

# Converting Colors

Yxy(57.8082, 0.4143, 0.4908)

Have a look what the booklet for  
Yxy(57.8082, 0.4143, 0.4908)  
contains.

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# Color

**Yxy(57.8952, 0.4143, 0.4909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1CE2E
RGB	209, 206, 46
RGB Percent	82%, 81%, 18%
CMY	0.1803, 0.1921, 0.8197
CMYK	0.00, 0.01, 0.78, 0.18
HSL	59°, 64%, 50%
HSV	59°, 78%, 82%
XYZ	48.8612, 57.8952, 11.1804
YIQ	188.6570, 53.1480, -49.1240

# Conversions

## Conversions Part 2

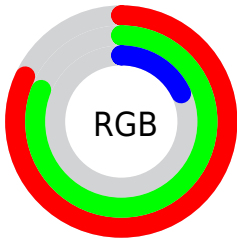
Format	Color
R <sub>Y</sub> B	49, 209, 46
Decimal	13749806
CIE Lab	80.68, -16.19, 73.04
CIE LCh	81, 74.808, 102.496
Yxy	57.8952, 0.4143, 0.4909
Android (android.graphics.Color)	4291939886 (0xFFD1CE2E)
YUV	188.6570, -70.3299, 17.8408
Hunter-Lab	76.0889, -18.5300, 44.5502

# Details

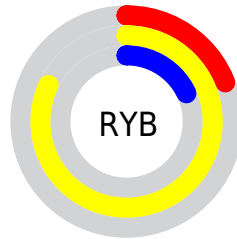
The Yxy color **57.8952, 0.4143, 0.4909** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **7.3791, 0.1672, 0.0898**, and the grayscale version is **51.0699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8206, 0.3961, 0.4668**, and **28.9405, 0.4171, 0.5070** is the 20% darker color. If you saturate the color by 10%, you get **57.5858, 0.4194, 0.4985**, and if you desaturate by 10%, it is **58.2907, 0.4065, 0.4790**.

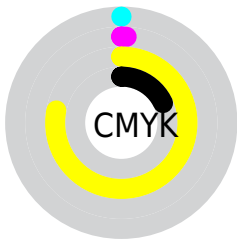
# Distribution



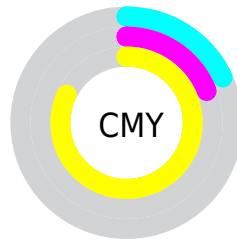
- Red (82%)
- Green (81%)
- Blue (18%)



- Red (19%)
- Yellow (82%)
- Blue (18%)



- Cyan (0%)
- Magenta (1%)
- Yellow (78%)
- Black (18%)




- Cyan (18%)
- Magenta (19%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8952, 0.4143, 0.4909 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 57.8952, 0.4143, 0.4909 by changing the saturation by 10% instead.



 57.8952, 0.4143,  
0.4909

 57.8952, 0.4143,  
0.4909


416.7953, 0.3730,  
0.4171


 41.7244, 0.4208,  
0.5056


 101.7702, 0.4021,  
0.4666


 28.8856, 0.4269,  
0.5221


 130.2433, 0.3966,  
0.4567


 18.9943, 0.4314,  
0.5401


 163.5858, 0.3917,  
0.4480

 11.6661, 0.4362,  
0.5638

 202.1823, 0.3872,  
0.4403

 6.5168, 0.4250,  
0.5750

 246.4171, 0.3831,  
0.4335

 3.1618, 0.4074,  
0.5926

 296.6746, 0.3794,

 1.2168, 0.3746,

0.4275

0.6254

353.3392, 0.3761,  
0.4220

0.0753, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.8952, 0.4143,  
0.4909

