, 181, 143)  
}
```

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(214, 181, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 181, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3271, 0.3744, 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(214, 181, 143) }
```

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

```
.border{ border-color:rgb(214, 181, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 181, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 181, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 181, 143);  
box-shadow:4px 4px 4px 4px rgb(214, 181,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3271, 0.3744, 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(214, 181, 143) }
```

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

```
.background{ background-color: rgb(214,  
181, 143) }
```

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