

# Converting Colors

Yxy(52.6668, 0.3870, 0.4316)

Have a look what the booklet for  
Yxy(52.6668, 0.3870, 0.4316)  
contains.

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# **Color**

**Yxy(52.6668, 0.3870, 0.4316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDC26D
RGB	205, 194, 109
RGB Percent	80%, 76%, 43%
CMY	0.1961, 0.2392, 0.5727
CMYK	0.00, 0.05, 0.47, 0.20
HSL	53°, 49%, 62%
HSV	53°, 47%, 80%
XYZ	47.2244, 52.6668, 22.1357
YIQ	187.5990, 33.8410, -24.1030

# Conversions

## Conversions Part 2

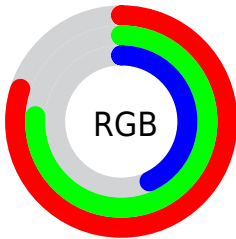
Format	Color
R <sub>YB</sub>	121, 205, 109
Decimal	13484653
CIE Lab	77.68, -7.77, 43.91
CIE LCh	78, 44.595, 100.031
Yxy	52.6668, 0.3870, 0.4316
Android (android.graphics.Color)	4291674733 (0xFFCDC26D)
YUV	187.5990, -38.7493, 15.2607
Hunter-Lab	72.5719, -10.8463, 32.7159

# Details

The Yxy color **52.6668, 0.3870, 0.4316** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.0756, 0.2274, 0.1995**, and the grayscale version is **50.2582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2398, 0.3694, 0.4158**, and **25.7448, 0.4036, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **51.2435, 0.4019, 0.4503**, and if you desaturate by 10%, it is **54.2143, 0.3711, 0.4107**.

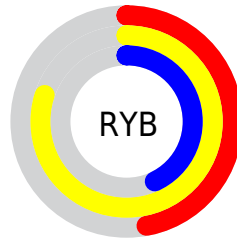
# Distribution



Red (80%)

Green (76%)

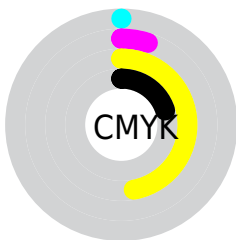
Blue (43%)



Red (47%)

Yellow (80%)

Blue (43%)

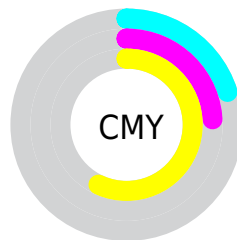


Cyan (0%)

Magenta (5%)

Yellow (47%)

Black (20%)



Cyan (20%)

Magenta (24%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6668, 0.3870, 0.4316 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 52.6668, 0.3870, 0.4316 by changing the saturation by 10% instead.





