

# Converting Colors

Yxy(52.3491, 0.3967, 0.4599)

Have a look what the booklet for  
Yxy(52.3491, 0.3967, 0.4599)  
contains.

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# Color

**Yxy(52.4151, 0.3967, 0.4600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8C455
RGB	200, 196, 85
RGB Percent	78%, 77%, 33%
CMY	0.2156, 0.2314, 0.6667
CMYK	0.00, 0.02, 0.58, 0.22
HSL	58°, 51%, 56%
HSV	58°, 58%, 78%
XYZ	45.2023, 52.4151, 16.3284
YIQ	184.5420, 38.0150, -33.6730

# Conversions

## Conversions Part 2

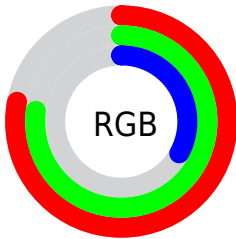
Format	Color
R <sub>Y</sub> B	89, 200, 85
Decimal	13157461
CIE Lab	77.53, -12.86, 55.00
CIE LCh	78, 56.482, 103.159
Yxy	52.4151, 0.3967, 0.4600
Android (android.graphics.Color)	4291347541 (0xFFC8C455)
YUV	184.5420, -49.0742, 13.5567
Hunter-Lab	72.3983, -15.2494, 37.3067

# Details

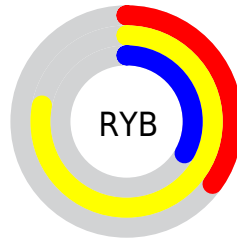
The Yxy color **52.4151, 0.3967, 0.4600** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **13.2498, 0.2034, 0.1518**, and the grayscale version is **48.5122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7158, 0.3821, 0.4393**, and **25.5783, 0.4112, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **51.8289, 0.4075, 0.4761**, and if you desaturate by 10%, it is **53.0974, 0.3839, 0.4405**.

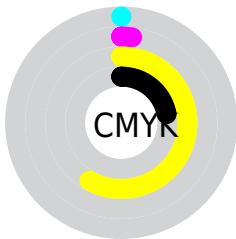
# Distribution



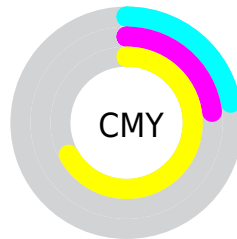
- Red (78%)
- Green (77%)
- Blue (33%)



- Red (35%)
- Yellow (78%)
- Blue (33%)



- Cyan (0%)
- Magenta (2%)
- Yellow (58%)
- Black (22%)




- Cyan (22%)
- Magenta (23%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4151, 0.3967, 0.4600 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 52.4151, 0.3967, 0.4600 by changing the saturation by 10% instead.





