

# Converting Colors

Yxy(46.8690, 0.3592, 0.3613)

Have a look what the booklet for  
Yxy(46.8690, 0.3592, 0.3613)  
contains.

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# Color

**Yxy(47.0869, 0.3592, 0.3617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDB298
RGB	205, 178, 152
RGB Percent	80%, 70%, 60%
CMY	0.1962, 0.3019, 0.4039
CMYK	0.00, 0.13, 0.26, 0.20
HSL	29°, 35%, 70%
HSV	29°, 26%, 80%
XYZ	46.7614, 47.0869, 36.3339
YIQ	183.1090, 24.4380, -2.3620

# Conversions

## Conversions Part 2

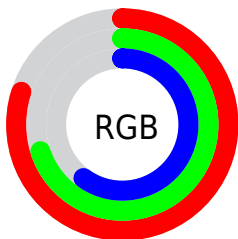
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 203, 152
Decimal	13480600
CIE Lab	74.25, 5.73, 16.87
CIE LCh	74, 17.819, 71.245
Yxy	47.0869, 0.3592, 0.3617
Android (android.graphics.Color)	4291670680 (0xFFCDB298)
YUV	183.1090, -15.3367, 19.1984
Hunter-Lab	68.6199, 1.5551, 16.6402

# Details

The Yxy color  $47.0869, 0.3592, 0.3617$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $43.3159, 0.2720, 0.2939$ , and the grayscale version is  $47.4929, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.5619, 0.3455, 0.3572$ , and  $22.0908, 0.3725, 0.3697$  is the 20% darker color. If you saturate the color by 10%, you get  $42.4775, 0.3816, 0.3750$ , and if you desaturate by 10%, it is  $52.1327, 0.3393, 0.3486$ .

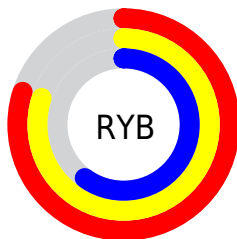
# Distribution



Red (80%)

Green (70%)

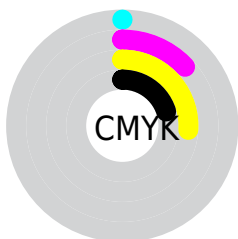
Blue (60%)



Red (80%)

Yellow (80%)

Blue (60%)

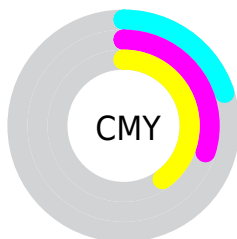


Cyan (0%)

Magenta (13%)

Yellow (26%)

Black (20%)



Cyan (20%)

Magenta (30%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0869, 0.3592, 0.3617 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 47.0869, 0.3592, 0.3617 by changing the saturation by 10% instead.





