

# Converting Colors

$Yxy(38.9085, 0.4241, 0.4043)$

Have a look what the booklet for  
Yxy(38.9085, 0.4241, 0.4043)  
contains.

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# Color

**Yxy(38.9999, 0.4246, 0.4048)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D29E60
RGB	210, 158, 96
RGB Percent	82%, 62%, 38%
CMY	0.1766, 0.3803, 0.6236
CMYK	0.00, 0.25, 0.54, 0.18
HSL	33°, 56%, 60%
HSV	33°, 54%, 82%
XYZ	40.9075, 38.9999, 16.4362
YIQ	166.4800, 50.8940, -8.2580

# Conversions

## Conversions Part 2

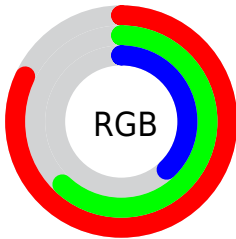
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 210, 96
Decimal	13803104
CIELab	68.75, 12.20, 39.63
CIElCh	69, 41.468, 72.890
Yxy	38.9999, 0.4246, 0.4048
Android (android.graphics.Color)	4291993184 (0xFFD29E60)
YUV	166.4800, -34.7466, 38.1670
Hunter-Lab	62.4499, 7.6382, 28.1104

# Details

The Yxy color **38.9999, 0.4246, 0.4048** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.2950, 0.2247, 0.2352**, and the grayscale version is **38.5308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9866, 0.3924, 0.3957**, and **17.4929, 0.4559, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **35.5266, 0.4502, 0.4155**, and if you desaturate by 10%, it is **42.8344, 0.3997, 0.3918**.

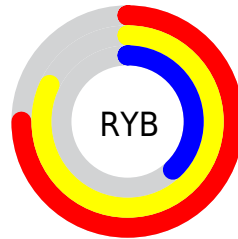
# Distribution



Red (82%)

Green (62%)

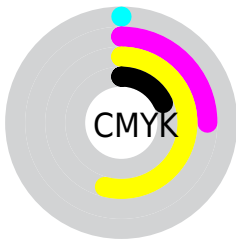
Blue (38%)



Red (75%)

Yellow (82%)

Blue (38%)

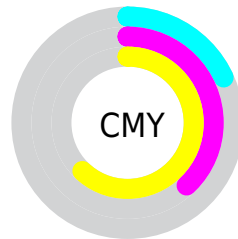


Cyan (0%)

Magenta (25%)

Yellow (54%)

Black (18%)



Cyan (18%)

Magenta (38%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9999, 0.4246, 0.4048 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 38.9999, 0.4246, 0.4048 by changing the saturation by 10% instead.




