

# Converting Colors

$Yxy(47.0374, 0.3999, 0.4318)$

Have a look what the booklet for  
Yxy(47.0374, 0.3999, 0.4318)  
contains.

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**Color**

**Yxy(47.0342, 0.3999, 0.4318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBB662
RGB	203, 182, 98
RGB Percent	80%, 71%, 38%
CMY	0.2039, 0.2862, 0.6158
CMYK	0.00, 0.10, 0.52, 0.20
HSL	48°, 50%, 59%
HSV	48°, 52%, 80%
XYZ	43.5595, 47.0342, 18.3322
YIQ	178.7030, 39.4800, -21.6720

# Conversions

## Conversions Part 2

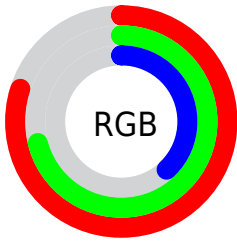
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 203, 98
Decimal	13350498
CIELab	74.21, -3.35, 45.10
CIELCh	74, 45.224, 94.247
Yxy	47.0342, 0.3999, 0.4318
Android (android.graphics.Color)	4291540578 (0xFFCBB662)
YUV	178.7030, -39.7866, 21.3085
Hunter-Lab	68.5815, -6.6435, 32.1585

# Details

The Yxy color **47.0342, 0.3999, 0.4318** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.0930, 0.2203, 0.1976**, and the grayscale version is **45.1128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6434, 0.3802, 0.4158**, and **22.1170, 0.4208, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **45.0626, 0.4165, 0.4479**, and if you desaturate by 10%, it is **49.1556, 0.3824, 0.4132**.

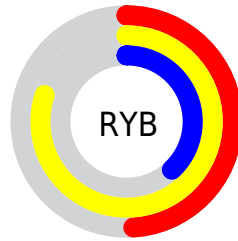
# Distribution



Red (80%)

Green (71%)

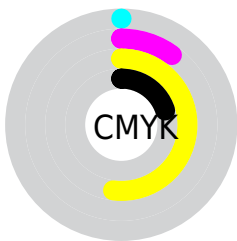
Blue (38%)



Red (49%)

Yellow (80%)

Blue (38%)

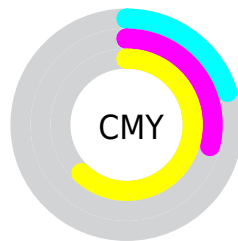


Cyan (0%)

Magenta (10%)

Yellow (52%)

Black (20%)



Cyan (20%)

Magenta (29%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0342, 0.3999, 0.4318 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 47.0342, 0.3999, 0.4318 by changing the saturation by 10% instead.




 47.0342, 0.3999,  
0.4318

 47.0342, 0.3999,  
0.4318


374.9510, 0.3583,  
0.3819


 33.0627, 0.4091,  
0.4432


 85.7647, 0.3855,  
0.4143

 22.1745, 0.4201,  
0.4570


 111.2924, 0.3799,  
0.4076

 13.9852, 0.4330,  
0.4737


 141.4410, 0.3750,  
0.4017

 8.1103, 0.4475,  
0.4934

 176.5949, 0.3708,  
0.3967

 4.1656, 0.4727,  
0.5273

217.1385, 0.3671,  
0.3923

 1.7666, 0.4678,  
0.5322

263.4561, 0.3638,

 0.4663, 0.4367,

0.3884

0.5633

315.9321, 0.3609,  
0.3850

0.0000, 0.0000,  
0.0000

47.0342, 0.3999,  
0.4318

47.0342, 0.3999,  
0.4318

45.0626, 0.4165,  
0.4479

49.1556, 0.3824,  
0.4132

43.2262, 0.4315,  
0.4606

51.4273, 0.3646,  
0.3932

41.5183, 0.4440,  
0.4690

53.8580, 0.3473,  
0.3726

39.9281, 0.4537,  
0.4727

56.4537, 0.3308,  
0.3521

38.6869, 0.4600,  
0.4730

59.2201, 0.3153,  
0.3323

■ 62.1625, 0.3010,  
0.3136

■ 65.2859, 0.2880,  
0.2960

■ 68.2440, 0.2793,  
0.2851

■ 70.3291, 0.2796,  
0.2896

# Harmonies

## Analogous

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



47.0342, 0.4339, 0.3937



47.0342, 0.3999, 0.4318



47.0342, 0.3443, 0.4438

# Triad

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



47.0342, 0.3999, 0.4318



47.0342, 0.2054, 0.2926



47.0342, 0.3340, 0.2606

# Complementary

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



47.0342, 0.3999, 0.4318



20.0930, 0.2203, 0.1976

# 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.



47.0342, 0.2719, 0.2366



47.0342, 0.3999, 0.4318



47.0342, 0.2033, 0.2499

# Square

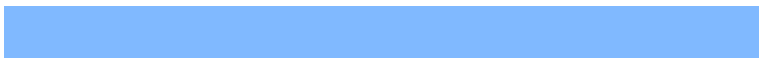
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.0342, 0.3999, 0.4318



