

# Converting Colors

$Yxy(52.6850, 0.3809, 0.4455)$

Have a look what the booklet for  
Yxy(52.6850, 0.3809, 0.4455)  
contains.

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# Color

**Yxy(52.5139, 0.3806, 0.4449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C567
RGB	195, 197, 103
RGB Percent	76%, 77%, 40%
CMY	0.2352, 0.2275, 0.5961
CMYK	0.01, 0.00, 0.48, 0.23
HSL	61°, 45%, 59%
HSV	61°, 48%, 77%
XYZ	44.9242, 52.5139, 20.5972
YIQ	185.6860, 28.9820, -29.6580

# Conversions

## Conversions Part 2

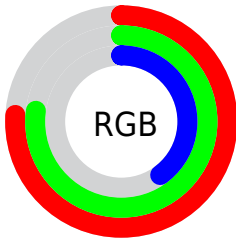
Format	Color
<a href="#">RYB</a>	<a href="#">103, 197, 105</a>
Decimal	<a href="#">12830055</a>
CIELab	<a href="#">77.59, -13.91, 46.55</a>
CIELCh	<a href="#">78, 48.582, 106.642</a>
Yxy	<a href="#">52.5139, 0.3806, 0.4449</a>
Android (android.graphics.Color)	<a href="#">4291020135 (0xFFC3C567)</a>
YUV	<a href="#">185.6860, -40.7642, 8.1684</a>
Hunter-Lab	<a href="#">72.4665, -16.1586, 33.8745</a>

# Details

The Yxy color **52.5139, 0.3806, 0.4449** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.7309, 0.2245, 0.1810**, and the grayscale version is **49.1406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1666, 0.3701, 0.4253**, and **25.3818, 0.3941, 0.4744** is the 20% darker color. If you saturate the color by 10%, you get **52.1112, 0.3922, 0.4651**, and if you desaturate by 10%, it is **53.0148, 0.3674, 0.4221**.

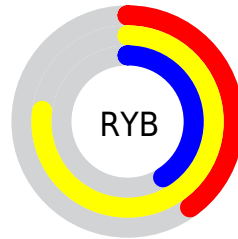
# Distribution



Red (76%)

Green (77%)

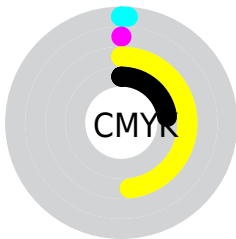
Blue (40%)



Red (40%)

Yellow (77%)

Blue (41%)

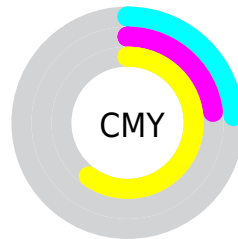


Cyan (1%)

Magenta (0%)

Yellow (48%)

Black (23%)



Cyan (24%)

Magenta (23%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5139, 0.3806, 0.4449 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 52.5139, 0.3806, 0.4449 by changing the saturation by 10% instead.




