

# Converting Colors

$Y_{xy}(49.0695, 0.3753, 0.3689)$

Have a look what the booklet for  
Yxy(49.0695, 0.3753, 0.3689)  
contains.

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# Color

**Yxy(49.0672, 0.3753, 0.3689)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9B392
RGB	217, 179, 146
RGB Percent	85%, 70%, 57%
CMY	0.1491, 0.2980, 0.4275
CMYK	0.00, 0.17, 0.33, 0.15
HSL	28°, 48%, 71%
HSV	28°, 33%, 85%
XYZ	49.9185, 49.0672, 34.0238
YIQ	186.6000, 33.2410, -2.2070

# Conversions

## Conversions Part 2

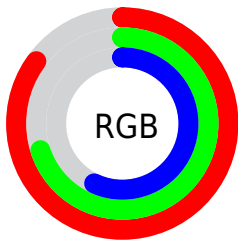
Format	Color
<a href="#">RYB</a>	<a href="#">217, 208, 146</a>
Decimal	<a href="#">14267282</a>
CIELab	<a href="#">75.49, 9.04, 22.03</a>
CIELCh	<a href="#">75, 23.812, 67.686</a>
Yxy	<a href="#">49.0672, 0.3753, 0.3689</a>
Android (android.graphics.Color)	<a href="#">4292457362</a> ( <a href="#">0xFFD9B392</a> )
YUV	<a href="#">186.6000, -20.0158, 26.6608</a>
Hunter-Lab	<a href="#">70.0480, 4.6209, 20.2351</a>

# Details

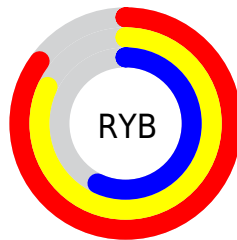
The Yxy color  $49.0672, 0.3753, 0.3689$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $45.3765, 0.2609, 0.2852$ , and the grayscale version is  $49.5573, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.8468, 0.3493, 0.3642$ , and  $23.3250, 0.3932, 0.3786$  is the 20% darker color. If you saturate the color by 10%, you get  $43.9997, 0.4001, 0.3813$ , and if you desaturate by 10%, it is  $54.6588, 0.3532, 0.3562$ .

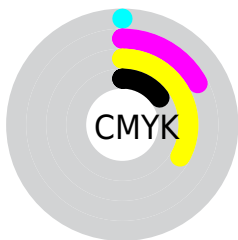
# Distribution



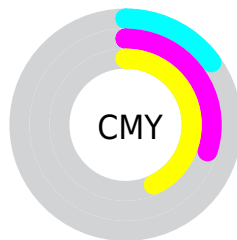
- Red (85%)
- Green (70%)
- Blue (57%)



- Red (85%)
- Yellow (82%)
- Blue (57%)



- Cyan (0%)
- Magenta (17%)
- Yellow (33%)
- Black (15%)




- Cyan (15%)
- Magenta (30%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0672, 0.3753, 0.3689 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 49.0672, 0.3753, 0.3689 by changing the saturation by 10% instead.





