

# Converting Colors

$Yxy(47.5177, 0.3732, 0.3604)$

Have a look what the booklet for  
Yxy(47.5177, 0.3732, 0.3604)  
contains.

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# Color

**Yxy(47.4288, 0.3732, 0.3607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8AF95
RGB	216, 175, 149
RGB Percent	85%, 69%, 58%
CMY	0.1529, 0.3137, 0.4158
CMYK	0.00, 0.19, 0.31, 0.15
HSL	23°, 46%, 72%
HSV	23°, 31%, 85%
XYZ	49.0724, 47.4288, 34.9898
YIQ	184.2950, 32.7820, 0.6060

# Conversions

## Conversions Part 2

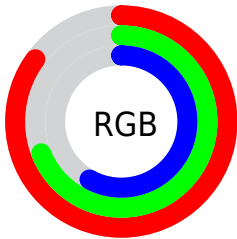
Format	Color
R <sub>Y</sub> B	216, 191, 149
Decimal	14200725
CIE Lab	74.46, 11.19, 18.98
CIE LCh	74, 22.033, 59.483
Yxy	47.4288, 0.3732, 0.3607
Android (android.graphics.Color)	4292390805 (0xFFD8AF95)
YUV	184.2950, -17.4004, 27.8053
Hunter-Lab	68.8686, 6.6705, 18.0848

# Details

The Yxy color  $47.4288, 0.3732, 0.3607$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $48.1582, 0.2644, 0.2948$ , and the grayscale version is  $48.1891, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.7236, 0.3481, 0.3573$ , and  $22.5213, 0.3902, 0.3695$  is the 20% darker color. If you saturate the color by 10%, you get  $41.9102, 0.3991, 0.3712$ , and if you desaturate by 10%, it is  $53.5828, 0.3506, 0.3501$ .

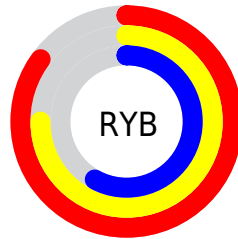
# Distribution



Red (85%)

Green (69%)

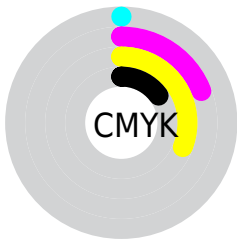
Blue (58%)



Red (85%)

Yellow (75%)

Blue (58%)

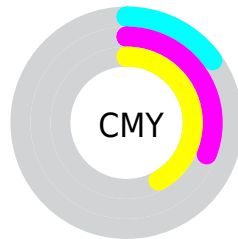


Cyan (0%)

Magenta (19%)

Yellow (31%)

Black (15%)



Cyan (15%)

Magenta (31%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4288, 0.3732, 0.3607 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 47.4288, 0.3732, 0.3607 by changing the saturation by 10% instead.





