

# Converting Colors

$Yxy(50.6658, 0.4156, 0.5062)$

Have a look what the booklet for  
Yxy(50.6658, 0.4156, 0.5062)  
contains.

<b>Yxy(50.7039, 0.4150, 0.5068)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(50.7039, 0.4150, 0.5068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0C408
RGB	192, 196, 8
RGB Percent	75%, 77%, 3%
CMY	0.2471, 0.2313, 0.9692
CMYK	0.02, 0.00, 0.96, 0.23
HSL	61°, 92%, 40%
HSV	61°, 96%, 77%
XYZ	41.5196, 50.7039, 7.8237
YIQ	173.3720, 57.9640, -59.3160

# Conversions

## Conversions Part 2

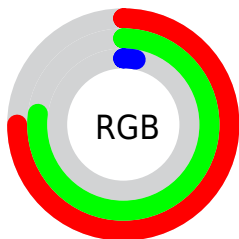
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	8, 196, 12
Decimal	12633096
CIE Lab	76.50, -19.32, 76.33
CIE LCh	76, 78.742, 104.206
Yxy	50.7039, 0.4150, 0.5068
Android (android.graphics.Color)	4290823176 (0xFFC0C408)
YUV	173.3720, -81.5284, 16.3368
Hunter-Lab	71.2067, -20.5309, 43.3303

# Details

The Yxy color **50.7039, 0.4150, 0.5068** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **4.2340, 0.1524, 0.0632**, and the grayscale version is **42.3847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9721, 0.4038, 0.4796**, and **24.7133, 0.4086, 0.5138** is the 20% darker color. If you saturate the color by 10%, you get **50.6671, 0.4156, 0.5082**, and if you desaturate by 10%, it is **50.8251, 0.4126, 0.5018**.

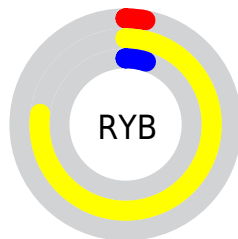
# Distribution



Red (75%)

Green (77%)

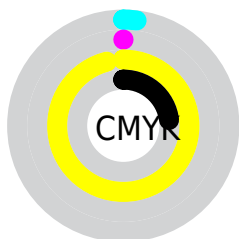
Blue (3%)



Red (3%)

Yellow (77%)

Blue (5%)

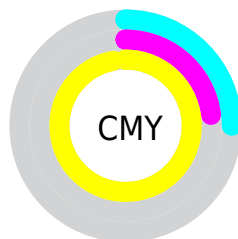


Cyan (2%)

Magenta (0%)

Yellow (96%)

Black (23%)



Cyan (25%)

Magenta (23%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7039, 0.4150, 0.5068 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 50.7039, 0.4150, 0.5068 by changing the saturation by 10% instead.





