

# Converting Colors

$Yxy(56.0658, 0.3672, 0.4380)$

Have a look what the booklet for  
Yxy(56.0658, 0.3672, 0.4380)  
contains.

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# Color

**Yxy(55.9160, 0.3679, 0.4377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2CC74
RGB	194, 204, 116
RGB Percent	76%, 80%, 45%
CMY	0.2391, 0.2000, 0.5451
CMYK	0.05, 0.00, 0.43, 0.20
HSL	67°, 46%, 63%
HSV	67°, 43%, 80%
XYZ	46.9991, 55.9160, 24.8345
YIQ	190.9780, 22.2880, -29.4880

# Conversions

## Conversions Part 2

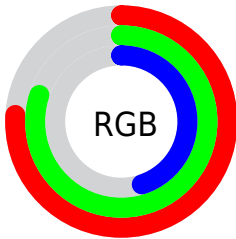
Format	Color
<a href="#">RYB</a>	<a href="#">116, 204, 126</a>
Decimal	<a href="#">12766324</a>
CIELab	<a href="#">79.57, -16.54, 42.57</a>
CIELCh	<a href="#">80, 45.671, 111.229</a>
Yxy	<a href="#">55.9160, 0.3679, 0.4377</a>
Android (android.graphics.Color)	<a href="#">4290956404 (0xFFC2CC74)</a>
YUV	<a href="#">190.9780, -36.9642, 2.6503</a>
Hunter-Lab	<a href="#">74.7770, -18.6684, 32.6528</a>

# Details

The Yxy color **55.9160, 0.3679, 0.4377** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.2796, 0.2408, 0.1991**, and the grayscale version is **52.2990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0800, 0.3617, 0.4140**, and **27.6833, 0.3792, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **55.1915, 0.3787, 0.4608**, and if you desaturate by 10%, it is **56.7545, 0.3558, 0.4128**.

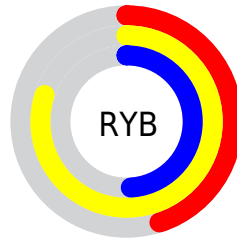
# Distribution



Red (76%)

Green (80%)

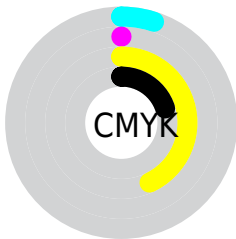
Blue (45%)



Red (45%)

Yellow (80%)

Blue (49%)

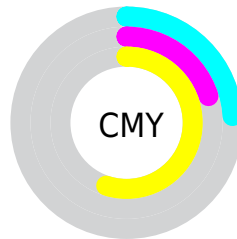


Cyan (5%)

Magenta (0%)

Yellow (43%)

Black (20%)



Cyan (24%)

Magenta (20%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9160, 0.3679, 0.4377 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 55.9160, 0.3679, 0.4377 by changing the saturation by 10% instead.





