

# Converting Colors

Yxy(51.8527, 0.4024, 0.4879)

Have a look what the booklet for  
Yxy(51.8527, 0.4024, 0.4879)  
contains.

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# Color

**Yxy(52.0210, 0.4027, 0.4880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1C639
RGB	193, 198, 57
RGB Percent	76%, 78%, 22%
CMY	0.2431, 0.2235, 0.7764
CMYK	0.03, 0.00, 0.71, 0.22
HSL	62°, 55%, 50%
HSV	62°, 71%, 78%
XYZ	42.9280, 52.0210, 11.6514
YIQ	180.4310, 42.2810, -44.9110

# Conversions

## Conversions Part 2

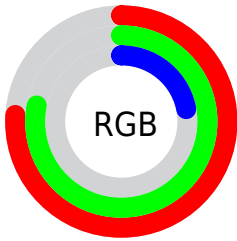
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 198, 62
Decimal	12699193
CIELab	77.29, -18.50, 65.90
CIELCh	77, 68.448, 105.685
Yxy	52.0210, 0.4027, 0.4880
Android (android.graphics.Color)	4290889273 (0xFFC1C639)
YUV	180.4310, -60.8515, 11.0230
Hunter-Lab	72.1256, -19.9795, 40.9100

# Details

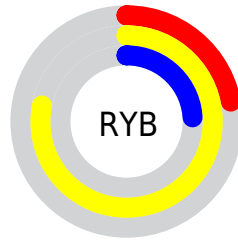
The Yxy color **52.0210, 0.4027, 0.4880** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **8.0299, 0.1797, 0.1058**, and the grayscale version is **46.2059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4077, 0.3909, 0.4629**, and **25.1808, 0.4099, 0.5128** is the 20% darker color. If you saturate the color by 10%, you get **51.7709, 0.4086, 0.4995**, and if you desaturate by 10%, it is **52.3534, 0.3943, 0.4723**.

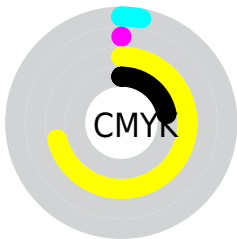
# Distribution



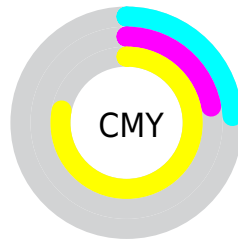
- Red (76%)
- Green (78%)
- Blue (22%)



- Red (22%)
- Yellow (78%)
- Blue (24%)



- Cyan (3%)
- Magenta (0%)
- Yellow (71%)
- Black (22%)




- Cyan (24%)
- Magenta (22%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0210, 0.4027, 0.4880 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 52.0210, 0.4027, 0.4880 by changing the saturation by 10% instead.





