

# Converting Colors

$Yxy(48.6572, 0.3757, 0.3589)$

Have a look what the booklet for  
Yxy(48.6572, 0.3757, 0.3589)  
contains.

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# Color

**Yxy(48.6572, 0.3757, 0.3589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDB097
RGB	221, 176, 151
RGB Percent	87%, 69%, 59%
CMY	0.1332, 0.3098, 0.4079
CMYK	0.00, 0.20, 0.32, 0.13
HSL	21°, 51%, 73%
HSV	21°, 32%, 87%
XYZ	50.9348, 48.6572, 35.9811
YIQ	186.6050, 34.8450, 1.7650

# Conversions

## Conversions Part 2

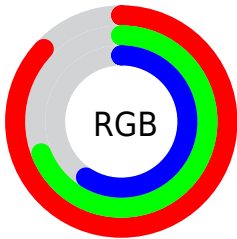
Format	Color
R <sub>Y</sub> B	221, 190, 151
Decimal	14528663
CIE Lab	75.24, 12.86, 19.03
CIE LCh	75, 22.972, 55.952
Yxy	48.6572, 0.3757, 0.3589
Android (android.graphics.Color)	4292718743 (0xFFDDB097)
YUV	186.6050, -17.5533, 30.1644
Hunter-Lab	69.7547, 8.2698, 18.2451

# Details

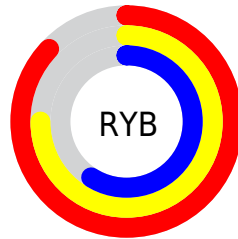
The Yxy color **48.6572, 0.3757, 0.3589** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.2886, 0.2637, 0.2969**, and the grayscale version is **49.5477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3810, 0.3465, 0.3562**, and **23.0854, 0.3941, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **42.7234, 0.4026, 0.3686**, and if you desaturate by 10%, it is **55.3136, 0.3524, 0.3491**.

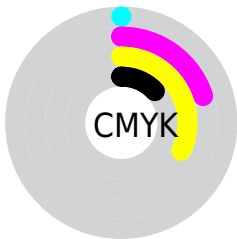
# Distribution



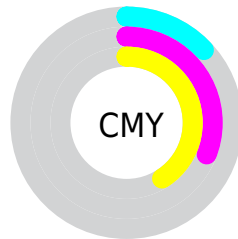
- Red (87%)
- Green (69%)
- Blue (59%)



- Red (87%)
- Yellow (75%)
- Blue (59%)



- Cyan (0%)
- Magenta (20%)
- Yellow (32%)
- Black (13%)




- Cyan (13%)
- Magenta (31%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6572, 0.3757, 0.3589 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 48.6572, 0.3757, 0.3589 by changing the saturation by 10% instead.





