

# Converting Colors

Yxy(49.5253, 0.3763, 0.3633)

Have a look what the booklet for  
Yxy(49.5253, 0.3763, 0.3633)  
contains.

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# Color

**Yxy(49.3829, 0.3767, 0.3636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDB295
RGB	221, 178, 149
RGB Percent	87%, 70%, 58%
CMY	0.1334, 0.3019, 0.4157
CMYK	0.00, 0.19, 0.33, 0.13
HSL	24°, 51%, 73%
HSV	24°, 33%, 87%
XYZ	51.1621, 49.3829, 35.2716
YIQ	187.5510, 34.9370, 0.0970

# Conversions

## Conversions Part 2

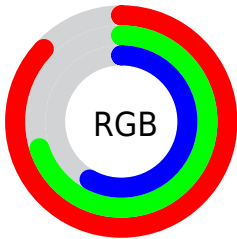
Format	Color
R <sub>Y</sub> B	221, 198, 149
Decimal	14529173
CIE Lab	75.69, 11.52, 20.73
CIE LCh	76, 23.713, 60.936
Yxy	49.3829, 0.3767, 0.3636
Android (android.graphics.Color)	4292719253 (0xFFDDB295)
YUV	187.5510, -19.0056, 29.3348
Hunter-Lab	70.2730, 6.9789, 19.4321

# Details

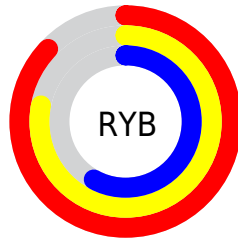
The Yxy color **49.3829, 0.3767, 0.3636** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.3042, 0.2618, 0.2914**, and the grayscale version is **50.1175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4174, 0.3475, 0.3602**, and **23.5484, 0.3953, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **43.7437, 0.4029, 0.3745**, and if you desaturate by 10%, it is **55.6658, 0.3537, 0.3525**.

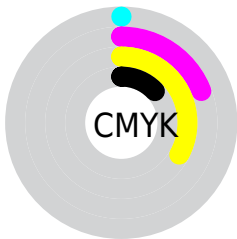
# Distribution



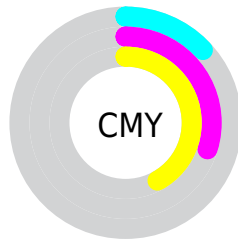
- Red (87%)
- Green (70%)
- Blue (58%)



- Red (87%)
- Yellow (78%)
- Blue (58%)



- Cyan (0%)
- Magenta (19%)
- Yellow (33%)
- Black (13%)




- Cyan (13%)
- Magenta (30%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3829, 0.3767, 0.3636 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 49.3829, 0.3767, 0.3636 by changing the saturation by 10% instead.