 52.0210, 0.4027,  
0.4880

 52.0210, 0.4027,  
0.4880


394.5177, 0.3650,  
0.4124

 37.0218, 0.4089,  
0.5042


 93.1622, 0.3913,  
0.4623


 25.2244, 0.4147,  
0.5229


 120.0730, 0.3863,  
0.4520


 16.2443, 0.4190,  
0.5442


 151.7232, 0.3818,  
0.4431

 9.6972, 0.4249,  
0.5751

 188.4970, 0.3777,  
0.4354

 5.1987, 0.4100,  
0.5900

 230.7790, 0.3741,  
0.4286

 2.3643, 0.3858,  
0.6142

278.9535, 0.3708,

 0.8074, 0.2811,

0.4225

0.7189

333.4050, 0.3678,  
0.4172

0.0000, 0.0000,  
0.0000

52.0210, 0.4027,  
0.4880

52.0210, 0.4027,  
0.4880

51.7709, 0.4086,  
0.4995

52.3534, 0.3943,  
0.4723

51.5864, 0.4119,  
0.5066

52.7688, 0.3836,  
0.4529

51.4645, 0.4132,  
0.5102

53.2767, 0.3711,  
0.4307

53.8834, 0.3574,  
0.4066

54.5946, 0.3431,  
0.3815

■ 55.4155, 0.3286,  
0.3564

■ 56.3512, 0.3144,  
0.3319

■ 57.4062, 0.3008,  
0.3085

■ 58.5850, 0.2879,  
0.2866

# Harmonies

## Analogous

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



52.0210, 0.4683, 0.4354



52.0210, 0.4027, 0.4880



52.0210, 0.3184, 0.4947

# Triad

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



52.0210, 0.4027, 0.4880



52.0210, 0.1599, 0.2459



52.0210, 0.3782, 0.2517

# Complementary

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



52.0210, 0.4027, 0.4880



8.0299, 0.1797, 0.1058

# 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.



52.0210, 0.2843, 0.2119



52.0210, 0.4027, 0.4880



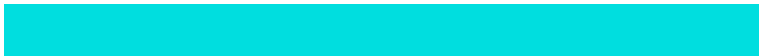
52.0210, 0.1704, 0.2040

# Square

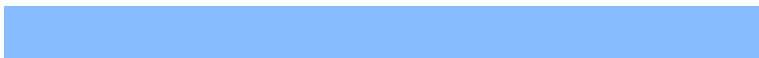
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.0210, 0.4027, 0.4880



52.0210, 0.1813, 0.3263



52.0210, 0.2117, 0.1946



52.0210, 0.4606, 0.3074



# Rectangle

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



52.0210, 0.4027, 0.4880



52.0210, 0.2625, 0.4578



52.0210, 0.2117, 0.1946



52.0210, 0.3461, 0.2363

# Sweetspot

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



52.0234, 0.4027, 0.4880



96.6608, 0.3432, 0.3818



15.7163, 0.5475, 0.3344



20.6099, 0.3473, 0.3889



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.



52.0234, 0.4027, 0.4880



91.4964, 0.4106, 0.5036



44.8812, 0.3422, 0.5283



12.3972, 0.3260, 0.3519



33.4766, 0.4132, 0.5101



1.5912, 0.4146, 0.5090



# Inverse Universe

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



8.0299, 0.1797, 0.1058



9.2012, 0.1597, 0.0740



11.9280, 0.2417, 0.1359



10.3051, 0.2988, 0.3051



2.6888, 0.1513, 0.0607



0.1337, 0.1557, 0.0632



# Previews

## White Background



This preview shows how the Yxy color 52.0210, 0.4027, 0.4880 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 52.0210, 0.4027, 0.4880 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 52.0210, 0.4027, 0.4880**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0210, 0.4027, 0.4880.



This preview shows how white text looks on a background with the Yxy color 52.0210, 0.4027, 0.4880.

# 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

52.0210, 0.4027, 0.4880

### Protanopia

51.8336, 0.4276, 0.4711

### Deuteranopia

51.7686, 0.4539, 0.4430



## Tritanopia

51.9433, 0.3193, 0.3123

# Trichromacy



## Original Color

52.0210, 0.4027, 0.4880

## Protanomaly

51.9909, 0.4177, 0.4777

## Deuteranomaly

51.4072, 0.4355, 0.4594

## Tritanomaly

51.3510, 0.3562, 0.3829

# Monochromacy



## Original Color

52.0210, 0.4027, 0.4880

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

47.6042, 0.3523, 0.3979

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0210, 0.4027, 0.4880 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(193, 198, 57)` looks like.

```
.text, #text, p{  
    color:rgb(193, 198, 57)  
}
```

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(193, 198, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 198, 57) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0210, 0.4027, 0.4880 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(193, 198, 57) }
```

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

```
.border{ border-color:rgb(193, 198, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 198, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 198, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 198, 57);  
box-shadow:4px 4px 4px 4px rgb(193, 198,  
57) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0210, 0.4027, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 198, 57) }
```

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

```
.background{ background-color: rgb(193,  
198, 57) }
```

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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