

# Converting Colors

$Y_{xy}(49.5610, 0.4064, 0.5155)$

Have a look what the booklet for  
Yxy(49.5610, 0.4064, 0.5155)  
contains.

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# Color

**Yxy(49.4249, 0.4068, 0.5152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6C400
RGB	182, 196, 0
RGB Percent	71%, 77%, 0%
CMY	0.2864, 0.2313, 1.0000
CMYK	0.07, 0.00, 1.00, 0.23
HSL	64°, 100%, 38%
HSV	64°, 100%, 77%
XYZ	39.0257, 49.4249, 7.4828
YIQ	169.4700, 54.5720, -63.9240

# Conversions

## Conversions Part 2

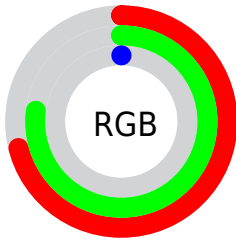
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 196, 14
Decimal	11977728
CIELab	75.71, -23.70, 76.21
CIElCh	76, 79.807, 107.272
Yxy	49.4249, 0.4068, 0.5152
Android (android.graphics.Color)	4290167808 (0xFFB6C400)
YUV	169.4700, -83.5487, 10.9888
Hunter-Lab	70.3028, -23.9431, 42.9014

# Details

The Yxy color **49.4249, 0.4068, 0.5152** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.0802, 0.1521, 0.0612**, and the grayscale version is **40.3236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1072, 0.3978, 0.4859**, and **23.6311, 0.3976, 0.5225** is the 20% darker color. If you saturate the color by 10%, you get **49.4270, 0.4068, 0.5152**, and if you desaturate by 10%, it is **49.6482, 0.4059, 0.5104**.

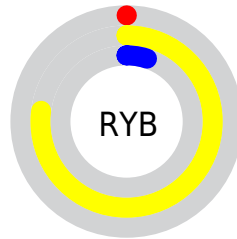
# Distribution



Red (71%)

Green (77%)

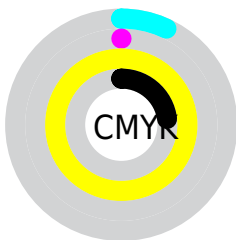
Blue (0%)



Red (0%)

Yellow (77%)

Blue (5%)

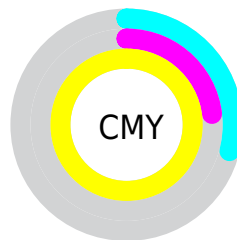


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (29%)

Magenta (23%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4249, 0.4068, 0.5152 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 49.4249, 0.4068, 0.5152 by changing the saturation by 10% instead.





 49.4249, 0.4068,  
0.5152


 49.4249, 0.4068,  
0.5152


384.4127, 0.3706,  
0.4276

 34.9567, 0.4110,  
0.5329


 89.3222, 0.3971,  
0.4861


 23.6295, 0.4134,  
0.5526

 115.5200, 0.3924,  
0.4742

 15.0590, 0.4151,  
0.5779


 146.3965, 0.3880,  
0.4639

 8.8608, 0.4042,  
0.5958

 182.3361, 0.3839,  
0.4548

 4.6505, 0.3835,  
0.6165

 223.7231, 0.3801,  
0.4468

 2.0437, 0.3494,  
0.6506

 270.9419, 0.3767,

 0.6327, 0.0349,

0.4396

0.9651

324.3770, 0.3735,  
0.4333

■ 0.0000, 0.0000,  
0.0000

■ 49.4249, 0.4068,  
0.5152

■ 49.4249, 0.4068,  
0.5152

■ 49.4270, 0.4068,  
0.5152

■ 49.6482, 0.4059,  
0.5104

■ 49.9205, 0.4029,  
0.5020

■ 50.2618, 0.3973,  
0.4892

■ 50.6810, 0.3892,  
0.4722

■ 51.1859, 0.3789,  
0.4518

■ 51.7832, 0.3670,  
0.4287

■ 52.4790, 0.3538,  
0.4040

■ 53.2787, 0.3401,  
0.3786

■ 54.1876, 0.3263,  
0.3534

# Harmonies

## Analogous

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



49.4249, 0.4866, 0.4493



49.4249, 0.4068, 0.5152



49.4249, 0.3096, 0.5272

# Triad

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



49.4249, 0.4068, 0.5152



49.4249, 0.1384, 0.2265



49.4249, 0.3952, 0.2425

# Complementary

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



49.4249, 0.4068, 0.5152



4.0802, 0.1521, 0.0612

# 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.



49.4249, 0.2837, 0.1971



49.4249, 0.4068, 0.5152



49.4249, 0.1522, 0.1836

# Square

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



49.4249, 0.4068, 0.5152



49.4249, 0.1584, 0.3169



49.4249, 0.1994, 0.1762



49.4249, 0.4915, 0.3047



# Rectangle

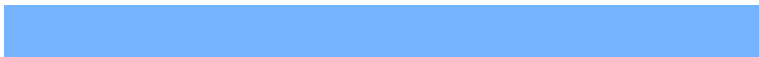
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.4249, 0.4068, 0.5152



49.4249, 0.2462, 0.4807



49.4249, 0.1994, 0.1762



49.4249, 0.3569, 0.2250

# Sweetspot

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



49.4272, 0.4068, 0.5152



94.9895, 0.3545, 0.4052



12.0275, 0.6355, 0.3336



20.2121, 0.3602, 0.4159



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.



49.4272, 0.4068, 0.5152



89.4774, 0.4066, 0.5154



41.4148, 0.3277, 0.5780



11.7204, 0.3254, 0.3518



31.7701, 0.4070, 0.5151



1.3839, 0.4099, 0.5127



# Inverse Universe

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



4.0802, 0.1521, 0.0612



7.3513, 0.1516, 0.0609



7.3711, 0.2156, 0.0961



9.7817, 0.2994, 0.3053



2.6356, 0.1526, 0.0614



0.1260, 0.1621, 0.0666



# Previews

## White Background



This preview shows how the Yxy color 49.4249, 0.4068, 0.5152 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 49.4249, 0.4068, 0.5152 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 49.4249, 0.4068, 0.5152**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4249, 0.4068, 0.5152.



This preview shows how white text looks on a background with the Yxy color 49.4249, 0.4068, 0.5152.

# 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

49.4249, 0.4068, 0.5152

### Protanopia

49.2423, 0.4401, 0.4887

### Deuteranopia

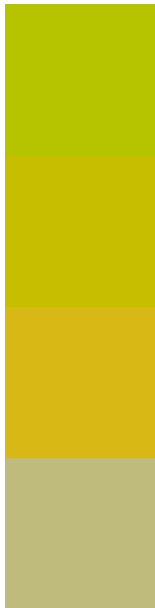
49.2107, 0.4666, 0.4570



## Tritanopia

49.2229, 0.3127, 0.3105

# Trichromacy



## Original Color

49.4249, 0.4068, 0.5152

## Protanomaly

49.1063, 0.4284, 0.4981

## Deuteranomaly

48.9304, 0.4460, 0.4787

## Tritanomaly

48.0977, 0.3657, 0.4094

# Monochromacy



## Original Color

49.4249, 0.4068, 0.5152

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

42.3216, 0.3663, 0.4273

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4249, 0.4068, 0.5152 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(182, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 196, 0)  
}
```

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(182, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 196, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4249, 0.4068, 0.5152 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(182, 196, 0) }
```

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

```
.border{ border-color:rgb(182, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 196,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4249, 0.4068, 0.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 196, 0) }
```

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

```
.background{ background-color: rgb(182,  
196, 0) }
```

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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