

# Converting Colors

$Y_{xy}(59.3991, 0.3758, 0.4335)$

Have a look what the booklet for  
Yxy(59.3991, 0.3758, 0.4335)  
contains.

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# Color

**Yxy(59.2230, 0.3756, 0.4330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFCF77
RGB	207, 207, 119
RGB Percent	81%, 81%, 47%
CMY	0.1883, 0.1882, 0.5333
CMYK	0.00, 0.00, 0.43, 0.19
HSL	60°, 48%, 64%
HSV	60°, 43%, 81%
XYZ	51.3722, 59.2230, 26.1785
YIQ	196.9680, 28.2480, -27.3680

# Conversions

## Conversions Part 2

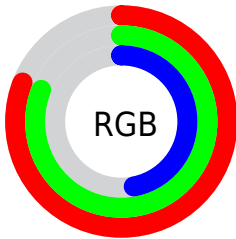
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 207, 119
Decimal	13619063
CIELab	81.41, -12.60, 43.59
CIELCh	81, 45.377, 106.124
Yxy	59.2230, 0.3756, 0.4330
Android (android.graphics.Color)	4291809143 (0xFFCFCF77)
YUV	196.9680, -38.4382, 8.7981
Hunter-Lab	76.9565, -15.5164, 33.7007

# Details

The Yxy color **59.2230, 0.3756, 0.4330** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.6256, 0.2338, 0.1985**, and the grayscale version is **56.0390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **29.7791, 0.3885, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **58.7805, 0.3885, 0.4544**, and if you desaturate by 10%, it is **59.7793, 0.3614, 0.4095**.

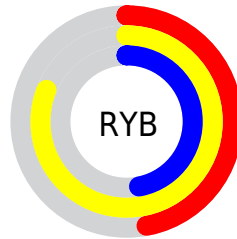
# Distribution



Red (81%)

Green (81%)

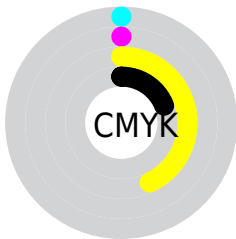
Blue (47%)



Red (47%)

Yellow (81%)

Blue (47%)

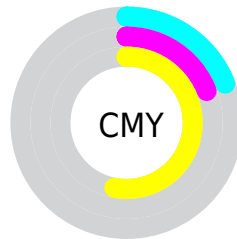


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (19%)



Cyan (19%)

Magenta (19%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2230, 0.3756, 0.4330 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 59.2230, 0.3756, 0.4330 by changing the saturation by 10% instead.



 59.2230, 0.3756,  
0.4330


 59.2230, 0.3756,  
0.4330


421.7278, 0.3472,  
0.3829

 42.7927, 0.3816,  
0.4446


 103.7017, 0.3661,  
0.4154

 29.7225, 0.3886,  
0.4589


 132.5189, 0.3623,  
0.4086

 19.6280, 0.3966,  
0.4767


 166.2337, 0.3589,  
0.4028

 12.1249, 0.4056,  
0.4992

205.2307, 0.3560,  
0.3977

 6.8288, 0.4147,  
0.5281

249.8942, 0.3534,  
0.3933

 3.3553, 0.4268,  
0.5732

300.6087, 0.3511,

 1.3199, 0.4039,

0.3894

0.5961

357.7584, 0.3490,  
0.3860

0.1565, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.2230, 0.3756,  
0.4330

59.2230, 0.3756,  
0.4330

58.7805, 0.3885,  
0.4544

59.7793, 0.3614,  
0.4095

58.4364, 0.3995,  
0.4726


60.4476, 0.3464,  
0.3847


58.1857, 0.4082,  
0.4870


61.2367, 0.3313,  
0.3597

58.0190, 0.4143,  
0.4971


62.1522, 0.3164,  
0.3350


 57.9256, 0.4179,  
0.5030


 63.1991, 0.3021,  
0.3114

 57.8890, 0.4193,  
0.5053

 64.3824, 0.2886,  
0.2892

 65.1191, 0.2814,  
0.2772

 65.1199, 0.2814,  
0.2772

 65.1207, 0.2814,  
0.2772

# Harmonies

## Analogous

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



59.2230, 0.4166, 0.4059



59.2230, 0.3756, 0.4330



59.2230, 0.3199, 0.4292

# Triad

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



59.2230, 0.3756, 0.4330



59.2230, 0.2085, 0.2771



59.2230, 0.3565, 0.2780

# Complementary

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



59.2230, 0.3756, 0.4330



21.6256, 0.2338, 0.1985

# 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.



59.2230, 0.2967, 0.2492



59.2230, 0.3756, 0.4330



59.2230, 0.2159, 0.2458

# Square

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



59.2230, 0.3756, 0.4330



59.2230, 0.2253, 0.3293



59.2230, 0.2465, 0.2373



59.2230, 0.4071, 0.3185



# Rectangle

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



59.2230, 0.3756, 0.4330



59.2230, 0.2822, 0.4057



59.2230, 0.2465, 0.2373



59.2230, 0.3365, 0.2668

# Sweetspot

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



59.2257, 0.3756, 0.4330



98.0442, 0.3322, 0.3613



27.7947, 0.4226, 0.3293



20.9220, 0.3356, 0.3669



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.



59.2257, 0.3756, 0.4330



94.2528, 0.3874, 0.4526



53.7498, 0.3391, 0.4472



13.7975, 0.3266, 0.3520



36.4690, 0.4193, 0.5053



2.0392, 0.4193, 0.5053



# Inverse Universe

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



21.6256, 0.2338, 0.1985



26.2334, 0.2142, 0.1661



25.4888, 0.2732, 0.2112



11.4179, 0.2982, 0.3050



2.8386, 0.1500, 0.0600



0.1588, 0.1501, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 59.2230, 0.3756, 0.4330 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 59.2230, 0.3756, 0.4330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

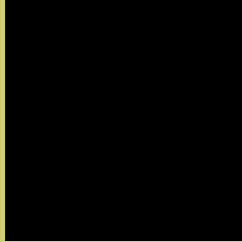
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.2230, 0.3756, 0.4330**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.2230, 0.3756, 0.4330.



This preview shows how white text looks on a background with the Yxy color 59.2230, 0.3756, 0.4330.

# 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

59.2230, 0.3756, 0.4330

### Protanopia

59.0550, 0.3921, 0.4253

### Deuteranopia

58.9575, 0.4131, 0.4043



## Tritanopia

58.9850, 0.3175, 0.3109

# Trichromacy



## Original Color

59.2230, 0.3756, 0.4330

## Protanomaly

59.2455, 0.3862, 0.4278

## Deuteranomaly

58.7576, 0.3991, 0.4144

## Tritanomaly

58.6690, 0.3396, 0.3550

# Monochromacy



## Original Color

59.2230, 0.3756, 0.4330

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

57.0554, 0.3364, 0.3681

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2230, 0.3756, 0.4330 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(207, 207, 119)` looks like.

```
.text, #text, p{  
    color:rgb(207, 207, 119)  
}
```

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(207, 207, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 207, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2230, 0.3756, 0.4330 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(207, 207, 119) }
```

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

```
.border{ border-color:rgb(207, 207, 119) }
```

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

Here you see how a box with a 4 pixel rgb(207, 207, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 207, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 207, 119);  
box-shadow:4px 4px 4px 4px rgb(207, 207,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2230, 0.3756, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 207, 119) }
```

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

```
.background{ background-color: rgb(207,  
207, 119) }
```

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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