

# Converting Colors

$Yxy(39.0011, 0.4325, 0.4239)$

Have a look what the booklet for  
Yxy(39.0011, 0.4325, 0.4239)  
contains.

<b>Yxy(39.0011, 0.4325, 0.4239)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(39.0011, 0.4325, 0.4239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFA051
RGB	207, 160, 81
RGB Percent	81%, 63%, 32%
CMY	0.1881, 0.3726, 0.6824
CMYK	0.00, 0.23, 0.61, 0.19
HSL	38°, 57%, 56%
HSV	38°, 61%, 81%
XYZ	39.7923, 39.0011, 13.2120
YIQ	165.0470, 53.3710, -14.6050

# Conversions

## Conversions Part 2

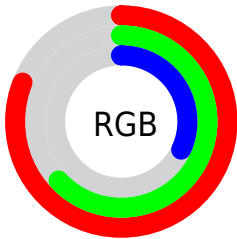
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 207, 81
Decimal	13606993
CIELab	68.75, 8.73, 47.11
CIELCh	69, 47.912, 79.496
Yxy	39.0011, 0.4325, 0.4239
Android (android.graphics.Color)	4291797073 (0xFFCFA051)
YUV	165.0470, -41.4352, 36.7928
Hunter-Lab	62.4509, 4.4474, 31.1723

# Details

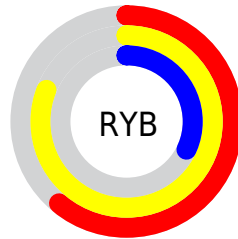
The Yxy color **39.0011, 0.4325, 0.4239** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.6960, 0.2109, 0.2044**, and the grayscale version is **37.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5543, 0.4018, 0.4121**, and **17.4206, 0.4622, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **36.1430, 0.4543, 0.4340**, and if you desaturate by 10%, it is **42.1241, 0.4101, 0.4106**.

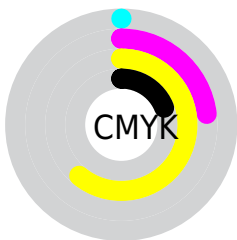
# Distribution



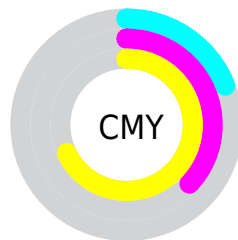
- Red (81%)
- Green (63%)
- Blue (32%)



- Red (61%)
- Yellow (81%)
- Blue (32%)



- Cyan (0%)
- Magenta (23%)
- Yellow (61%)
- Black (19%)




- Cyan (19%)
- Magenta (37%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0011, 0.4325, 0.4239 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 39.0011, 0.4325, 0.4239 by changing the saturation by 10% instead.