 47.0869, 0.3592,  
0.3617

 47.0869, 0.3592,  
0.3617


375.1613, 0.3359,  
0.3457

 33.1044, 0.3650,  
0.3656


 85.8433, 0.3507,  
0.3560

 22.2064, 0.3724,  
0.3704


 111.3860, 0.3476,  
0.3538

 14.0086, 0.3823,  
0.3767


141.5508, 0.3449,  
0.3520

 8.1267, 0.3959,  
0.3851

176.7222, 0.3426,  
0.3504

 4.1761, 0.4158,  
0.3969

217.2846, 0.3406,  
0.3490

 1.7726, 0.4535,  
0.4194

263.6223, 0.3388,

 0.4700, 0.5552,

0.3478

0.4448

316.1197, 0.3373,  
0.3467

0.0000, 0.0000,  
0.0000

47.0869, 0.3592,  
0.3617

47.0869, 0.3592,  
0.3617

42.4775, 0.3816,  
0.3750

52.1327, 0.3393,  
0.3486

38.2850, 0.4064,  
0.3878

57.6208, 0.3219,  
0.3360

34.4980, 0.4332,  
0.3993

63.5650, 0.3066,  
0.3242

31.1017, 0.4611,  
0.4083

69.9767, 0.2934,  
0.3132

28.0803, 0.4887,  
0.4136

76.8665, 0.2819,  
0.3031

■ 25.4161, 0.5142,  
0.4140

■ 82.8892, 0.2823,  
0.3138

■ 23.0889, 0.5360,  
0.4089

■ 89.2335, 0.2830,  
0.3248

■ 22.2091, 0.5444,  
0.4059

■ 91.7165, 0.2832,  
0.3289

# Harmonies

## Analogous

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



47.0869, 0.3612, 0.3434



47.0869, 0.3592, 0.3617



47.0869, 0.3444, 0.3722

# Triad

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



47.0869, 0.3592, 0.3617



47.0869, 0.2768, 0.3343



47.0869, 0.3026, 0.2912

# Complementary

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



47.0869, 0.3592, 0.3617



43.3159, 0.2720, 0.2939

# 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.



47.0869, 0.2809, 0.2878



47.0869, 0.3592, 0.3617



47.0869, 0.2665, 0.3115

# Square

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



47.0869, 0.3592, 0.3617



47.0869, 0.2966, 0.3565



47.0869, 0.2680, 0.2948



47.0869, 0.3278, 0.3037



# Rectangle

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



47.0869, 0.3592, 0.3617



47.0869, 0.3295, 0.3726



47.0869, 0.2680, 0.2948



47.0869, 0.2947, 0.2889

# Sweetspot

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



47.0890, 0.3592, 0.3617



92.3061, 0.3256, 0.3388



38.7065, 0.3396, 0.2949



19.4593, 0.3282, 0.3407



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.



47.0890, 0.3592, 0.3617



72.8669, 0.3713, 0.3691



58.4764, 0.3517, 0.3920



12.1077, 0.3278, 0.3404



14.0181, 0.5422, 0.4077



0.8750, 0.5120, 0.4317



# Inverse Universe

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



43.3159, 0.2720, 0.2939



65.6579, 0.2629, 0.2851



33.8310, 0.2686, 0.2571



11.7725, 0.2983, 0.3173



9.1458, 0.1784, 0.1622



0.6236, 0.1881, 0.1972



# Previews

## White Background



This preview shows how the Yxy color 47.0869, 0.3592, 0.3617 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 47.0869, 0.3592, 0.3617 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

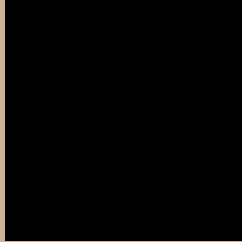
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.0869, 0.3592, 0.3617**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.0869, 0.3592, 0.3617.



This preview shows how white text looks on a background with the Yxy color 47.0869, 0.3592, 0.3617.

# 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

47.0869, 0.3592, 0.3617

### Protanopia

46.9955, 0.3445, 0.3654

### Deuteranopia

47.1666, 0.3655, 0.3587



## Tritanopia

47.0303, 0.3332, 0.3121

# Trichromacy



**Original Color**

47.0869, 0.3592, 0.3617

**Protanomaly**

47.2180, 0.3501, 0.3650

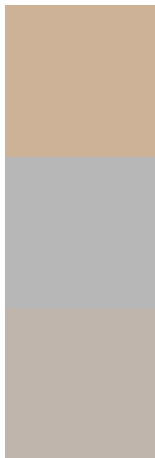
**Deuteranomaly**

47.2666, 0.3633, 0.3601

**Tritanomaly**

47.1258, 0.3433, 0.3303

# Monochromacy



**Original Color**

47.0869, 0.3592, 0.3617

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

47.1027, 0.3287, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0869, 0.3592, 0.3617 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(205, 178, 152)` looks like.

```
.text, #text, p{  
    color:rgb(205, 178, 152)  
}
```

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(205, 178, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 178, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0869, 0.3592, 0.3617 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(205, 178, 152) }
```

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

```
.border{ border-color:rgb(205, 178, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 178, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 178, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 178, 152);  
box-shadow:4px 4px 4px 4px rgb(205, 178,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0869, 0.3592, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 178, 152) }
```

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

```
.background{ background-color: rgb(205,  
178, 152) }
```

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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