 52.4151, 0.3967,  
0.4600


 52.4151, 0.3967,  
0.4600

396.0370, 0.3592,  
0.3970

 37.3361, 0.4040,  
0.4741


 93.7431, 0.3845,  
0.4382


 25.4678, 0.4121,  
0.4909


 120.7609, 0.3795,  
0.4296

 16.4259, 0.4204,  
0.5110

 152.5271, 0.3750,  
0.4223

 9.8260, 0.4281,  
0.5350

 189.4260, 0.3711,  
0.4159

 5.2838, 0.4344,  
0.5656

231.8420, 0.3676,  
0.4103

 2.4147, 0.4182,  
0.5818

280.1596, 0.3645,

 0.8334, 0.3646,

0.4053

0.6354

334.7632, 0.3617,  
0.4009

0.0000, 0.0000,  
0.0000

52.4151, 0.3967,  
0.4600

52.4151, 0.3967,  
0.4600

51.8289, 0.4075,  
0.4761

53.0974, 0.3839,  
0.4405

51.3238, 0.4159,  
0.4882

53.8755, 0.3696,  
0.4184

50.8931, 0.4216,  
0.4959

54.7581, 0.3544,  
0.3949

50.5239, 0.4249,  
0.4996

55.7507, 0.3390,  
0.3706

50.4358, 0.4256,  
0.5003

56.8587, 0.3238,  
0.3466

■ 58.0870, 0.3091,  
0.3233

■ 59.4403, 0.2953,  
0.3012

■ 60.9230, 0.2824,  
0.2805

■ 61.8772, 0.2764,  
0.2712

# Harmonies

## Analogous

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



52.4151, 0.4480, 0.4183



52.4151, 0.3967, 0.4600



52.4151, 0.3265, 0.4647

# Triad

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



52.4151, 0.3967, 0.4600



52.4151, 0.1828, 0.2658



52.4151, 0.3609, 0.2603

# Complementary

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



52.4151, 0.3967, 0.4600



13.2498, 0.2034, 0.1518

# 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.



52.4151, 0.2839, 0.2270



52.4151, 0.3967, 0.4600



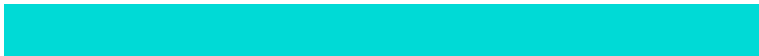
52.4151, 0.1894, 0.2257

# Square

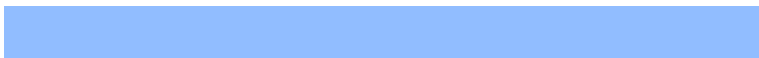
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.4151, 0.3967, 0.4600



52.4151, 0.2052, 0.3353



52.4151, 0.2236, 0.2141



52.4151, 0.4301, 0.3083



# Rectangle

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



52.4151, 0.3967, 0.4600



52.4151, 0.2785, 0.4374



52.4151, 0.2236, 0.2141



52.4151, 0.3346, 0.2472

# Sweetspot

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



52.4175, 0.3967, 0.4600



96.5538, 0.3386, 0.3700



19.5297, 0.4780, 0.3225



20.5879, 0.3417, 0.3750



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.



52.4175, 0.3967, 0.4600



89.4876, 0.4098, 0.4795



48.2922, 0.3493, 0.4881



12.3510, 0.3266, 0.3510



32.0915, 0.4255, 0.5004



1.5398, 0.4241, 0.5015



# Inverse Universe

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



13.2498, 0.2034, 0.1518



15.4120, 0.1801, 0.1131



15.9659, 0.2485, 0.1656



10.3458, 0.2983, 0.3060



2.7752, 0.1507, 0.0625



0.1526, 0.1532, 0.0714



# Previews

## White Background



This preview shows how the Yxy color 52.4151, 0.3967, 0.4600 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 52.4151, 0.3967, 0.4600 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 52.4151, 0.3967, 0.4600**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.4151, 0.3967, 0.4600.



This preview shows how white text looks on a background with the Yxy color 52.4151, 0.3967, 0.4600.

# 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

52.4151, 0.3967, 0.4600

### Protanopia

52.4855, 0.4115, 0.4510

### Deuteranopia

52.1817, 0.4369, 0.4265



## Tritanopia

52.2534, 0.3236, 0.3114

# Trichromacy



## Original Color

52.4151, 0.3967, 0.4600

## Protanomaly

52.1899, 0.4064, 0.4543

## Deuteranomaly

52.0925, 0.4224, 0.4377

## Tritanomaly

51.7005, 0.3531, 0.3659

# Monochromacy



## Original Color

52.4151, 0.3967, 0.4600

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.5123, 0.3451, 0.3809

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.4151, 0.3967, 0.4600 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(200, 196, 85)` looks like.

```
.text, #text, p{  
    color:rgb(200, 196, 85)  
}
```

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(200, 196, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 196, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 52.4151, 0.3967, 0.4600 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(200, 196, 85) }
```

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

```
.border{ border-color:rgb(200, 196, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 196, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 196, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 196, 85);  
box-shadow:4px 4px 4px 4px rgb(200, 196,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.4151, 0.3967, 0.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 196, 85) }
```

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

```
.background{ background-color: rgb(200,  
196, 85) }
```

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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