 39.0011, 0.4325,  
0.4239


 39.0011, 0.4325,  
0.4239


341.8952, 0.3730,  
0.3791

 26.7606, 0.4462,  
0.4333


 73.6400, 0.4115,  
0.4088

 17.3935, 0.4628,  
0.4439


 96.8072, 0.4034,  
0.4027


 10.5154, 0.4825,  
0.4552


 124.3854, 0.3964,  
0.3974

 5.7420, 0.5131,  
0.4727

 156.7589, 0.3905,  
0.3928

 2.6889, 0.5298,  
0.4702

 194.3123, 0.3852,  
0.3888

 0.9715, 0.5462,  
0.4538

237.4299, 0.3807,

 0.0000, 1.0000,

0.3852

0.0000

286.4960, 0.3766,  
0.3820

0.0000, 0.0000,  
0.0000

39.0011, 0.4325,  
0.4239

39.0011, 0.4325,  
0.4239

36.1430, 0.4543,  
0.4340

42.1241, 0.4101,  
0.4106

33.5321, 0.4744,  
0.4398

45.5170, 0.3880,  
0.3952

31.1566, 0.4917,  
0.4405

49.1915, 0.3671,  
0.3788

29.1755, 0.5050,  
0.4373

53.1567, 0.3477,  
0.3622

57.4213, 0.3300,  
0.3459

■ 61.9934, 0.3140,  
0.3303

■ 66.8808, 0.2998,  
0.3157

■ 72.0907, 0.2872,  
0.3021

■ 76.8123, 0.2828,  
0.3019

# Harmonies

## Analogous

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



39.0011, 0.4540, 0.3738



39.0011, 0.4325, 0.4239



39.0011, 0.3794, 0.4566

# Triad

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



39.0011, 0.4325, 0.4239



39.0011, 0.2046, 0.3198



39.0011, 0.3005, 0.2377

# Complementary

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



39.0011, 0.4325, 0.4239



21.6960, 0.2109, 0.2044

# 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.



39.0011, 0.2389, 0.2211



39.0011, 0.4325, 0.4239



39.0011, 0.1890, 0.2597

# Square

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



39.0011, 0.4325, 0.4239



39.0011, 0.2480, 0.3948



39.0011, 0.2008, 0.2272



39.0011, 0.3733, 0.2730



# Rectangle

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



39.0011, 0.4325, 0.4239



39.0011, 0.3349, 0.4575



39.0011, 0.2008, 0.2272



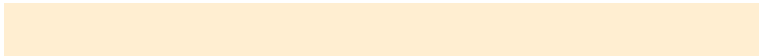
39.0011, 0.2778, 0.2298

# Sweetspot

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



39.0030, 0.4325, 0.4239



86.9443, 0.3428, 0.3578



20.7443, 0.4266, 0.2709



18.1906, 0.3482, 0.3626



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.



39.0030, 0.4325, 0.4239



56.6146, 0.4606, 0.4363



56.4783, 0.3854, 0.4771



13.0253, 0.3275, 0.3435



18.5643, 0.5034, 0.4385



1.1875, 0.4841, 0.4538



# Inverse Universe

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



21.6960, 0.2109, 0.2044



26.7441, 0.1917, 0.1730



12.8588, 0.2056, 0.1392



12.1300, 0.2982, 0.3140



6.3706, 0.1666, 0.1198

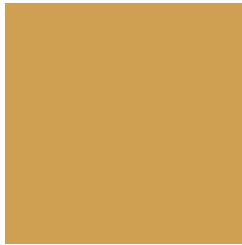


0.5067, 0.1770, 0.1571



# Previews

## White Background



This preview shows how the Yxy color 39.0011, 0.4325, 0.4239 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 39.0011, 0.4325, 0.4239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

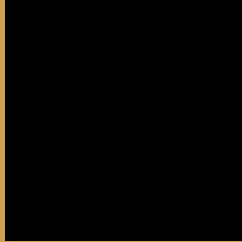
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.0011, 0.4325, 0.4239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.0011, 0.4325, 0.4239.



This preview shows how white text looks on a background with the Yxy color 39.0011, 0.4325, 0.4239.

# 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

39.0011, 0.4325, 0.4239

### Protanopia

39.0845, 0.4029, 0.4393

### Deuteranopia

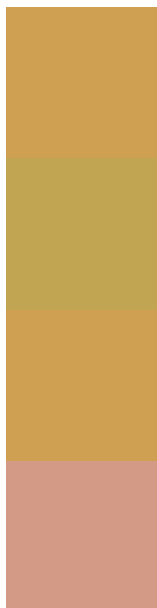
39.0011, 0.4325, 0.4239



## Tritanopia

38.8880, 0.3654, 0.3156

# Trichromacy



## Original Color

39.0011, 0.4325, 0.4239

## Protanomaly

39.0041, 0.4140, 0.4333

## Deuteranomaly

39.0011, 0.4325, 0.4239

## Tritanomaly

38.6535, 0.3924, 0.3556

# Monochromacy



## Original Color

39.0011, 0.4325, 0.4239

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

37.6189, 0.3560, 0.3697

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0011, 0.4325, 0.4239 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(207, 160, 81)` looks like.

```
.text, #text, p{  
    color:rgb(207, 160, 81)  
}
```

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(207, 160, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 160, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0011, 0.4325, 0.4239 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(207, 160, 81) }
```

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

```
.border{ border-color:rgb(207, 160, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 160, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 160, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 160, 81);  
box-shadow:4px 4px 4px 4px rgb(207, 160,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0011, 0.4325, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 160, 81) }
```

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

```
.background{ background-color: rgb(207,  
160, 81) }
```

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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