

# Converting Colors

$Y_{xy}(57.2575, 0.4056, 0.5027)$

Have a look what the booklet for  
Yxy(57.2575, 0.4056, 0.5027)  
contains.

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# Color

**Yxy(57.2575, 0.4056, 0.5027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6D026
RGB	198, 208, 38
RGB Percent	78%, 82%, 15%
CMY	0.2234, 0.1843, 0.8512
CMYK	0.05, 0.00, 0.82, 0.18
HSL	64°, 69%, 48%
HSV	64°, 82%, 82%
XYZ	46.1978, 57.2575, 10.4446
YIQ	185.6300, 48.6100, -54.9900

# Conversions

## Conversions Part 2

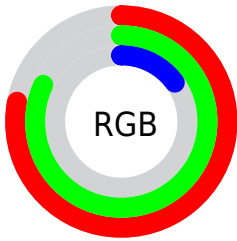
Format	Color
R <sub>Y</sub> B	38, 208, 48
Decimal	13029414
CIE Lab	80.32, -22.07, 74.52
CIE LCh	80, 77.721, 106.493
Yxy	57.2575, 0.4056, 0.5027
Android (android.graphics.Color)	4291219494 (0xFFC6D026)
YUV	185.6300, -72.7816, 10.8485
Hunter-Lab	75.6687, -23.4410, 44.7842

# Details

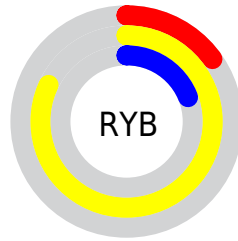
The Yxy color **57.2575, 0.4056, 0.5027** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **6.5627, 0.1659, 0.0819**, and the grayscale version is **49.2789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7196, 0.3982, 0.4703**, and **28.6867, 0.4037, 0.5177** is the 20% darker color. If you saturate the color by 10%, you get **56.9963, 0.4083, 0.5100**, and if you desaturate by 10%, it is **57.6002, 0.4003, 0.4910**.

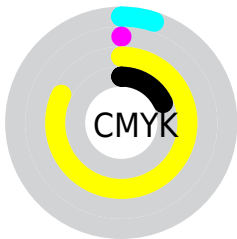
# Distribution



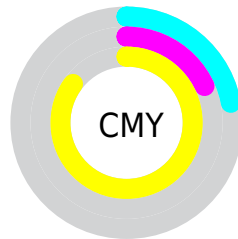
- Red (78%)
- Green (82%)
- Blue (15%)



- Red (15%)
- Yellow (82%)
- Blue (19%)



- Cyan (5%)
- Magenta (0%)
- Yellow (82%)
- Black (18%)




- Cyan (22%)
- Magenta (18%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2575, 0.4056, 0.5027 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 57.2575, 0.4056, 0.5027 by changing the saturation by 10% instead.




 57.2575, 0.4056,  
0.5027


 57.2575, 0.4056,  
0.5027

414.4135, 0.3693,  
0.4224


 41.2120, 0.4106,  
0.5190


 100.8408, 0.3953,  
0.4760

 28.4848, 0.4148,  
0.5375


 129.1474, 0.3906,  
0.4652


 18.6914, 0.4166,  
0.5578

 162.3099, 0.3862,  
0.4557

 11.4475, 0.4166,  
0.5834

 200.7126, 0.3822,  
0.4474

 6.3687, 0.4008,  
0.5992

 244.7399, 0.3785,  
0.4400

 3.0705, 0.3760,  
0.6240

 294.7762, 0.3751,

 1.1687, 0.3191,

0.4335

0.6809

351.2059, 0.3721,  
0.4276

■ 0.0359, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2575, 0.4056,  
0.5027

