

# Converting Colors

Yxy(52.3243, 0.4193, 0.5048)

Have a look what the booklet for  
Yxy(52.3243, 0.4193, 0.5048)  
contains.

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**Color**

**Yxy(52.3983, 0.4191, 0.5049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6C602
RGB	198, 198, 2
RGB Percent	78%, 78%, 1%
CMY	0.2236, 0.2235, 0.9909
CMYK	0.00, 0.00, 0.99, 0.22
HSL	60°, 98%, 39%
HSV	60°, 99%, 78%
XYZ	43.4940, 52.3983, 7.8872
YIQ	175.6560, 62.9160, -60.9560

# Conversions

## Conversions Part 2

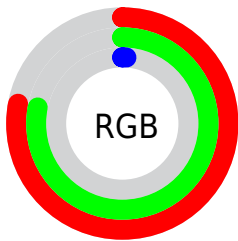
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">2, 198, 2</a>
Decimal	<a href="#">13026818</a>
CIELab	<a href="#">77.52, -17.80, 77.87</a>
CIELCh	<a href="#">78, 79.875, 102.873</a>
Yxy	<a href="#">52.3983, 0.4191, 0.5049</a>
Android (android.graphics.Color)	<a href="#">4291216898</a> ( <a href="#">0xFFC6C602</a> )
YUV	<a href="#">175.6560, -85.6124, 19.5957</a>
Hunter-Lab	<a href="#">72.3867, -19.4238, 44.2104</a>

# Details

The Yxy color **52.3983, 0.4191, 0.5049** 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 **4.1427, 0.1505, 0.0609**, and the grayscale version is **43.6768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7837, 0.4051, 0.4802**, and **25.7398, 0.4123, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **52.3957, 0.4193, 0.5053**, and if you desaturate by 10%, it is **52.4542, 0.4168, 0.5011**.

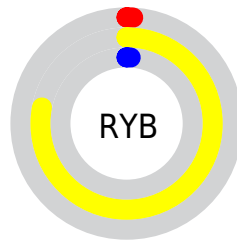
# Distribution



Red (78%)

Green (78%)

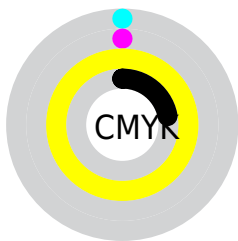
Blue (1%)



Red (1%)

Yellow (78%)

Blue (1%)

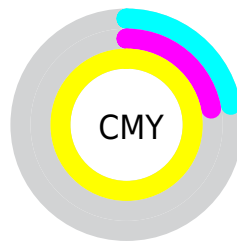


Cyan (0%)

Magenta (0%)

Yellow (99%)

Black (22%)



Cyan (22%)

Magenta (22%)


Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3983, 0.4191, 0.5049 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 52.3983, 0.4191, 0.5049 by changing the saturation by 10% instead.




 52.3983, 0.4191,  
0.5049


 52.3983, 0.4191,  
0.5049


395.9723, 0.3771,  
0.4248


 37.3227, 0.4248,  
0.5203


 93.7184, 0.4073,  
0.4789

 25.4574, 0.4293,  
0.5372


 120.7316, 0.4018,  
0.4681


 16.4182, 0.4330,  
0.5573

 152.4928, 0.3967,  
0.4586

 9.8205, 0.4276,  
0.5724

 189.3864, 0.3920,  
0.4502

 5.2801, 0.4134,  
0.5866

 231.7967, 0.3878,  
0.4427

 2.4125, 0.3905,  
0.6095

 280.1082, 0.3839,

 0.8323, 0.3000,

0.4361

0.7000

334.7053, 0.3803,  
0.4301

■ 0.0000, 0.0000,  
0.0000

■ 52.3983, 0.4191,  
0.5049

■ 52.3983, 0.4191,  
0.5049

■ 52.3957, 0.4193,  
0.5053

■ 52.4542, 0.4168,  
0.5011

■ 52.5625, 0.4123,  
0.4937

■ 52.7408, 0.4052,  
0.4819

■ 52.9981, 0.3956,  
0.4660

■ 53.3422, 0.3838,  
0.4465

■ 53.7799, 0.3703,  
0.4243

■ 54.3174, 0.3558,  
0.4002

■ 54.9602, 0.3408,  
0.3754

■ 55.7135, 0.3257,  
0.3505

# Harmonies

## Analogous

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



52.3983, 0.4929, 0.4375



52.3983, 0.4191, 0.5049



52.3983, 0.3245, 0.5272

# Triad

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



52.3983, 0.4191, 0.5049



52.3983, 0.1415, 0.2383



52.3983, 0.3774, 0.2360

# Complementary

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



52.3983, 0.4191, 0.5049



4.1427, 0.1505, 0.0609

# 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.



52.3983, 0.2699, 0.1943



52.3983, 0.4191, 0.5049



52.3983, 0.1504, 0.1895

# Square

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



52.3983, 0.4191, 0.5049



52.3983, 0.1670, 0.3345



52.3983, 0.1921, 0.1775



52.3983, 0.4775, 0.2958



# Rectangle

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



52.3983, 0.4191, 0.5049



52.3983, 0.2608, 0.4911



52.3983, 0.1921, 0.1775



52.3983, 0.3398, 0.2196

# Sweetspot

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



52.4008, 0.4191, 0.5049



96.0136, 0.3582, 0.4042



12.0618, 0.6382, 0.3300



20.4617, 0.3645, 0.4146



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.



52.4008, 0.4191, 0.5049



92.7772, 0.4193, 0.5053



43.1142, 0.3369, 0.5700



12.4170, 0.3265, 0.3518



34.0721, 0.4193, 0.5053



1.6133, 0.4193, 0.5053



# Inverse Universe

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



4.1427, 0.1505, 0.0609



7.2201, 0.1500, 0.0600



6.8461, 0.2031, 0.0898



10.2875, 0.2983, 0.3051



2.6516, 0.1500, 0.0600



0.1256, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 52.3983, 0.4191, 0.5049 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 52.3983, 0.4191, 0.5049 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 52.3983, 0.4191, 0.5049**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3983, 0.4191, 0.5049.



This preview shows how white text looks on a background with the Yxy color 52.3983, 0.4191, 0.5049.

# 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

52.3983, 0.4191, 0.5049

### Protanopia

52.2982, 0.4405, 0.4884

### Deuteranopia

52.4269, 0.4678, 0.4578



## Tritanopia

52.2071, 0.3244, 0.3125

# Trichromacy



## Original Color

52.3983, 0.4191, 0.5049

## Protanomaly

52.1411, 0.4325, 0.4946

## Deuteranomaly

52.1857, 0.4506, 0.4753

## Tritanomaly

51.0493, 0.3770, 0.4053

# Monochromacy



## Original Color

52.3983, 0.4191, 0.5049

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

45.6636, 0.3697, 0.4233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3983, 0.4191, 0.5049 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(198, 198, 2)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 2)  
}
```

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(198, 198, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 2) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3983, 0.4191, 0.5049 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(198, 198, 2) }
```

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

```
.border{ border-color:rgb(198, 198, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 2);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
2) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3983, 0.4191, 0.5049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 2) }
```

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

```
.background{ background-color: rgb(198,  
198, 2) }
```

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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