 50.7039, 0.4150,  
0.5068


 50.7039, 0.4150,  
0.5068


389.4123, 0.3745,  
0.4246

 35.9730, 0.4204,  
0.5230


 91.2169, 0.4037,  
0.4798


 24.4134, 0.4244,  
0.5408


 117.7679, 0.3984,  
0.4687


 15.6405, 0.4277,  
0.5626


 149.0276, 0.3935,  
0.4590

 9.2701, 0.4210,  
0.5790

 185.3806, 0.3890,  
0.4504

 4.9178, 0.4049,  
0.5951

 227.2111, 0.3848,  
0.4428

 2.1991, 0.3785,  
0.6215

 274.9037, 0.3811,

 0.7195, 0.2277,

0.4361

0.7723

328.8426, 0.3777,  
0.4300

■ 0.0000, 0.0000,  
0.0000

■ 50.7039, 0.4150,  
0.5068

■ 50.7039, 0.4150,  
0.5068

■ 50.6671, 0.4156,  
0.5082

■ 50.8251, 0.4126,  
0.5018

■ 51.0044, 0.4077,  
0.4927

■ 51.2549, 0.4002,  
0.4792

■ 51.5851, 0.3903,  
0.4618

■ 52.0021, 0.3784,  
0.4411

■ 52.5124, 0.3649,  
0.4180

■ 53.1219, 0.3506,  
0.3934

■ 53.8359, 0.3359,  
0.3683

■ 54.6593, 0.3213,  
0.3435

# Harmonies

## Analogous

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



50.7039, 0.4900, 0.4406



50.7039, 0.4150, 0.5068



50.7039, 0.3202, 0.5255

# Triad

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



50.7039, 0.4150, 0.5068



50.7039, 0.1416, 0.2355



50.7039, 0.3822, 0.2386

# Complementary

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



50.7039, 0.4150, 0.5068



4.2340, 0.1524, 0.0632

# 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.



50.7039, 0.2743, 0.1960



50.7039, 0.4150, 0.5068



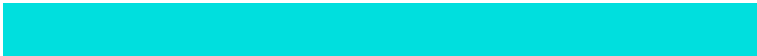
50.7039, 0.1519, 0.1887

# Square

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



50.7039, 0.4150, 0.5068



50.7039, 0.1654, 0.3293



50.7039, 0.1951, 0.1781



50.7039, 0.4804, 0.2988



# Rectangle

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



50.7039, 0.4150, 0.5068



50.7039, 0.2570, 0.4866



50.7039, 0.1951, 0.1781



50.7039, 0.3447, 0.2220

# Sweetspot

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



50.7063, 0.4150, 0.5068



95.8199, 0.3556, 0.4020



11.9935, 0.6325, 0.3308



20.4081, 0.3618, 0.4126



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.



50.7063, 0.4150, 0.5068



91.7615, 0.4155, 0.5083



42.1425, 0.3362, 0.5687



11.7470, 0.3262, 0.3518



32.5577, 0.4157, 0.5082



1.4103, 0.4165, 0.5075



# Inverse Universe

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



4.2340, 0.1524, 0.0632



7.2551, 0.1505, 0.0602



7.1643, 0.2095, 0.0945



9.7580, 0.2986, 0.3052



2.5830, 0.1508, 0.0604



0.1152, 0.1537, 0.0620



# Previews

## White Background



This preview shows how the Yxy color 50.7039, 0.4150, 0.5068 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 50.7039, 0.4150, 0.5068 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 50.7039, 0.4150, 0.5068**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.7039, 0.4150, 0.5068.



This preview shows how white text looks on a background with the Yxy color 50.7039, 0.4150, 0.5068.

# 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

50.7039, 0.4150, 0.5068

### Protanopia

50.5413, 0.4408, 0.4882

### Deuteranopia

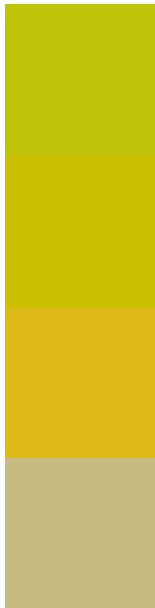
50.5163, 0.4673, 0.4573



## Tritanopia

50.4206, 0.3211, 0.3122

# Trichromacy



## Original Color

50.7039, 0.4150, 0.5068

## Protanomaly

50.6850, 0.4306, 0.4956

## Deuteranomaly

50.1319, 0.4488, 0.4754

## Tritanomaly

49.3785, 0.3716, 0.4034

# Monochromacy



## Original Color

50.7039, 0.4150, 0.5068

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

43.9433, 0.3673, 0.4211

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.7039, 0.4150, 0.5068 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(192, 196, 8)` looks like.

```
.text, #text, p{  
    color:rgb(192, 196, 8)  
}
```

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(192, 196, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 196, 8) }
```

## Border

The CSS property to change the border of an element to Yxy 50.7039, 0.4150, 0.5068 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(192, 196, 8) }
```

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

```
.border{ border-color:rgb(192, 196, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 196, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 196, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 196, 8);  
box-shadow:4px 4px 4px 4px rgb(192, 196,  
8) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.7039, 0.4150, 0.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 196, 8) }
```

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

```
.background{ background-color: rgb(192,  
196, 8) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor