

# Converting Colors

$Y_{xy}(57.0931, 0.3877, 0.4583)$

Have a look what the booklet for  
Yxy(57.0931, 0.3877, 0.4583)  
contains.

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# Color

**Yxy(57.0454, 0.3873, 0.4579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CACD5F
RGB	202, 205, 95
RGB Percent	79%, 80%, 37%
CMY	0.2079, 0.1960, 0.6276
CMYK	0.01, 0.00, 0.54, 0.20
HSL	62°, 52%, 59%
HSV	62°, 54%, 80%
XYZ	48.2500, 57.0454, 19.2851
YIQ	191.5630, 33.5220, -34.8460

# Conversions

## Conversions Part 2

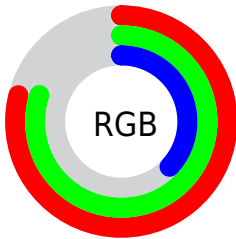
Format	Color
<b>RYB</b>	95, 205, 98
Decimal	13290847
CIELab	80.21, -15.81, 53.55
CIELCh	80, 55.839, 106.453
Yxy	57.0454, 0.3873, 0.4579
Android (android.graphics.Color)	4291480927 (0xFFCACD5F)
YUV	191.5630, -47.6056, 9.1532
Hunter-Lab	75.5284, -18.1431, 37.7311

# Details

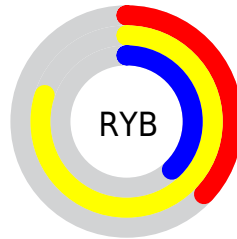
The Yxy color **57.0454, 0.3873, 0.4579** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **15.1823, 0.2121, 0.1599**, and the grayscale version is **52.7105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **28.4114, 0.4010, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **56.6447, 0.3976, 0.4763**, and if you desaturate by 10%, it is **57.5497, 0.3751, 0.4364**.

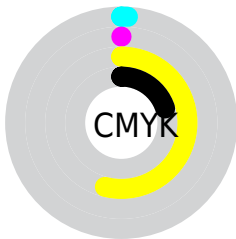
# Distribution



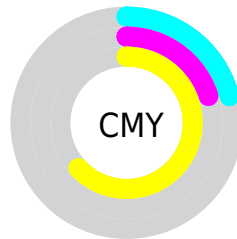
- Red (79%)
- Green (80%)
- Blue (37%)



- Red (37%)
- Yellow (80%)
- Blue (38%)



- Cyan (1%)
- Magenta (0%)
- Yellow (54%)
- Black (20%)




- Cyan (21%)
- Magenta (20%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0454, 0.3873, 0.4579 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 57.0454, 0.3873, 0.4579 by changing the saturation by 10% instead.





 57.0454, 0.3873,  
0.4579

 57.0454, 0.3873,  
0.4579


413.6194, 0.3546,  
0.3960


 41.0417, 0.3936,  
0.4719


 100.5314, 0.3767,  
0.4364


 28.3517, 0.4006,  
0.4887


 128.7825, 0.3723,  
0.4280

 18.5909, 0.4079,  
0.5092


 161.8849, 0.3685,  
0.4208

 11.3751, 0.4143,  
0.5337

 200.2229, 0.3650,  
0.4145

 6.3197, 0.4258,  
0.5742

244.1810, 0.3620,  
0.4090

 3.0404, 0.4082,  
0.5918

294.1435, 0.3593,

 1.1529, 0.3736,

0.4042

0.6264

350.4948, 0.3568,  
0.3999

0.0227, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.0454, 0.3873,  
0.4579

57.0454, 0.3873,  
0.4579

56.6447, 0.3976,  
0.4763

57.5497, 0.3751,  
0.4364

56.3319, 0.4055,  
0.4908


58.1568, 0.3615,  
0.4127

56.1004, 0.4109,  
0.5009

58.8756, 0.3471,  
0.3878

55.9394, 0.4137,  
0.5069

59.7121, 0.3324,  
0.3626


 55.8615, 0.4145,  
0.5091

 60.6717, 0.3179,  
0.3379

 61.7595, 0.3040,  
0.3141

 62.9803, 0.2908,  
0.2918

 64.0802, 0.2809,  
0.2749

 64.1613, 0.2813,  
0.2750

# Harmonies

## Analogous

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



57.0454, 0.4393, 0.4211



57.0454, 0.3873, 0.4579



57.0454, 0.3187, 0.4562

# Triad

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



57.0454, 0.3873, 0.4579



57.0454, 0.1865, 0.2628



57.0454, 0.3674, 0.2672

# Complementary

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



57.0454, 0.3873, 0.4579



15.1823, 0.2121, 0.1599

# 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.



57.0454, 0.2928, 0.2330



57.0454, 0.3873, 0.4579



57.0454, 0.1958, 0.2268

# Square

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



57.0454, 0.3873, 0.4579



57.0454, 0.2052, 0.3269



57.0454, 0.2320, 0.2182



57.0454, 0.4310, 0.3150



# Rectangle

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



57.0454, 0.3873, 0.4579



57.0454, 0.2729, 0.4262



57.0454, 0.2320, 0.2182



57.0454, 0.3423, 0.2540

# Sweetspot

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



57.0480, 0.3873, 0.4579



97.4333, 0.3361, 0.3690



22.3184, 0.4682, 0.3317



20.7923, 0.3392, 0.3742



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.



57.0480, 0.3873, 0.4579



92.7086, 0.3986, 0.4781



50.8035, 0.3420, 0.4808



13.0804, 0.3261, 0.3519



34.7791, 0.4146, 0.5090



1.7993, 0.4156, 0.5082



# Inverse Universe

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



15.1823, 0.2121, 0.1599



17.3419, 0.1900, 0.1233



19.2445, 0.2613, 0.1794



10.8584, 0.2986, 0.3051



2.7734, 0.1510, 0.0605



0.1483, 0.1542, 0.0623



# Previews

## White Background



This preview shows how the Yxy color 57.0454, 0.3873, 0.4579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

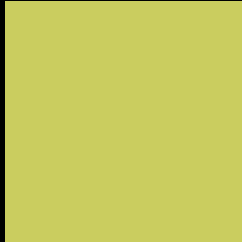
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.0454, 0.3873, 0.4579 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 57.0454, 0.3873, 0.4579**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.0454, 0.3873, 0.4579.



This preview shows how white text looks on a background with the Yxy color 57.0454, 0.3873, 0.4579.

# 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

57.0454, 0.3873, 0.4579

### Protanopia

56.8528, 0.4076, 0.4464

### Deuteranopia

56.7085, 0.4320, 0.4216



## Tritanopia

56.9901, 0.3183, 0.3118

# Trichromacy



**Original Color**

57.0454, 0.3873, 0.4579

**Protanomaly**

56.7276, 0.3997, 0.4504

**Deuteranomaly**

56.5701, 0.4149, 0.4344

**Tritanomaly**

56.4242, 0.3462, 0.3650

# Monochromacy



**Original Color**

57.0454, 0.3873, 0.4579

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

54.1026, 0.3421, 0.3792

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.0454, 0.3873, 0.4579 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(202, 205, 95)` looks like.

```
.text, #text, p{  
    color:rgb(202, 205, 95)  
}
```

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(202, 205, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 205, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 57.0454, 0.3873, 0.4579 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(202, 205, 95) }
```

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

```
.border{ border-color:rgb(202, 205, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 205, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 205, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 205, 95);  
box-shadow:4px 4px 4px 4px rgb(202, 205,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.0454, 0.3873, 0.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 205, 95) }
```

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

```
.background{ background-color: rgb(202,  
205, 95) }
```

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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