

# Converting Colors

$Yxy(54.7385, 0.3835, 0.4394)$

Have a look what the booklet for  
Yxy(54.7385, 0.3835, 0.4394)  
contains.

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# Color

**Yxy(54.6049, 0.3840, 0.4395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBC76B
RGB	203, 199, 107
RGB Percent	80%, 78%, 42%
CMY	0.2038, 0.2196, 0.5805
CMYK	0.00, 0.02, 0.47, 0.20
HSL	57°, 48%, 61%
HSV	57°, 47%, 80%
XYZ	47.7094, 54.6049, 21.9289
YIQ	189.7080, 31.9160, -27.7640

# Conversions

## Conversions Part 2

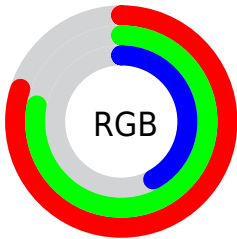
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 203, 107
Decimal	13354859
CIELab	78.81, -11.31, 46.24
CIELCh	79, 47.601, 103.745
Yxy	54.6049, 0.3840, 0.4395
Android (android.graphics.Color)	4291544939 (0xFFCBC76B)
YUV	189.7080, -40.7750, 11.6571
Hunter-Lab	73.8951, -14.0703, 34.1318

# Details

The Yxy color **54.6049, 0.3840, 0.4395** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.8068, 0.2246, 0.1875**, and the grayscale version is **51.5428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **26.7394, 0.3991, 0.4666** is the 20% darker color. If you saturate the color by 10%, you get **53.8390, 0.3970, 0.4590**, and if you desaturate by 10%, it is **55.4783, 0.3695, 0.4175**.

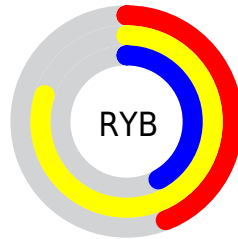
# Distribution



Red (80%)

Green (78%)

Blue (42%)



Red (44%)

Yellow (80%)

Blue (42%)

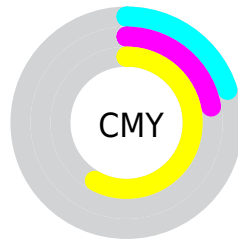


Cyan (0%)

Magenta (2%)

Yellow (47%)

Black (20%)



Cyan (20%)

Magenta (22%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6049, 0.3840, 0.4395 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 54.6049, 0.3840, 0.4395 by changing the saturation by 10% instead.