 49.0672, 0.3753,  
0.3689


 49.0672, 0.3753,  
0.3689

383.0068, 0.3442,  
0.3498

 34.6728, 0.3830,  
0.3733


 88.7913, 0.3641,  
0.3622

 23.4109, 0.3927,  
0.3788


 114.8897, 0.3598,  
0.3596

 14.8972, 0.4054,  
0.3857

145.6582, 0.3562,  
0.3574

 8.7473, 0.4228,  
0.3946

181.4813, 0.3531,  
0.3555

 4.5767, 0.4474,  
0.4060

222.7433, 0.3504,  
0.3538

 2.0011, 0.4978,  
0.4316

269.8287, 0.3481,

 0.6081, 0.5677,

0.3523

0.4323

323.1217, 0.3460,  
0.3510

0.0000, 0.0000,  
0.0000

49.0672, 0.3753,  
0.3689

49.0672, 0.3753,  
0.3689

43.9997, 0.4001,  
0.3813

54.6588, 0.3532,  
0.3562

39.4326, 0.4272,  
0.3928

60.7836, 0.3338,  
0.3439

35.3502, 0.4561,  
0.4021

67.4591, 0.3169,  
0.3321

31.7332, 0.4853,  
0.4080

74.6998, 0.3023,  
0.3211

28.5604, 0.5130,  
0.4094

82.5196, 0.2896,  
0.3109

■ 25.8081, 0.5373,  
0.4053

■ 89.4926, 0.2897,  
0.3224

■ 24.0478, 0.5525,  
0.3995

■ 93.4892, 0.2900,  
0.3289

# Harmonies

## Analogous

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



49.0672, 0.3760, 0.3439



49.0672, 0.3753, 0.3689



49.0672, 0.3572, 0.3850

# Triad

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



49.0672, 0.3753, 0.3689



49.0672, 0.2681, 0.3394



49.0672, 0.2954, 0.2788

# Complementary

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



49.0672, 0.3753, 0.3689



45.3765, 0.2609, 0.2852

# 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.



49.0672, 0.2684, 0.2756



49.0672, 0.3753, 0.3689



49.0672, 0.2533, 0.3087

# Square

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



49.0672, 0.3753, 0.3689



49.0672, 0.2950, 0.3687



49.0672, 0.2534, 0.2859



49.0672, 0.3285, 0.2936



# Rectangle

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



49.0672, 0.3753, 0.3689



49.0672, 0.3382, 0.3875



49.0672, 0.2534, 0.2859



49.0672, 0.2854, 0.2763

# Sweetspot

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



49.0695, 0.3753, 0.3689



90.0716, 0.3291, 0.3407



38.8038, 0.3469, 0.2825



18.9944, 0.3316, 0.3424



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.



49.0695, 0.3753, 0.3689



65.8020, 0.3914, 0.3772



64.6306, 0.3630, 0.4066



14.0452, 0.3280, 0.3399



14.7669, 0.5502, 0.4014



1.1280, 0.5234, 0.4226

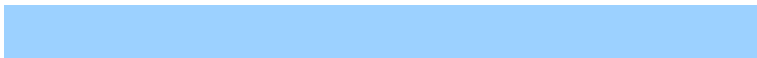


# Inverse Universe

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



45.3765, 0.2609, 0.2852



59.7113, 0.2503, 0.2747



32.7797, 0.2549, 0.2374



13.7645, 0.2982, 0.3178



10.8128, 0.1806, 0.1703



0.8724, 0.1884, 0.1982



# Previews

## White Background



This preview shows how the Yxy color 49.0672, 0.3753, 0.3689 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 49.0672, 0.3753, 0.3689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

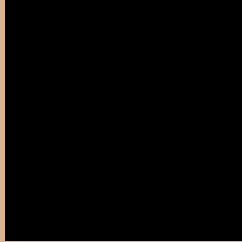
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.0672, 0.3753, 0.3689**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0672, 0.3753, 0.3689.



This preview shows how white text looks on a background with the Yxy color 49.0672, 0.3753, 0.3689.

# 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

49.0672, 0.3753, 0.3689

### Protanopia

49.2935, 0.3530, 0.3761

### Deuteranopia

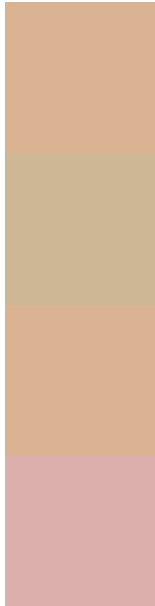
49.2209, 0.3762, 0.3687



## Tritanopia

48.8471, 0.3440, 0.3127

# Trichromacy



**Original Color**

49.0672, 0.3753, 0.3689

**Protanomaly**

48.9842, 0.3611, 0.3728

**Deuteranomaly**

49.2209, 0.3762, 0.3687

**Tritanomaly**

48.8541, 0.3561, 0.3327

# Monochromacy



**Original Color**

49.0672, 0.3753, 0.3689

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.2653, 0.3344, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0672, 0.3753, 0.3689 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(217, 179, 146)` looks like.

```
.text, #text, p{  
  color:rgb(217, 179, 146)  
}
```

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(217, 179, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 179, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0672, 0.3753, 0.3689 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(217, 179, 146) }
```

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

```
.border{ border-color:rgb(217, 179, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 179, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 179, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 179, 146);  
box-shadow:4px 4px 4px 4px rgb(217, 179,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0672, 0.3753, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 179, 146) }
```

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

```
.background{ background-color: rgb(217,  
179, 146) }
```

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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