

# Converting Colors

$Yxy(53.1930, 0.3840, 0.4549)$

Have a look what the booklet for  
Yxy(53.1930, 0.3840, 0.4549)  
contains.

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# Color

**Yxy(53.2752, 0.3845, 0.4553)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C75F
RGB	195, 199, 95
RGB Percent	76%, 78%, 37%
CMY	0.2354, 0.2196, 0.6273
CMYK	0.02, 0.00, 0.52, 0.22
HSL	62°, 48%, 58%
HSV	62°, 52%, 78%
XYZ	44.9908, 53.2752, 18.7452
YIQ	185.9480, 31.0000, -33.1920

# Conversions

## Conversions Part 2

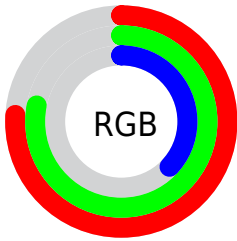
Format	Color
<b>RYB</b>	95, 199, 99
Decimal	12830559
CIELab	78.04, -15.66, 50.87
CIELCh	78, 53.229, 107.111
Yxy	53.2752, 0.3845, 0.4553
Android (android.graphics.Color)	4291020639 (0xFFC3C75F)
YUV	185.9480, -44.8374, 7.9386
Hunter-Lab	72.9899, -17.7052, 35.8661

# Details

The Yxy color **53.2752, 0.3845, 0.4553** 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 **14.9707, 0.2163, 0.1656**, and the grayscale version is **49.3160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5408, 0.3742, 0.4334**, and **25.9142, 0.3980, 0.4863** is the 20% darker color. If you saturate the color by 10%, you get **52.8580, 0.3949, 0.4744**, and if you desaturate by 10%, it is **53.7903, 0.3723, 0.4333**.

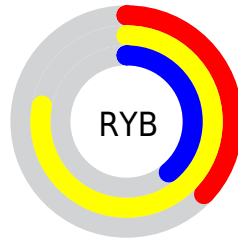
# Distribution



Red (76%)

Green (78%)

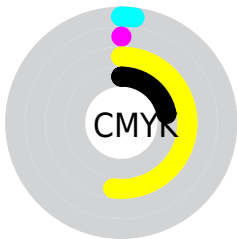
Blue (37%)



Red (37%)

Yellow (78%)

Blue (39%)

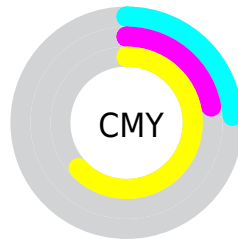


Cyan (2%)

Magenta (0%)

Yellow (52%)

Black (22%)



Cyan (24%)

Magenta (22%)


Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2752, 0.3845, 0.4553 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 53.2752, 0.3845, 0.4553 by changing the saturation by 10% instead.




