

# Converting Colors

$Y_{xy}(39.5021, 0.4396, 0.4420)$

Have a look what the booklet for  
Yxy(39.5021, 0.4396, 0.4420)  
contains.

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# Color

**Yxy(39.5552, 0.4390, 0.4427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDA341
RGB	205, 163, 65
RGB Percent	80%, 64%, 25%
CMY	0.1962, 0.3607, 0.7450
CMYK	0.00, 0.20, 0.68, 0.20
HSL	42°, 58%, 53%
HSV	42°, 68%, 80%
XYZ	39.2246, 39.5552, 10.5701
YIQ	164.3860, 56.4900, -21.5740

# Conversions

## Conversions Part 2

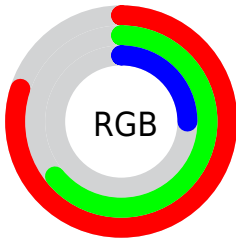
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 205, 65
Decimal	13476673
CIELab	69.15, 5.22, 54.89
CIELCh	69, 55.143, 84.563
Yxy	39.5552, 0.4390, 0.4427
Android (android.graphics.Color)	4291666753 (0xFFCDA341)
YUV	164.3860, -48.9973, 35.6185
Hunter-Lab	62.8929, 1.2630, 34.0605

# Details

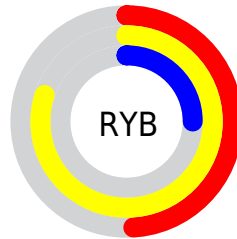
The Yxy color **39.5552, 0.4390, 0.4427** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.0425, 0.1956, 0.1700**, and the grayscale version is **37.5371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6872, 0.4104, 0.4291**, and **17.7980, 0.4668, 0.4656** is the 20% darker color. If you saturate the color by 10%, you get **37.2310, 0.4564, 0.4511**, and if you desaturate by 10%, it is **42.0755, 0.4198, 0.4303**.

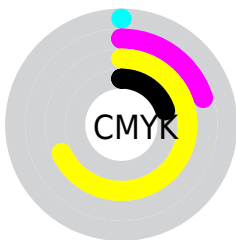
# Distribution



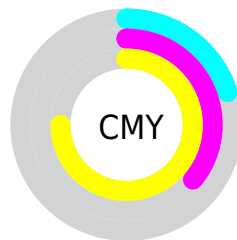
- Red (80%)
- Green (64%)
- Blue (25%)



- Red (49%)
- Yellow (80%)
- Blue (25%)



- Cyan (0%)
- Magenta (20%)
- Yellow (68%)
- Black (20%)




- Cyan (20%)
- Magenta (36%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5552, 0.4390, 0.4427 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 39.5552, 0.4390, 0.4427 by changing the saturation by 10% instead.