■ 57.2575, 0.4056,  
0.5027

■ 56.9963, 0.4083,  
0.5100

■ 57.6002, 0.4003,  
0.4910

■ 56.8203, 0.4090,  
0.5134

■ 58.0274, 0.3924,  
0.4751

■ 58.5510, 0.3823,  
0.4555

■ 59.1788, 0.3703,  
0.4330

■ 59.9180, 0.3571,  
0.4086

■ 60.7751, 0.3431,  
0.3832

■ 61.7561, 0.3290,  
0.3579

■ 62.8667, 0.3151,  
0.3332

■ 64.1119, 0.3018,  
0.3097

# Harmonies

## Analogous

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



57.2575, 0.4788, 0.4431



57.2575, 0.4056, 0.5027



57.2575, 0.3142, 0.5121

# Triad

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



57.2575, 0.4056, 0.5027



57.2575, 0.1480, 0.2356



57.2575, 0.3870, 0.2465

# Complementary

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



57.2575, 0.4056, 0.5027



6.5627, 0.1659, 0.0819

# 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.



57.2575, 0.2837, 0.2037



57.2575, 0.4056, 0.5027



57.2575, 0.1603, 0.1929

# Square

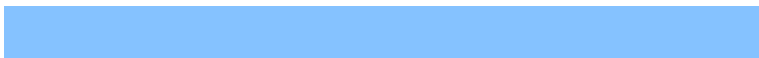
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.2575, 0.4056, 0.5027



57.2575, 0.1689, 0.3217



57.2575, 0.2048, 0.1845



57.2575, 0.4770, 0.3059



# Rectangle

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



57.2575, 0.4056, 0.5027



57.2575, 0.2541, 0.4704



57.2575, 0.2048, 0.1845



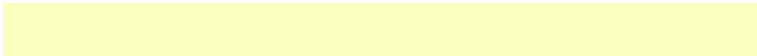
57.2575, 0.3516, 0.2300

# Sweetspot

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



57.2601, 0.4056, 0.5027



95.8500, 0.3481, 0.3922



15.5381, 0.5911, 0.3357



20.4129, 0.3531, 0.4012



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.



57.2601, 0.4056, 0.5027



90.1153, 0.4088, 0.5129



48.8602, 0.3381, 0.5524



13.7608, 0.3257, 0.3520



35.4284, 0.4092, 0.5133



1.9919, 0.4112, 0.5117



# Inverse Universe

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



6.5627, 0.1659, 0.0819



7.4770, 0.1520, 0.0618



10.7994, 0.2314, 0.1162



11.4503, 0.2991, 0.3050



2.9021, 0.1520, 0.0611



0.1742, 0.1585, 0.0647



# Previews

## White Background



This preview shows how the Yxy color 57.2575, 0.4056, 0.5027 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 57.2575, 0.4056, 0.5027 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 57.2575, 0.4056, 0.5027**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2575, 0.4056, 0.5027.



This preview shows how white text looks on a background with the Yxy color 57.2575, 0.4056, 0.5027.

# 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

57.2575, 0.4056, 0.5027

### Protanopia

56.8215, 0.4355, 0.4806

### Deuteranopia

56.9409, 0.4619, 0.4521



## Tritanopia

57.1841, 0.3159, 0.3117

# Trichromacy



## Original Color

57.2575, 0.4056, 0.5027

## Protanomaly

56.8217, 0.4250, 0.4881

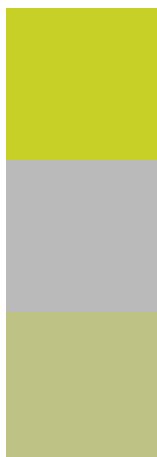
## Deuteranomaly

56.6582, 0.4414, 0.4704

## Tritanomaly

56.2188, 0.3586, 0.3921

# Monochromacy



## Original Color

57.2575, 0.4056, 0.5027

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

51.1967, 0.3568, 0.4088

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2575, 0.4056, 0.5027 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, 208, 38)` looks like.

```
.text, #text, p{  
    color:rgb(198, 208, 38)  
}
```

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, 208, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 208, 38) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2575, 0.4056, 0.5027 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, 208, 38) }
```

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

```
.border{ border-color:rgb(198, 208, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 208, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 208, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 208, 38);  
box-shadow:4px 4px 4px 4px rgb(198, 208,  
38) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2575, 0.4056, 0.5027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 208, 38) }
```

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

```
.background{ background-color: rgb(198,  
208, 38) }
```

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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