 47.4288, 0.3732,  
0.3607


 47.4288, 0.3732,  
0.3607


376.5235, 0.3429,  
0.3456

 33.3748, 0.3808,  
0.3642


 86.3533, 0.3622,  
0.3554

 22.4137, 0.3904,  
0.3685


 111.9926, 0.3580,  
0.3534

 14.1612, 0.4032,  
0.3740


142.2625, 0.3545,  
0.3516

 8.2329, 0.4208,  
0.3809

177.5472, 0.3515,  
0.3501

 4.2443, 0.4465,  
0.3898

218.2313, 0.3489,  
0.3487

 1.8111, 0.4969,  
0.4091

264.6991, 0.3466,

 0.4941, 0.6005,

0.3476

0.3995

317.3351, 0.3446,  
0.3465

0.0000, 0.0000,  
0.0000

47.4288, 0.3732,  
0.3607

47.4288, 0.3732,  
0.3607

41.9102, 0.3991,  
0.3712

53.5828, 0.3506,  
0.3501

36.9991, 0.4283,  
0.3810

60.3861, 0.3310,  
0.3397

32.6748, 0.4600,  
0.3889

67.8601, 0.3143,  
0.3300

28.9128, 0.4929,  
0.3938

76.0234, 0.3000,  
0.3209

25.6865, 0.5249,  
0.3944

84.7659, 0.2889,  
0.3146

■ 22.9664, 0.5533,  
0.3898

■ 92.8755, 0.2894,  
0.3282

■ 20.9238, 0.5746,  
0.3819

■ 93.3394, 0.2894,  
0.3289

# Harmonies

## Analogous

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



47.4288, 0.3690, 0.3361



47.4288, 0.3732, 0.3607



47.4288, 0.3604, 0.3786

# Triad

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



47.4288, 0.3732, 0.3607



47.4288, 0.2769, 0.3469



47.4288, 0.2888, 0.2798

# Complementary

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



47.4288, 0.3732, 0.3607



48.1582, 0.2644, 0.2948

# 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.



47.4288, 0.2660, 0.2803



47.4288, 0.3732, 0.3607



47.4288, 0.2594, 0.3176

# Square

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



47.4288, 0.3732, 0.3607



47.4288, 0.3043, 0.3719



47.4288, 0.2556, 0.2935



47.4288, 0.3190, 0.2910



# Rectangle

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



47.4288, 0.3732, 0.3607



47.4288, 0.3444, 0.3836



47.4288, 0.2556, 0.2935



47.4288, 0.2800, 0.2786

# Sweetspot

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



47.4310, 0.3732, 0.3607



89.9782, 0.3276, 0.3378



39.8166, 0.3402, 0.2799



18.9287, 0.3302, 0.3392



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.



47.4310, 0.3732, 0.3607



63.8876, 0.3892, 0.3674



61.9693, 0.3618, 0.3979



13.2039, 0.3281, 0.3381



12.5795, 0.5719, 0.3841



0.9171, 0.5399, 0.4095

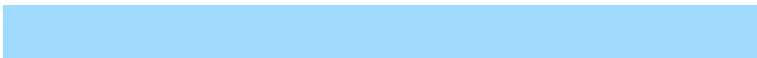


# Inverse Universe

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



48.1582, 0.2644, 0.2948



65.0877, 0.2547, 0.2867



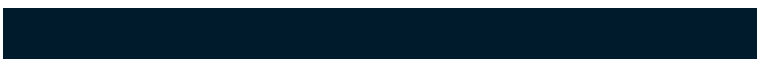
35.3887, 0.2591, 0.2491



13.2603, 0.2982, 0.3197



12.9346, 0.1881, 0.1973



0.9387, 0.1951, 0.2225



# Previews

## White Background



This preview shows how the Yxy color 47.4288, 0.3732, 0.3607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

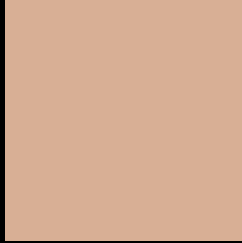
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.4288, 0.3732, 0.3607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

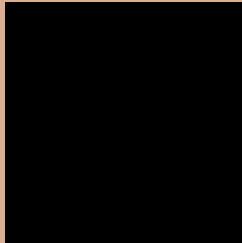
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.4288, 0.3732, 0.3607**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4288, 0.3732, 0.3607.



This preview shows how white text looks on a background with the Yxy color 47.4288, 0.3732, 0.3607.

# 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

47.4288, 0.3732, 0.3607

### Protanopia

47.6362, 0.3469, 0.3678

### Deuteranopia

47.3667, 0.3700, 0.3622



## Tritanopia

47.3840, 0.3473, 0.3138

# Trichromacy



**Original Color**

47.4288, 0.3732, 0.3607

**Protanomaly**

47.4661, 0.3559, 0.3645

**Deuteranomaly**

47.5167, 0.3709, 0.3621

**Tritanomaly**

47.5054, 0.3568, 0.3303

# Monochromacy



**Original Color**

47.4288, 0.3732, 0.3607

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.7238, 0.3340, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4288, 0.3732, 0.3607 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(216, 175, 149)` looks like.

```
.text, #text, p{  
    color:rgb(216, 175, 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(216, 175, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 175, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4288, 0.3732, 0.3607 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(216, 175, 149) }
```

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

```
.border{ border-color:rgb(216, 175, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 175, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 175, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 175, 149);  
box-shadow:4px 4px 4px 4px rgb(216, 175,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4288, 0.3732, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 175, 149) }
```

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

```
.background{ background-color: rgb(216,  
175, 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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