 52.5139, 0.3806,  
0.4449

 52.5139, 0.3806,  
0.4449


396.4174, 0.3497,  
0.3881


 37.4149, 0.3870,  
0.4582


 93.8887, 0.3703,  
0.4248


 25.5289, 0.3943,  
0.4746


 120.9332, 0.3661,  
0.4171

 16.4715, 0.4024,  
0.4950


 152.7284, 0.3625,  
0.4105

 9.8584, 0.4105,  
0.5203

 189.6586, 0.3593,  
0.4047

 5.3052, 0.4268,  
0.5656

232.1082, 0.3565,  
0.3998

 2.4274, 0.4124,  
0.5876

280.4616, 0.3540,

 0.8399, 0.3532,

0.3954

0.6468

335.1032, 0.3518,  
0.3915

0.0000, 0.0000,  
0.0000

52.5139, 0.3806,  
0.4449

52.5139, 0.3806,  
0.4449

52.1112, 0.3922,  
0.4651

53.0148, 0.3674,  
0.4221

51.7928, 0.4017,  
0.4819

53.6125, 0.3531,  
0.3977

51.5535, 0.4088,  
0.4946


54.3152, 0.3384,  
0.3727


51.3846, 0.4132,  
0.5029

55.1277, 0.3238,  
0.3477


51.2733, 0.4153,  
0.5074

56.0550, 0.3095,  
0.3236

 51.2510, 0.4157,  
0.5082

 57.1014, 0.2960,  
0.3007

 58.2712, 0.2832,  
0.2793

 59.2033, 0.2748,  
0.2650

 59.2597, 0.2751,  
0.2651

# Harmonies

## Analogous

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



52.5139, 0.4270, 0.4138



52.5139, 0.3806, 0.4449



52.5139, 0.3187, 0.4414

# Triad

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



52.5139, 0.3806, 0.4449



52.5139, 0.1980, 0.2699



52.5139, 0.3623, 0.2734

# Complementary

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



52.5139, 0.3806, 0.4449



16.7309, 0.2245, 0.1810

# 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.



52.5139, 0.2956, 0.2418



52.5139, 0.3806, 0.4449



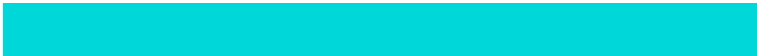
52.5139, 0.2066, 0.2366

# Square

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



52.5139, 0.3806, 0.4449



52.5139, 0.2155, 0.3275



52.5139, 0.2402, 0.2282



52.5139, 0.4187, 0.3175



# Rectangle

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



52.5139, 0.3806, 0.4449



52.5139, 0.2772, 0.4145



52.5139, 0.2402, 0.2282



52.5139, 0.3400, 0.2612

# Sweetspot

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



52.5163, 0.3806, 0.4449



97.7683, 0.3333, 0.3639



22.8624, 0.4419, 0.3314



20.8606, 0.3365, 0.3694



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.



52.5163, 0.3806, 0.4449



93.3236, 0.3924, 0.4654



47.2469, 0.3400, 0.4629



12.4052, 0.3262, 0.3518



33.7155, 0.4157, 0.5081



1.6001, 0.4165, 0.5075



# Inverse Universe

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



16.7309, 0.2245, 0.1810



21.7876, 0.2033, 0.1459



20.3629, 0.2687, 0.1968



10.2979, 0.2986, 0.3051



2.6736, 0.1508, 0.0604



0.1304, 0.1534, 0.0619



# Previews

## White Background



This preview shows how the Yxy color 52.5139, 0.3806, 0.4449 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 52.5139, 0.3806, 0.4449 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 52.5139, 0.3806, 0.4449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5139, 0.3806, 0.4449.



This preview shows how white text looks on a background with the Yxy color 52.5139, 0.3806, 0.4449.

# 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

52.5139, 0.3806, 0.4449

### Protanopia

52.4877, 0.3990, 0.4357

### Deuteranopia

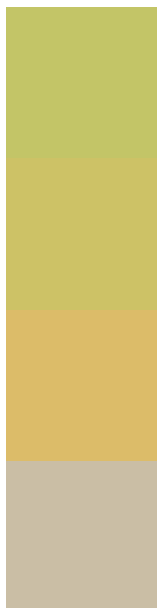
52.4000, 0.4217, 0.4133



## Tritanopia

52.4567, 0.3177, 0.3112

# Trichromacy



## Original Color

52.5139, 0.3806, 0.4449

## Protanomaly

52.5220, 0.3918, 0.4390

## Deuteranomaly

52.2020, 0.4067, 0.4242

## Tritanomaly

52.1001, 0.3425, 0.3600

# Monochromacy



## Original Color

52.5139, 0.3806, 0.4449

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

50.0460, 0.3384, 0.3730

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5139, 0.3806, 0.4449 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(195, 197, 103)` looks like.

```
.text, #text, p{  
    color:rgb(195, 197, 103)  
}
```

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(195, 197, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 197, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5139, 0.3806, 0.4449 is called "border". The border property can be set on classes, ids or directly on the HTML element.

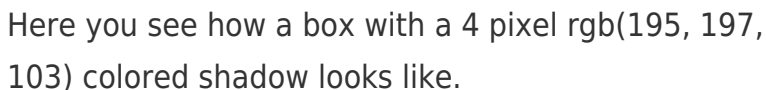
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 197, 103) }
```

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

```
.border{ border-color:rgb(195, 197, 103) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 197, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 197, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 197, 103); box-shadow:4px 4px 4px 4px rgb(195, 197, 103) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5139, 0.3806, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 197, 103) }
```

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

```
.background{ background-color: rgb(195,  
197, 103) }
```

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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