 55.9160, 0.3679,  
0.4377

 55.9160, 0.3679,  
0.4377

409.3749, 0.3431,  
0.3843


 40.1356, 0.3730,  
0.4504

 98.8817, 0.3596,  
0.4187

 27.6443, 0.3790,  
0.4662


 126.8359, 0.3563,  
0.4114

 18.0577, 0.3856,  
0.4861


 159.6167, 0.3534,  
0.4052

 10.9914, 0.3925,  
0.5119

197.6086, 0.3508,  
0.3999

 6.0611, 0.3996,  
0.5474

241.1959, 0.3485,  
0.3952

 2.8822, 0.4029,  
0.5971

290.7632, 0.3465,

 1.0706, 0.3603,

0.3911

0.6397

346.6947, 0.3447,  
0.3875

0.0000, 0.0000,  
0.0000

55.9160, 0.3679,  
0.4377

55.9160, 0.3679,  
0.4377

55.1915, 0.3787,  
0.4608

56.7545, 0.3558,  
0.4128

54.5666, 0.3875,  
0.4811

57.7058, 0.3429,  
0.3871

54.0360, 0.3941,  
0.4976


58.7781, 0.3298,  
0.3615

53.5907, 0.3981,  
0.5098


59.9769, 0.3167,  
0.3366


53.2202, 0.3995,  
0.5176

61.3072, 0.3041,  
0.3129

 52.9960, 0.3994,  
0.5211

 62.7738, 0.2922,  
0.2909

 64.1350, 0.2833,  
0.2742

 64.4769, 0.2849,  
0.2744

 64.8237, 0.2865,  
0.2747

# Harmonies

## Analogous

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



55.9160, 0.4137, 0.4139



55.9160, 0.3679, 0.4377



55.9160, 0.3098, 0.4275

# Triad

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



55.9160, 0.3679, 0.4377



55.9160, 0.2057, 0.2685



55.9160, 0.3677, 0.2832

# Complementary

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



55.9160, 0.3679, 0.4377



21.2796, 0.2408, 0.1991

# 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.



55.9160, 0.3063, 0.2513



55.9160, 0.3679, 0.4377



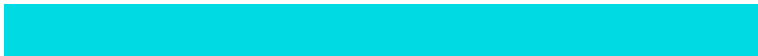
55.9160, 0.2174, 0.2407

# Square

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



55.9160, 0.3679, 0.4377



55.9160, 0.2185, 0.3189



55.9160, 0.2523, 0.2359



55.9160, 0.4159, 0.3258



# Rectangle

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



55.9160, 0.3679, 0.4377



55.9160, 0.2721, 0.3993



55.9160, 0.2523, 0.2359



55.9160, 0.3476, 0.2711

# Sweetspot

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



55.9185, 0.3679, 0.4377



97.3410, 0.3298, 0.3615



28.7115, 0.4196, 0.3407



20.7462, 0.3327, 0.3672



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.



55.9185, 0.3679, 0.4377



91.4583, 0.3782, 0.4598



51.0425, 0.3323, 0.4518



13.0297, 0.3248, 0.3520



33.3833, 0.3997, 0.5208



1.7410, 0.4038, 0.5176



# Inverse Universe

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



21.2796, 0.2408, 0.1991



26.5907, 0.2216, 0.1663



25.2598, 0.2813, 0.2123



10.9038, 0.3000, 0.3052



2.8801, 0.1544, 0.0624



0.1695, 0.1670, 0.0694



# Previews

## White Background



This preview shows how the Yxy color 55.9160, 0.3679, 0.4377 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 55.9160, 0.3679, 0.4377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

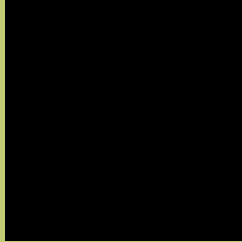
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.9160, 0.3679, 0.4377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.9160, 0.3679, 0.4377.



This preview shows how white text looks on a background with the Yxy color 55.9160, 0.3679, 0.4377.

# 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

55.9160, 0.3679, 0.4377

### Protanopia

55.7237, 0.3923, 0.4265

### Deuteranopia

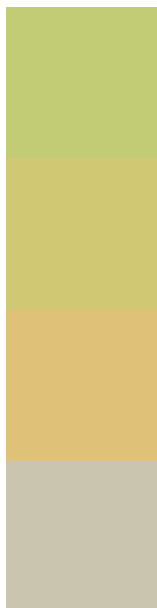
55.6732, 0.4124, 0.4030



## Tritanopia

55.6731, 0.3112, 0.3114

# Trichromacy



## Original Color

55.9160, 0.3679, 0.4377

## Protanomaly

55.9334, 0.3831, 0.4311

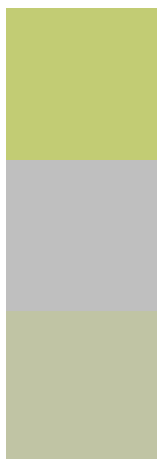
## Deuteranomaly

55.6035, 0.3958, 0.4148

## Tritanomaly

55.4452, 0.3325, 0.3560

# Monochromacy



## Original Color

55.9160, 0.3679, 0.4377

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

53.3667, 0.3336, 0.3695

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9160, 0.3679, 0.4377 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(194, 204, 116)` looks like.

```
.text, #text, p{  
    color:rgb(194, 204, 116)  
}
```

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(194, 204, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 204, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9160, 0.3679, 0.4377 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(194, 204, 116) }
```

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

```
.border{ border-color:rgb(194, 204, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 204, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 204, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 204, 116); box-shadow:4px 4px 4px 4px rgb(194, 204, 116) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9160, 0.3679, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 204, 116) }
```

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

```
.background{ background-color: rgb(194,  
204, 116) }
```

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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