 49.3829, 0.3767,  
0.3636

 49.3829, 0.3767,  
0.3636


384.2478, 0.3448,  
0.3473

 34.9233, 0.3846,  
0.3673


 89.2599, 0.3652,  
0.3579

 23.6038, 0.3946,  
0.3719


 115.4461, 0.3608,  
0.3557

 15.0400, 0.4077,  
0.3777


146.3099, 0.3572,  
0.3538

 8.8475, 0.4256,  
0.3849

182.2358, 0.3540,  
0.3521

 4.6418, 0.4513,  
0.3941

223.6081, 0.3512,  
0.3507

 2.0387, 0.4990,  
0.4118

270.8113, 0.3488,

 0.6298, 0.5830,

0.3494

0.4170

324.2297, 0.3467,  
0.3483

0.0000, 0.0000,  
0.0000

49.3829, 0.3767,  
0.3636

49.3829, 0.3767,  
0.3636

43.7437, 0.4029,  
0.3745

55.6658, 0.3537,  
0.3525

38.7195, 0.4320,  
0.3844

62.6060, 0.3338,  
0.3418

34.2893, 0.4635,  
0.3923

70.2256, 0.3167,  
0.3315

30.4284, 0.4958,  
0.3969

78.5432, 0.3020,  
0.3220

27.1094, 0.5267,  
0.3969

87.2833, 0.2920,  
0.3177

■ 24.3022, 0.5538,  
0.3917

■ 94.1106, 0.2923,  
0.3289

■ 22.5215, 0.5708,  
0.3850

# Harmonies

## Analogous

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



49.3829, 0.3732, 0.3378



49.3829, 0.3767, 0.3636



49.3829, 0.3622, 0.3822

# Triad

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



49.3829, 0.3767, 0.3636



49.3829, 0.2735, 0.3465



49.3829, 0.2887, 0.2773

# Complementary

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



49.3829, 0.3767, 0.3636



49.3042, 0.2618, 0.2914

# 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.



49.3829, 0.2641, 0.2771



49.3829, 0.3767, 0.3636



49.3829, 0.2557, 0.3153

# Square

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



49.3829, 0.3767, 0.3636



49.3829, 0.3021, 0.3736



49.3829, 0.2524, 0.2902



49.3829, 0.3209, 0.2896



# Rectangle

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



49.3829, 0.3767, 0.3636



49.3829, 0.3448, 0.3872



49.3829, 0.2524, 0.2902



49.3829, 0.2793, 0.2757

# Sweetspot

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



49.3852, 0.3767, 0.3636



89.1323, 0.3293, 0.3391



40.6823, 0.3432, 0.2787



18.7677, 0.3318, 0.3406



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.



49.3852, 0.3767, 0.3636



62.9530, 0.3940, 0.3710



65.5285, 0.3640, 0.4027



13.9084, 0.3282, 0.3385



13.2931, 0.5680, 0.3872



1.0273, 0.5384, 0.4107



# Inverse Universe

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



49.3042, 0.2618, 0.2914



62.8091, 0.2514, 0.2822



35.4562, 0.2558, 0.2427



13.9036, 0.2982, 0.3194



12.8403, 0.1867, 0.1920



0.9991, 0.1935, 0.2166



# Previews

## White Background



This preview shows how the Yxy color 49.3829, 0.3767, 0.3636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

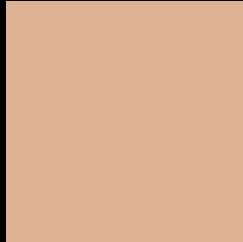
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.3829, 0.3767, 0.3636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

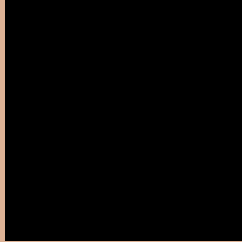
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.3829, 0.3767, 0.3636**

## Background



This preview shows how black text looks on a background with the Yxy color 49.3829, 0.3767, 0.3636.



This preview shows how white text looks on a background with the Yxy color 49.3829, 0.3767, 0.3636.

# 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

49.3829, 0.3767, 0.3636

### Protanopia

49.4235, 0.3497, 0.3709

### Deuteranopia

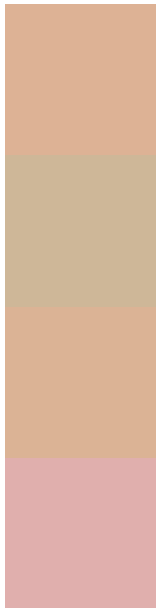
49.3156, 0.3736, 0.3651



## Tritanopia

49.4399, 0.3485, 0.3141

# Trichromacy



**Original Color**

49.3829, 0.3767, 0.3636

**Protanomaly**

49.2558, 0.3586, 0.3676

**Deuteranomaly**

49.4702, 0.3745, 0.3650

**Tritanomaly**

49.5244, 0.3588, 0.3315

# Monochromacy



**Original Color**

49.3829, 0.3767, 0.3636

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.6163, 0.3345, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3829, 0.3767, 0.3636 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(221, 178, 149)` looks like.

```
.text, #text, p{  
    color:rgb(221, 178, 149)  
}
```

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(221, 178, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 178, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3829, 0.3767, 0.3636 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(221, 178, 149) }
```

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

```
.border{ border-color:rgb(221, 178, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 178, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 178, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 178, 149); box-shadow:4px 4px 4px 4px rgb(221, 178, 149) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3829, 0.3767, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 178, 149) }
```

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

```
.background{ background-color: rgb(221,  
178, 149) }
```

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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