57.8952, 0.4143,  
0.4909

57.5858, 0.4194,  
0.4985

58.2907, 0.4065,  
0.4790

57.3392, 0.4222,  
0.5021

58.7743, 0.3963,  
0.4629

57.2933, 0.4226,  
0.5027

59.3576, 0.3839,  
0.4434

60.0482, 0.3699,  
0.4212

60.8532, 0.3550,  
0.3973

61.7789, 0.3397,  
0.3727

62.8311, 0.3245,  
0.3481

64.0155, 0.3098,  
0.3243

65.3372, 0.2959,  
0.3017

# Harmonies

## Analogous

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



57.8952, 0.4804, 0.4317



57.8952, 0.4143, 0.4909



57.8952, 0.3272, 0.5073

# Triad

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



57.8952, 0.4143, 0.4909



57.8952, 0.1540, 0.2481



57.8952, 0.3707, 0.2428

# Complementary

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



57.8952, 0.4143, 0.4909



7.3791, 0.1672, 0.0898

# Split Complementary

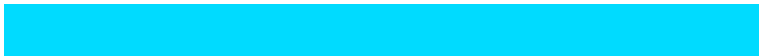
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.8952, 0.2731, 0.2038



57.8952, 0.4143, 0.4909



57.8952, 0.1617, 0.2010

# Square

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



57.8952, 0.4143, 0.4909



57.8952, 0.1795, 0.3366



57.8952, 0.2009, 0.1885



57.8952, 0.4613, 0.2990



# Rectangle

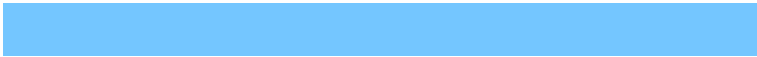
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.8952, 0.4143, 0.4909



57.8952, 0.2681, 0.4745



57.8952, 0.2009, 0.1885



57.8952, 0.3368, 0.2275

# Sweetspot

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



57.8979, 0.4143, 0.4909



96.0924, 0.3478, 0.3857



15.7513, 0.5763, 0.3256



20.4574, 0.3534, 0.3946



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.



57.8979, 0.4143, 0.4909



90.0236, 0.4215, 0.5013



50.7849, 0.3492, 0.5380



13.7586, 0.3267, 0.3516



35.3374, 0.4225, 0.5027



1.9880, 0.4219, 0.5032



# Inverse Universe

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



7.3791, 0.1672, 0.0898



7.8148, 0.1523, 0.0643



10.6973, 0.2218, 0.1156



11.4521, 0.2982, 0.3054



2.9058, 0.1504, 0.0613



0.1751, 0.1515, 0.0655



# Previews

## White Background



This preview shows how the Yxy color 57.8952, 0.4143, 0.4909 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 57.8952, 0.4143, 0.4909 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 57.8952, 0.4143, 0.4909**

## Background



This preview shows how black text looks on a background with the Yxy color 57.8952, 0.4143, 0.4909.



This preview shows how white text looks on a background with the Yxy color 57.8952, 0.4143, 0.4909.

# 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

57.8952, 0.4143, 0.4909

### Protanopia

57.9703, 0.4321, 0.4779

### Deuteranopia

57.6025, 0.4600, 0.4501



## Tritanopia

57.7339, 0.3257, 0.3121

# Trichromacy



## Original Color

57.8952, 0.4143, 0.4909

## Protanomaly

57.9614, 0.4254, 0.4831

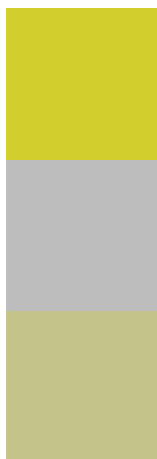
## Deuteranomaly

57.5517, 0.4436, 0.4648

## Tritanomaly

56.8223, 0.3671, 0.3868

# Monochromacy



## Original Color

57.8952, 0.4143, 0.4909

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

52.5721, 0.3580, 0.4022

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.8952, 0.4143, 0.4909 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(209, 206, 46)` looks like.

```
.text, #text, p{  
    color:rgb(209, 206, 46)  
}
```

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(209, 206, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 206, 46) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8952, 0.4143, 0.4909 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(209, 206, 46) }
```

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

```
.border{ border-color:rgb(209, 206, 46) }
```

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

Here you see how a box with a 4 pixel rgb(209, 206, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 206, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 206, 46);  
box-shadow:4px 4px 4px 4px rgb(209, 206,  
46) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8952, 0.4143, 0.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 206, 46) }
```

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

```
.background{ background-color: rgb(209,  
206, 46) }
```

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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