 39.5552, 0.4390,  
0.4427


 39.5552, 0.4390,  
0.4427

344.2452, 0.3780,  
0.3896

 27.1919, 0.4521,  
0.4534


 74.4857, 0.4181,  
0.4250

 17.7174, 0.4672,  
0.4651


 97.8217, 0.4098,  
0.4179


 10.7473, 0.4839,  
0.4770


 125.5841, 0.4027,  
0.4116

 5.8972, 0.5072,  
0.4928

 158.1572, 0.3964,  
0.4061

 2.7827, 0.5127,  
0.4873

 195.9255, 0.3910,  
0.4012

 1.0193, 0.5226,  
0.4774

239.2733, 0.3861,

 0.0000, 1.0000,

0.3969

0.0000

288.5851, 0.3819,  
0.3930

0.0000, 0.0000,  
0.0000

39.5552, 0.4390,  
0.4427

39.5552, 0.4390,  
0.4427

37.2310, 0.4564,  
0.4511

42.0755, 0.4198,  
0.4303

35.0858, 0.4712,  
0.4547

44.7960, 0.3998,  
0.4149

33.1050, 0.4830,  
0.4536

47.7275, 0.3798,  
0.3976

32.7776, 0.4849,  
0.4532

50.8778, 0.3605,  
0.3794

54.2546, 0.3423,  
0.3611

■ 57.8648, 0.3255,  
0.3432

■ 61.7150, 0.3102,  
0.3261

■ 65.8115, 0.2964,  
0.3101

■ 70.1602, 0.2840,  
0.2952

# Harmonies

## Analogous

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



39.5552, 0.4724, 0.3868



39.5552, 0.4390, 0.4427



39.5552, 0.3741, 0.4775

# Triad

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



39.5552, 0.4390, 0.4427



39.5552, 0.1857, 0.3036



39.5552, 0.3118, 0.2320

# Complementary

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



39.5552, 0.4390, 0.4427



16.0425, 0.1956, 0.1700

# 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.



39.5552, 0.2390, 0.2097



39.5552, 0.4390, 0.4427



39.5552, 0.1743, 0.2410

# Square

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



39.5552, 0.4390, 0.4427



39.5552, 0.2282, 0.3904



39.5552, 0.1923, 0.2112



39.5552, 0.3952, 0.2737



# Rectangle

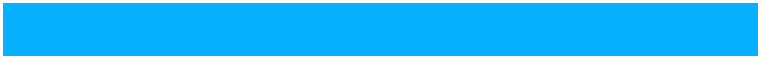
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.5552, 0.4390, 0.4427



39.5552, 0.3228, 0.4743



39.5552, 0.1923, 0.2112



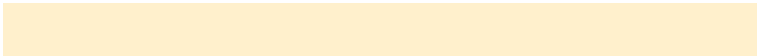
39.5552, 0.2852, 0.2221

# Sweetspot

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



39.5571, 0.4390, 0.4427



87.7681, 0.3458, 0.3647



17.8201, 0.4693, 0.2814



18.4452, 0.3509, 0.3699



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.



39.5571, 0.4390, 0.4427



59.2891, 0.4638, 0.4534



53.3809, 0.3808, 0.4968



12.5066, 0.3273, 0.3452



20.5826, 0.4837, 0.4541



1.1907, 0.4683, 0.4664



# Inverse Universe

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



16.0425, 0.1956, 0.1700



18.6500, 0.1755, 0.1331



10.5164, 0.2007, 0.1212



11.3833, 0.2983, 0.3123



4.9995, 0.1614, 0.1010



0.3918, 0.1725, 0.1411



# Previews

## White Background



This preview shows how the Yxy color 39.5552, 0.4390, 0.4427 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 39.5552, 0.4390, 0.4427 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 39.5552, 0.4390, 0.4427**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.5552, 0.4390, 0.4427.



This preview shows how white text looks on a background with the Yxy color 39.5552, 0.4390, 0.4427.

# 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

39.5552, 0.4390, 0.4427

### Protanopia

39.4725, 0.4157, 0.4566

### Deuteranopia

39.5847, 0.4451, 0.4371



## Tritanopia

39.4961, 0.3608, 0.3143

# Trichromacy



## Original Color

39.5552, 0.4390, 0.4427

## Protanomaly

39.5001, 0.4240, 0.4521

## Deuteranomaly

39.6439, 0.4422, 0.4392

## Tritanomaly

39.2542, 0.3929, 0.3645

# Monochromacy



## Original Color

39.5552, 0.4390, 0.4427

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

37.6931, 0.3603, 0.3797

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5552, 0.4390, 0.4427 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, 163, 65)` looks like.

```
.text, #text, p{  
    color:rgb(205, 163, 65)  
}
```

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, 163, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 163, 65) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5552, 0.4390, 0.4427 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, 163, 65) }
```

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

```
.border{ border-color:rgb(205, 163, 65) }
```

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

Here you see how a box with a 4 pixel rgb(205, 163, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 163, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 163, 65);  
box-shadow:4px 4px 4px 4px rgb(205, 163,  
65) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5552, 0.4390, 0.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 163, 65) }
```

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

```
.background{ background-color: rgb(205,  
163, 65) }
```

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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