 52.6668, 0.3870,  
0.4316


 52.6668, 0.3870,  
0.4316


397.0055, 0.3524,  
0.3819


 37.5368, 0.3945,  
0.4431


 94.1139, 0.3752,  
0.4141


 25.6234, 0.4034,  
0.4572


 121.1998, 0.3705,  
0.4074

 16.5421, 0.4138,  
0.4746


 153.0398, 0.3665,  
0.4016

 9.9086, 0.4256,  
0.4960

 190.0184, 0.3629,  
0.3966

 5.3384, 0.4438,  
0.5298

232.5198, 0.3598,  
0.3922

 2.4471, 0.4463,  
0.5537

280.9285, 0.3571,

 0.8500, 0.4211,

0.3884

0.5789

335.6290, 0.3546,  
0.3849

0.0000, 0.0000,  
0.0000

52.6668, 0.3870,  
0.4316

52.6668, 0.3870,  
0.4316

51.2435, 0.4019,  
0.4503

54.2143, 0.3711,  
0.4107

49.9298, 0.4151,  
0.4659

55.8854, 0.3547,  
0.3885

48.7199, 0.4260,  
0.4775


57.6886, 0.3385,  
0.3659

47.6040, 0.4341,  
0.4846

59.6295, 0.3229,  
0.3437


46.5695, 0.4396,  
0.4875


61.7135, 0.3082,  
0.3224

 46.2523, 0.4411,  
0.4880

 63.9455, 0.2944,  
0.3022

 66.3302, 0.2818,  
0.2833

 67.6610, 0.2804,  
0.2834

 68.8463, 0.2806,  
0.2860

# Harmonies

## Analogous

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



52.6668, 0.4241, 0.3993



52.6668, 0.3870, 0.4316



52.6668, 0.3319, 0.4356

# Triad

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



52.6668, 0.3870, 0.4316



52.6668, 0.2079, 0.2851



52.6668, 0.3450, 0.2699

# Complementary

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



52.6668, 0.3870, 0.4316



21.0756, 0.2274, 0.1995

# 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.



52.6668, 0.2846, 0.2437



52.6668, 0.3870, 0.4316



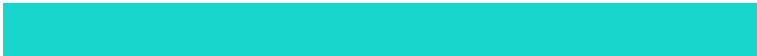
52.6668, 0.2106, 0.2486

# Square

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



52.6668, 0.3870, 0.4316



52.6668, 0.2299, 0.3417



52.6668, 0.2370, 0.2355



52.6668, 0.4005, 0.3091



# Rectangle

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



52.6668, 0.3870, 0.4316



52.6668, 0.2928, 0.4166



52.6668, 0.2370, 0.2355



52.6668, 0.3243, 0.2594

# Sweetspot

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



52.6692, 0.3870, 0.4316



95.3348, 0.3343, 0.3600



25.2681, 0.4243, 0.3150



20.2605, 0.3378, 0.3649



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.



52.6692, 0.3870, 0.4316



83.9805, 0.4017, 0.4501



53.1032, 0.3502, 0.4561



12.8692, 0.3268, 0.3493



28.8877, 0.4407, 0.4882



1.5540, 0.4360, 0.4920



# Inverse Universe

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



21.0756, 0.2274, 0.1995



26.2521, 0.2076, 0.1675



21.4284, 0.2570, 0.1946



11.0470, 0.2982, 0.3078



3.2078, 0.1525, 0.0690



0.2365, 0.1594, 0.0939



# Previews

## White Background



This preview shows how the Yxy color 52.6668, 0.3870, 0.4316 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 Xy color 52.6668, 0.3870, 0.4316 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 52.6668, 0.3870, 0.4316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6668, 0.3870, 0.4316.



This preview shows how white text looks on a background with the Yxy color 52.6668, 0.3870, 0.4316.

# 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

52.6668, 0.3870, 0.4316

### Protanopia

52.6309, 0.3942, 0.4284

### Deuteranopia

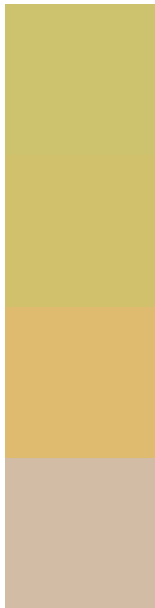
52.5292, 0.4171, 0.4074



## Tritanopia

52.6543, 0.3270, 0.3127

# Trichromacy



## Original Color

52.6668, 0.3870, 0.4316

## Protanomaly

52.7779, 0.3918, 0.4302

## Deuteranomaly

52.3763, 0.4056, 0.4160

## Tritanomaly

52.5685, 0.3500, 0.3557

# Monochromacy



## Original Color

52.6668, 0.3870, 0.4316

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.7994, 0.3404, 0.3685

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6668, 0.3870, 0.4316 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(205, 194, 109)` looks like.

```
.text, #text, p{  
    color:rgb(205, 194, 109)  
}
```

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(205, 194, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 194, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6668, 0.3870, 0.4316 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(205, 194, 109) }
```

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

```
.border{ border-color:rgb(205, 194, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 194, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 194, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 194, 109);  
box-shadow:4px 4px 4px 4px rgb(205, 194,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6668, 0.3870, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 194, 109) }
```

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

```
.background{ background-color: rgb(205,  
194, 109) }
```

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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