 38.9999, 0.4246,  
0.4048


 38.9999, 0.4246,  
0.4048


341.8901, 0.3680,  
0.3689

 26.7596, 0.4383,  
0.4125


 73.6382, 0.4042,  
0.3926


 17.3928, 0.4554,  
0.4214


 96.8050, 0.3964,  
0.3877

 10.5149, 0.4769,  
0.4314


 124.3828, 0.3899,  
0.3835

 5.7417, 0.5047,  
0.4418

 156.7559, 0.3842,  
0.3798

 2.6887, 0.5459,  
0.4541

194.3088, 0.3793,  
0.3766

 0.9714, 0.5681,  
0.4319

237.4259, 0.3751,

 0.0000, 1.0000,

0.3737

0.0000

286.4915, 0.3713,  
0.3712

0.0000, 0.0000,  
0.0000

38.9999, 0.4246,  
0.4048

38.9999, 0.4246,  
0.4048

35.5266, 0.4502,  
0.4155

42.8344, 0.3997,  
0.3918

32.3947, 0.4754,  
0.4225

47.0375, 0.3765,  
0.3775

29.5903, 0.4987,  
0.4249

51.6234, 0.3553,  
0.3629

27.0954, 0.5187,  
0.4218

56.6033, 0.3362,  
0.3485

25.7930, 0.5289,  
0.4183

61.9884, 0.3193,  
0.3347

■ 67.7889, 0.3044,  
0.3217

■ 74.0148, 0.2914,  
0.3096

■ 80.0850, 0.2849,  
0.3075

■ 85.6986, 0.2854,  
0.3176

# Harmonies

## Analogous

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



38.9999, 0.4345, 0.3597



38.9999, 0.4246, 0.4048



38.9999, 0.3839, 0.4363

# Triad

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



38.9999, 0.4246, 0.4048



38.9999, 0.2245, 0.3358



38.9999, 0.2893, 0.2435

# Complementary

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



38.9999, 0.4246, 0.4048



28.2950, 0.2247, 0.2352

# 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.



38.9999, 0.2388, 0.2331



38.9999, 0.4246, 0.4048



38.9999, 0.2045, 0.2792

# Square

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



38.9999, 0.4246, 0.4048



38.9999, 0.2681, 0.3981



38.9999, 0.2096, 0.2442



38.9999, 0.3518, 0.2718



# Rectangle

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



38.9999, 0.4246, 0.4048



38.9999, 0.3465, 0.4412



38.9999, 0.2096, 0.2442



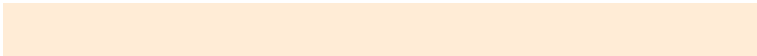
38.9999, 0.2705, 0.2378

# Sweetspot

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



39.0018, 0.4246, 0.4048



86.3508, 0.3397, 0.3512



24.2358, 0.3946, 0.2643



18.1325, 0.3435, 0.3542



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.



39.0018, 0.4246, 0.4048



54.4129, 0.4539, 0.4167



60.0616, 0.3875, 0.4596



12.8592, 0.3277, 0.3417



15.9437, 0.5268, 0.4199



1.0491, 0.5019, 0.4397

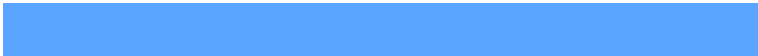


# Inverse Universe

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



28.2950, 0.2247, 0.2352



36.1886, 0.2076, 0.2110



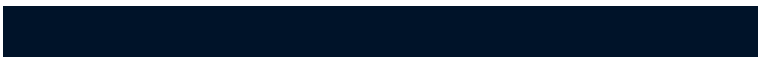
15.7133, 0.2112, 0.1577



12.2925, 0.2982, 0.3160



8.1036, 0.1735, 0.1445

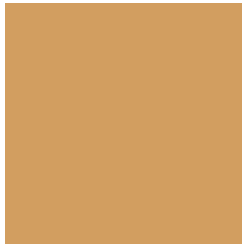


0.6108, 0.1833, 0.1797



# Previews

## White Background



This preview shows how the Yxy color 38.9999, 0.4246, 0.4048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

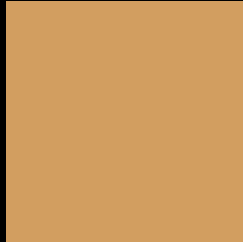
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.9999, 0.4246, 0.4048 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 38.9999, 0.4246, 0.4048**

## Background



This preview shows how black text looks on a background with the Yxy color 38.9999, 0.4246, 0.4048.



This preview shows how white text looks on a background with the Yxy color 38.9999, 0.4246, 0.4048.

# 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

38.9999, 0.4246, 0.4048

### Protanopia

39.1157, 0.3883, 0.4211

### Deuteranopia

38.9470, 0.4191, 0.4099



## Tritanopia

38.8684, 0.3677, 0.3144

# Trichromacy



**Original Color**

38.9999, 0.4246, 0.4048

**Protanomaly**

38.7892, 0.4008, 0.4143

**Deuteranomaly**

38.8879, 0.4218, 0.4081

**Tritanomaly**

38.7636, 0.3897, 0.3479

# Monochromacy



**Original Color**

38.9999, 0.4246, 0.4048

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

38.0626, 0.3514, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.9999, 0.4246, 0.4048 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(210, 158, 96)` looks like.

```
.text, #text, p{  
    color:rgb(210, 158, 96)  
}
```

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(210, 158, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 158, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 38.9999, 0.4246, 0.4048 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(210, 158, 96) }
```

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

```
.border{ border-color:rgb(210, 158, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 158, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 158, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 158, 96);  
box-shadow:4px 4px 4px 4px rgb(210, 158,  
96) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 38.9999, 0.4246, 0.4048$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 158, 96) }
```

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

```
.background{ background-color: rgb(210,  
158, 96) }
```

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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