 53.2752, 0.3845,  
0.4553

 53.2752, 0.3845,  
0.4553

399.3401, 0.3525,  
0.3937


 38.0225, 0.3908,  
0.4695


 95.0092, 0.3740,  
0.4337


 26.0002, 0.3979,  
0.4868


 122.2593, 0.3697,  
0.4253

 16.8238, 0.4052,  
0.5080


 154.2773, 0.3660,  
0.4181

 10.1089, 0.4118,  
0.5338

 191.4476, 0.3626,  
0.4119

 5.4712, 0.4233,  
0.5767

234.1547, 0.3597,  
0.4065

 2.5263, 0.4038,  
0.5962

282.7829, 0.3570,

 0.8898, 0.3424,

0.4017

0.6576

337.7165, 0.3546,  
0.3975

0.0000, 0.0000,  
0.0000

53.2752, 0.3845,  
0.4553

53.2752, 0.3845,  
0.4553

52.8580, 0.3949,  
0.4744

53.7903, 0.3723,  
0.4333

52.5241, 0.4030,  
0.4897

54.4024, 0.3587,  
0.4092

52.2678, 0.4086,  
0.5008

55.1197, 0.3445,  
0.3842

52.0791, 0.4115,  
0.5076

55.9477, 0.3300,  
0.3590

51.9654, 0.4125,  
0.5106

56.8914, 0.3158,  
0.3344

■ 57.9555, 0.3022,  
0.3109

■ 59.1445, 0.2893,  
0.2888

■ 60.4626, 0.2773,  
0.2684

■ 60.6188, 0.2774,  
0.2677

# Harmonies

## Analogous

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



53.2752, 0.4357, 0.4204



53.2752, 0.3845, 0.4553



53.2752, 0.3173, 0.4522

# Triad

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



53.2752, 0.3845, 0.4553



53.2752, 0.1891, 0.2634



53.2752, 0.3677, 0.2695

# Complementary

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



53.2752, 0.3845, 0.4553



14.9707, 0.2163, 0.1656

# 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.



53.2752, 0.2949, 0.2355



53.2752, 0.3845, 0.4553



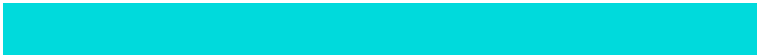
53.2752, 0.1988, 0.2286

# Square

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



53.2752, 0.3845, 0.4553



53.2752, 0.2069, 0.3256



53.2752, 0.2349, 0.2206



53.2752, 0.4291, 0.3167



# Rectangle

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



53.2752, 0.3845, 0.4553



53.2752, 0.2726, 0.4222



53.2752, 0.2349, 0.2206



53.2752, 0.3433, 0.2564

# Sweetspot

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



53.2776, 0.3845, 0.4553



97.3460, 0.3358, 0.3690



21.7993, 0.4600, 0.3339



20.7713, 0.3388, 0.3743



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.



53.2776, 0.3845, 0.4553



92.4305, 0.3964, 0.4772



47.5683, 0.3401, 0.4770



12.3952, 0.3259, 0.3519



33.4198, 0.4126, 0.5106



1.5891, 0.4141, 0.5094



# Inverse Universe

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



14.9707, 0.2163, 0.1656



18.0308, 0.1929, 0.1269



18.8446, 0.2650, 0.1844



10.3068, 0.2989, 0.3052



2.6924, 0.1514, 0.0608



0.1345, 0.1563, 0.0635



# Previews

## White Background



This preview shows how the Yxy color 53.2752, 0.3845, 0.4553 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 53.2752, 0.3845, 0.4553 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

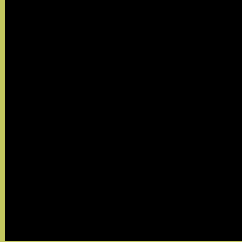
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.2752, 0.3845, 0.4553**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2752, 0.3845, 0.4553.



This preview shows how white text looks on a background with the Yxy color 53.2752, 0.3845, 0.4553.

# 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

53.2752, 0.3845, 0.4553

### Protanopia

53.0764, 0.4054, 0.4438

### Deuteranopia

53.1864, 0.4287, 0.4197



## Tritanopia

52.9267, 0.3168, 0.3112

# Trichromacy



## Original Color

53.2752, 0.3845, 0.4553

## Protanomaly

52.9602, 0.3973, 0.4477

## Deuteranomaly

52.8066, 0.4127, 0.4314

## Tritanomaly

52.4625, 0.3439, 0.3638

# Monochromacy



## Original Color

53.2752, 0.3845, 0.4553

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

50.3803, 0.3405, 0.3782

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2752, 0.3845, 0.4553 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(195, 199, 95)` looks like.

```
.text, #text, p{  
    color:rgb(195, 199, 95)  
}
```

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(195, 199, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 199, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2752, 0.3845, 0.4553 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(195, 199, 95) }
```

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

```
.border{ border-color:rgb(195, 199, 95) }
```

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

Here you see how a box with a 4 pixel rgb(195, 199, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 199, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 199, 95);  
box-shadow:4px 4px 4px 4px rgb(195, 199,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2752, 0.3845, 0.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 199, 95) }
```

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

```
.background{ background-color: rgb(195,  
199, 95) }
```

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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