47.0342, 0.2331, 0.3549



47.0342, 0.2261, 0.2319



47.0342, 0.3954, 0.2993



# Rectangle

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



47.0342, 0.3999, 0.4318



47.0342, 0.3031, 0.4294



47.0342, 0.2261, 0.2319



47.0342, 0.3123, 0.2507

# Sweetspot

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



47.0364, 0.3999, 0.4318



92.5526, 0.3381, 0.3612



22.7589, 0.4297, 0.3026



19.6167, 0.3415, 0.3655



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.



47.0364, 0.3999, 0.4318



75.1121, 0.4182, 0.4495



52.3045, 0.3604, 0.4658



12.7009, 0.3270, 0.3474



24.7523, 0.4593, 0.4735



1.3763, 0.4501, 0.4808



# Inverse Universe

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



20.0930, 0.2203, 0.1976



25.3242, 0.1998, 0.1645



17.7482, 0.2411, 0.1763



11.2011, 0.2982, 0.3099



3.8387, 0.1558, 0.0807

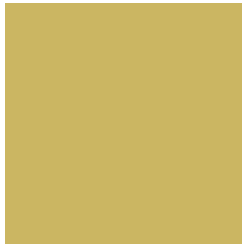


0.3075, 0.1658, 0.1167



# Previews

## White Background



This preview shows how the Yxy color 47.0342, 0.3999, 0.4318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

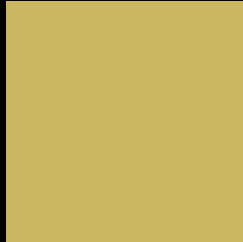
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0342, 0.3999, 0.4318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

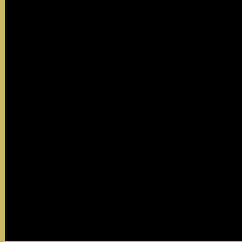
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.0342, 0.3999, 0.4318**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.0342, 0.3999, 0.4318.

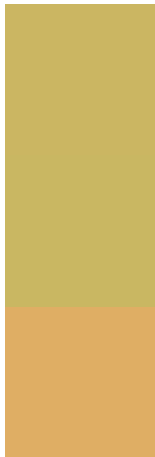


This preview shows how white text looks on a background with the Yxy color 47.0342, 0.3999, 0.4318.

# 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

47.0342, 0.3999, 0.4318

### Protanopia

47.1663, 0.3974, 0.4336

### Deuteranopia

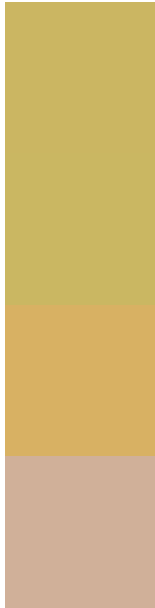
46.8802, 0.4224, 0.4137



## Tritanopia

46.8567, 0.3369, 0.3134

# Trichromacy



**Original Color**

47.0342, 0.3999, 0.4318

**Protanomaly**

47.3054, 0.3983, 0.4332

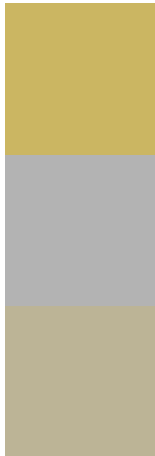
**Deuteranomaly**

46.9441, 0.4146, 0.4204

**Tritanomaly**

46.7605, 0.3618, 0.3577

# Monochromacy



**Original Color**

47.0342, 0.3999, 0.4318

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

45.5359, 0.3447, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0342, 0.3999, 0.4318 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(203, 182, 98)` looks like.

```
.text, #text, p{  
    color:rgb(203, 182, 98)  
}
```

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(203, 182, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 182, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0342, 0.3999, 0.4318 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(203, 182, 98) }
```

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

```
.border{ border-color:rgb(203, 182, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 182, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 182, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 182, 98);  
box-shadow:4px 4px 4px 4px rgb(203, 182,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0342, 0.3999, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 182, 98) }
```

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

```
.background{ background-color: rgb(203,  
182, 98) }
```

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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