 48.6572, 0.3757,  
0.3589


 48.6572, 0.3757,  
0.3589


381.3912, 0.3442,  
0.3448

 34.3476, 0.3835,  
0.3621


 88.1821, 0.3643,  
0.3540

 23.1608, 0.3935,  
0.3660


 114.1662, 0.3600,  
0.3521

 14.7123, 0.4066,  
0.3709

144.8107, 0.3564,  
0.3505

 8.6177, 0.4247,  
0.3771

180.4998, 0.3532,  
0.3490

 4.4927, 0.4509,  
0.3847

221.6180, 0.3505,  
0.3478

 1.9528, 0.4981,  
0.3986

268.5497, 0.3482,

 0.5798, 0.5988,

0.3467

0.4012

321.6793, 0.3461,  
0.3457

0.0000, 0.0000,  
0.0000

48.6572, 0.3757,  
0.3589

48.6572, 0.3757,  
0.3589

42.7234, 0.4026,  
0.3686

55.3136, 0.3524,  
0.3491

37.4799, 0.4330,  
0.3775

62.7098, 0.3324,  
0.3395

32.9019, 0.4662,  
0.3845

70.8709, 0.3153,  
0.3305

28.9605, 0.5007,  
0.3885

79.8187, 0.3009,  
0.3221

25.6241, 0.5341,  
0.3881

89.1482, 0.2921,  
0.3209

■ 22.8574, 0.5634,  
0.3826

■ 94.1159, 0.2923,  
0.3289

■ 20.9560, 0.5835,  
0.3749

# Harmonies

## Analogous

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



48.6572, 0.3692, 0.3332



48.6572, 0.3757, 0.3589



48.6572, 0.3643, 0.3786

# Triad

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



48.6572, 0.3757, 0.3589



48.6572, 0.2786, 0.3510



48.6572, 0.2846, 0.2776

# Complementary

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



48.6572, 0.3757, 0.3589



51.2886, 0.2637, 0.2969

# 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.



48.6572, 0.2625, 0.2796



48.6572, 0.3757, 0.3589



48.6572, 0.2591, 0.3205

# Square

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



48.6572, 0.3757, 0.3589



48.6572, 0.3077, 0.3757



48.6572, 0.2535, 0.2946



48.6572, 0.3153, 0.2879



# Rectangle

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



48.6572, 0.3757, 0.3589



48.6572, 0.3486, 0.3851



48.6572, 0.2535, 0.2946



48.6572, 0.2760, 0.2769

# Sweetspot

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



48.6595, 0.3757, 0.3589



88.4470, 0.3294, 0.3380



41.5153, 0.3388, 0.2762



18.6024, 0.3320, 0.3393



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.



48.6595, 0.3757, 0.3589



61.7388, 0.3931, 0.3654



63.9601, 0.3637, 0.3971



13.8086, 0.3283, 0.3374



12.3657, 0.5807, 0.3771



0.9607, 0.5494, 0.4019

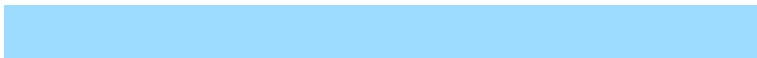


# Inverse Universe

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



51.2886, 0.2637, 0.2969



65.8967, 0.2538, 0.2890



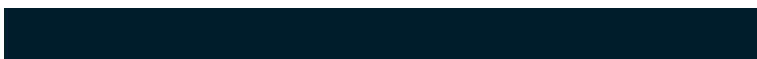
37.4638, 0.2581, 0.2502



14.0066, 0.2982, 0.3205



14.5081, 0.1912, 0.2083



1.1005, 0.1973, 0.2302



# Previews

## White Background



This preview shows how the Yxy color 48.6572, 0.3757, 0.3589 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 48.6572, 0.3757, 0.3589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

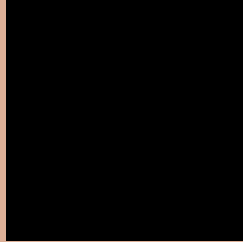
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.6572, 0.3757, 0.3589**

## Background



This preview shows how black text looks on a background with the Yxy color 48.6572, 0.3757, 0.3589.



This preview shows how white text looks on a background with the Yxy color 48.6572, 0.3757, 0.3589.

# 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

48.6572, 0.3757, 0.3589

### Protanopia

48.8002, 0.3465, 0.3674

### Deuteranopia

48.5222, 0.3694, 0.3619



## Tritanopia

48.5941, 0.3507, 0.3141

# Trichromacy



**Original Color**

48.6572, 0.3757, 0.3589

**Protanomaly**

48.7681, 0.3563, 0.3640

**Deuteranomaly**

48.4304, 0.3716, 0.3605

**Tritanomaly**

48.7130, 0.3603, 0.3303

# Monochromacy



**Original Color**

48.6572, 0.3757, 0.3589

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.0651, 0.3338, 0.3403

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6572, 0.3757, 0.3589 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, 176, 151)` looks like.

```
.text, #text, p{  
    color:rgb(221, 176, 151)  
}
```

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, 176, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 176, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6572, 0.3757, 0.3589 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, 176, 151) }
```

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

```
.border{ border-color:rgb(221, 176, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 176, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 176, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 176, 151);  
box-shadow:4px 4px 4px 4px rgb(221, 176,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6572, 0.3757, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 176, 151) }
```

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

```
.background{ background-color: rgb(221,  
176, 151) }
```

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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