 54.6049, 0.3840,  
0.4395


 54.6049, 0.3840,  
0.4395


404.4125, 0.3515,  
0.3860

 39.0855, 0.3908,  
0.4519


 96.9618, 0.3731,  
0.4207


 26.8262, 0.3988,  
0.4670


 124.5681, 0.3687,  
0.4134

 17.4428, 0.4078,  
0.4857


 156.9722, 0.3649,  
0.4072

 10.5507, 0.4174,  
0.5088

 194.5584, 0.3615,  
0.4018

 5.7656, 0.4323,  
0.5450

237.7111, 0.3586,  
0.3971

 2.7031, 0.4290,  
0.5710

286.8148, 0.3559,

 0.9787, 0.3995,

0.3929

0.6005

342.2538, 0.3536,  
0.3893

0.0000, 0.0000,  
0.0000

54.6049, 0.3840,  
0.4395

54.6049, 0.3840,  
0.4395

53.8390, 0.3970,  
0.4590

55.4783, 0.3695,  
0.4175

53.1659, 0.4081,  
0.4751

56.4582, 0.3543,  
0.3940

52.5801, 0.4167,  
0.4872


57.5529, 0.3388,  
0.3699


52.0722, 0.4227,  
0.4949


58.7679, 0.3235,  
0.3460


51.6291, 0.4261,  
0.4986


60.1084, 0.3088,  
0.3229

 51.5148, 0.4269,  
0.4993

 61.5791, 0.2950,  
0.3009

 63.1845, 0.2822,  
0.2804

 63.9668, 0.2787,  
0.2755

 64.3768, 0.2787,  
0.2764

# Harmonies

## Analogous

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



54.6049, 0.4265, 0.4076



54.6049, 0.3840, 0.4395



54.6049, 0.3248, 0.4396

# Triad

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



54.6049, 0.3840, 0.4395



54.6049, 0.2018, 0.2764



54.6049, 0.3546, 0.2715

# Complementary

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



54.6049, 0.3840, 0.4395



18.8068, 0.2246, 0.1875

# 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.



54.6049, 0.2904, 0.2421



54.6049, 0.3840, 0.4395



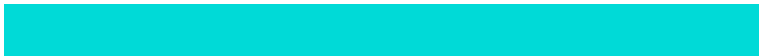
54.6049, 0.2078, 0.2415

# Square

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



54.6049, 0.3840, 0.4395



54.6049, 0.2215, 0.3340



54.6049, 0.2382, 0.2309



54.6049, 0.4111, 0.3136



# Rectangle

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



54.6049, 0.3840, 0.4395



54.6049, 0.2841, 0.4162



54.6049, 0.2382, 0.2309



54.6049, 0.3329, 0.2600

# Sweetspot

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



54.6074, 0.3840, 0.4395



96.9601, 0.3340, 0.3624



24.3758, 0.4349, 0.3232



20.6611, 0.3373, 0.3677



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.



54.6074, 0.3840, 0.4395



90.0756, 0.3976, 0.4598



51.2367, 0.3451, 0.4596



13.0130, 0.3267, 0.3510



32.8104, 0.4267, 0.4994



1.7182, 0.4252, 0.5006



# Inverse Universe

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



18.8068, 0.2246, 0.1875



22.9429, 0.2030, 0.1519



21.3270, 0.2626, 0.1955



10.9180, 0.2982, 0.3061



2.8947, 0.1508, 0.0630



0.1763, 0.1536, 0.0730



# Previews

## White Background



This preview shows how the Yxy color 54.6049, 0.3840, 0.4395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

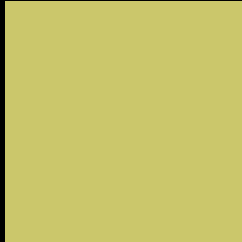
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.6049, 0.3840, 0.4395 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

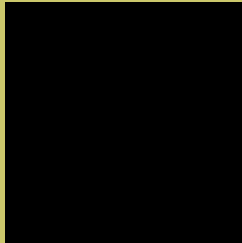
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.6049, 0.3840, 0.4395**

## Background



This preview shows how black text looks on a background with the Yxy color 54.6049, 0.3840, 0.4395.



This preview shows how white text looks on a background with the Yxy color 54.6049, 0.3840, 0.4395.

# 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

54.6049, 0.3840, 0.4395

### Protanopia

54.5179, 0.3974, 0.4321

### Deuteranopia

54.4207, 0.4203, 0.4111



## Tritanopia

54.4244, 0.3218, 0.3116

# Trichromacy



## Original Color

54.6049, 0.3840, 0.4395

## Protanomaly

54.3693, 0.3933, 0.4346

## Deuteranomaly

54.3733, 0.4065, 0.4214

## Tritanomaly

54.0817, 0.3457, 0.3581

# Monochromacy



## Original Color

54.6049, 0.3840, 0.4395

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.2801, 0.3398, 0.3707

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6049, 0.3840, 0.4395 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, 199, 107)` looks like.

```
.text, #text, p{  
    color:rgb(203, 199, 107)  
}
```

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, 199, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 199, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6049, 0.3840, 0.4395 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, 199, 107) }
```

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

```
.border{ border-color:rgb(203, 199, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 199, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 199, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 199, 107);  
box-shadow:4px 4px 4px 4px rgb(203, 199,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6049, 0.3840, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 199, 107) }
```

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

```
.background{ background-color: rgb(203,  
199, 107) }
```

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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