

# Converting Colors

$Yxy(59.6527, 0.4227, 0.4878)$

Have a look what the booklet for  
Yxy(59.6527, 0.4227, 0.4878)  
contains.

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# **Color**

**Yxy(59.6982, 0.4222, 0.4880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DACF2A
RGB	218, 207, 42
RGB Percent	85%, 81%, 16%
CMY	0.1450, 0.1882, 0.8355
CMYK	0.00, 0.05, 0.81, 0.15
HSL	56°, 70%, 51%
HSV	56°, 81%, 85%
XYZ	51.6487, 59.6982, 10.9854
YIQ	191.4790, 59.5210, -48.9830

# Conversions

## Conversions Part 2

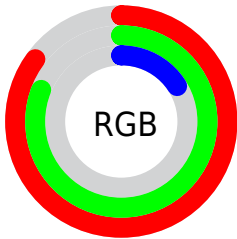
Format	Color
R <sub>Y</sub> B	54, 218, 42
Decimal	14339882
CIE Lab	81.67, -12.99, 75.30
CIE LCh	82, 76.409, 99.790
Yxy	59.6982, 0.4222, 0.4880
Android (android.graphics.Color)	4292529962 (0xFFDACF2A)
YUV	191.4790, -73.6931, 23.2589
Hunter-Lab	77.2646, -15.8920, 45.6554

# Details

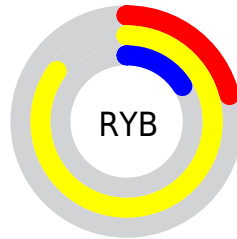
The Yxy color **59.6982, 0.4222, 0.4880** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **8.0979, 0.1652, 0.0899**, and the grayscale version is **52.8040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7795, 0.3969, 0.4682**, and **30.1534, 0.4260, 0.5000** is the 20% darker color. If you saturate the color by 10%, you get **58.9266, 0.4277, 0.4939**, and if you desaturate by 10%, it is **60.5659, 0.4140, 0.4777**.

# Distribution



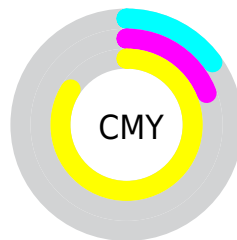
- Red (85%)
- Green (81%)
- Blue (16%)



- Red (21%)
- Yellow (85%)
- Blue (16%)



- Cyan (0%)
- Magenta (5%)
- Yellow (81%)
- Black (15%)




- Cyan (15%)
- Magenta (19%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6982, 0.4222, 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 59.6982, 0.4222, 0.4880 by changing the saturation by 10% instead.




 59.6982, 0.4222,  
0.4880


 59.6982, 0.4222,  
0.4880


423.4845, 0.3777,  
0.4171


 43.1754, 0.4293,  
0.5017

 104.3917, 0.4090,  
0.4651

 30.0228, 0.4361,  
0.5167


 133.3313, 0.4031,  
0.4556


 19.8559, 0.4415,  
0.5326

 167.1786, 0.3978,  
0.4472

 12.2903, 0.4472,  
0.5528

 206.3179, 0.3929,  
0.4398

 6.9417, 0.4386,  
0.5614

 251.1338, 0.3886,  
0.4332

 3.4257, 0.4253,  
0.5747

 302.0106, 0.3846,

 1.3578, 0.4021,

0.4273

0.5979

359.3327, 0.3810,  
0.4219

■ 0.1853, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.6982, 0.4222,  
0.4880

■ 59.6982, 0.4222,  
0.4880

■ 58.9266, 0.4277,  
0.4939

■ 60.5659, 0.4140,  
0.4777

■ 58.2721, 0.4308,  
0.4961

■ 61.5333, 0.4031,  
0.4631

■ 62.6135, 0.3902,  
0.4449

■ 63.8152, 0.3757,  
0.4239

65.1465, 0.3602,  
0.4011

66.6145, 0.3445,  
0.3775

68.2260, 0.3289,  
0.3538

69.9872, 0.3138,  
0.3307

71.9039, 0.2996,  
0.3087

# Harmonies

## Analogous

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



59.6982, 0.4861, 0.4261



59.6982, 0.4222, 0.4880



59.6982, 0.3353, 0.5109

# Triad

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



59.6982, 0.4222, 0.4880



59.6982, 0.1535, 0.2535



59.6982, 0.3620, 0.2376

# Complementary

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



59.6982, 0.4222, 0.4880



8.0979, 0.1652, 0.0899

# 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.



59.6982, 0.2647, 0.2003



59.6982, 0.4222, 0.4880



59.6982, 0.1585, 0.2025

# Square

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



59.6982, 0.4222, 0.4880



59.6982, 0.1823, 0.3464



59.6982, 0.1950, 0.1872



59.6982, 0.4562, 0.2930



# Rectangle

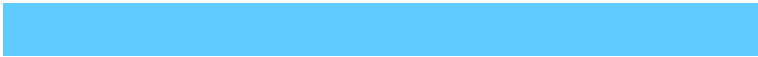
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.6982, 0.4222, 0.4880



59.6982, 0.2752, 0.4831



59.6982, 0.1950, 0.1872



59.6982, 0.3278, 0.2228

# Sweetspot

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



59.7010, 0.4222, 0.4880



94.2455, 0.3499, 0.3857



16.8246, 0.5811, 0.3215



20.0118, 0.3556, 0.3942



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.



59.7010, 0.4222, 0.4880



83.3103, 0.4301, 0.4956



56.0483, 0.3529, 0.5404



15.1169, 0.3268, 0.3507



34.9622, 0.4306, 0.4963



2.3082, 0.4286, 0.4979



# Inverse Universe

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



8.0979, 0.1652, 0.0899



7.8876, 0.1519, 0.0649



10.5842, 0.2123, 0.1071



12.7474, 0.2981, 0.3064



3.2687, 0.1512, 0.0642



0.2589, 0.1546, 0.0766



# Previews

## White Background



This preview shows how the Yxy color 59.6982, 0.4222, 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 59.6982, 0.4222, 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 59.6982, 0.4222, 0.4880**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6982, 0.4222, 0.4880.



This preview shows how white text looks on a background with the Yxy color 59.6982, 0.4222, 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

59.6982, 0.4222, 0.4880

### Protanopia

59.3659, 0.4340, 0.4794

### Deuteranopia

59.6479, 0.4611, 0.4514



## Tritanopia

59.6829, 0.3321, 0.3126

# Trichromacy



## Original Color

59.6982, 0.4222, 0.4880

## Protanomaly

59.1931, 0.4299, 0.4825

## Deuteranomaly

59.4788, 0.4477, 0.4644

## Tritanomaly

58.6950, 0.3745, 0.3863

# Monochromacy



## Original Color

59.6982, 0.4222, 0.4880

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

54.1562, 0.3617, 0.4033

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6982, 0.4222, 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(218, 207, 42)` looks like.

```
.text, #text, p{  
    color:rgb(218, 207, 42)  
}
```

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(218, 207, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 207, 42) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6982, 0.4222, 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(218, 207, 42) }
```

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

```
.border{ border-color:rgb(218, 207, 42) }
```

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

Here you see how a box with a 4 pixel rgb(218, 207, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 207, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 207, 42);  
box-shadow:4px 4px 4px 4px rgb(218, 207,  
42) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6982, 0.4222, 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(218, 207, 42) }
```

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

```
.background{ background-color: rgb(218,  
207, 42) }
```

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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