

# Converting Colors

Yxy(53.1459, 0.3704, 0.4249)

Have a look what the booklet for  
Yxy(53.1459, 0.3704, 0.4249)  
contains.

<b>Yxy(53.1589, 0.3707, 0.4248)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.1589, 0.3707, 0.4248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5C578
RGB	197, 197, 120
RGB Percent	77%, 77%, 47%
CMY	0.2273, 0.2275, 0.5293
CMYK	0.00, 0.00, 0.39, 0.23
HSL	60°, 40%, 62%
HSV	60°, 39%, 77%
XYZ	46.3889, 53.1589, 25.5909
YIQ	188.2220, 24.7170, -23.9470

# Conversions

## Conversions Part 2

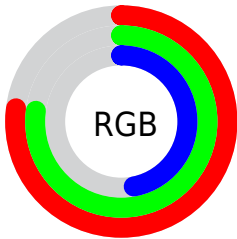
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 197, 120
Decimal	12961144
CIELab	77.97, -11.37, 38.59
CIELCh	78, 40.230, 106.418
Yxy	53.1589, 0.3707, 0.4248
Android (android.graphics.Color)	4291151224 (0xFFC5C578)
YUV	188.2220, -33.6334, 7.6983
Hunter-Lab	72.9102, -14.0226, 30.2268

# Details

The Yxy color **53.1589, 0.3707, 0.4248** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.4730, 0.2414, 0.2111**, and the grayscale version is **50.6109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1608, 0.3617, 0.4087**, and **25.8379, 0.3838, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **52.7272, 0.3841, 0.4470**, and if you desaturate by 10%, it is **53.6939, 0.3562, 0.4008**.

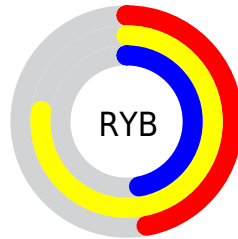
# Distribution



Red (77%)

Green (77%)

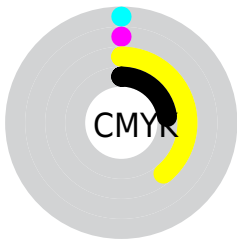
Blue (47%)



Red (47%)

Yellow (77%)

Blue (47%)

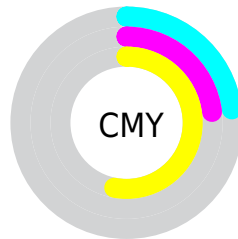


Cyan (0%)

Magenta (0%)

Yellow (39%)

Black (23%)



Cyan (23%)

Magenta (23%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1589, 0.3707, 0.4248 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 53.1589, 0.3707, 0.4248 by changing the saturation by 10% instead.





 53.1589, 0.3707,  
0.4248


 53.1589, 0.3707,  
0.4248


398.8945, 0.3437,  
0.3776


 37.9296, 0.3766,  
0.4361


 94.8381, 0.3615,  
0.4080

 25.9281, 0.3837,  
0.4501


 122.0569, 0.3578,  
0.4016

 16.7698, 0.3920,  
0.4680


 154.0410, 0.3547,  
0.3961

 10.0705, 0.4016,  
0.4911

191.1747, 0.3519,  
0.3914

 5.4457, 0.4127,  
0.5227

233.8426, 0.3495,  
0.3873

 2.5111, 0.4272,  
0.5728

282.4289, 0.3474,

 0.8822, 0.3887,

0.3837

0.6113

337.3180, 0.3454,  
0.3805

0.0000, 0.0000,  
0.0000

53.1589, 0.3707,  
0.4248

53.1589, 0.3707,  
0.4248

52.7272, 0.3841,  
0.4470

53.6939, 0.3562,  
0.4008

52.3853, 0.3959,  
0.4664

54.3305, 0.3411,  
0.3760

52.1291, 0.4054,  
0.4822


55.0763, 0.3261,  
0.3511


51.9509, 0.4125,  
0.4938

55.9359, 0.3114,  
0.3268


51.8415, 0.4170,  
0.5012

56.9141, 0.2974,  
0.3037


 51.7855, 0.4192,  
0.5049

 58.0150, 0.2843,  
0.2821

 51.7812, 0.4194,  
0.5052

 59.0518, 0.2739,  
0.2649

 59.0557, 0.2739,  
0.2649

 59.0595, 0.2739,  
0.2649

# Harmonies

## Analogous

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



53.1589, 0.4084, 0.4010



53.1589, 0.3707, 0.4248



53.1589, 0.3193, 0.4202

# Triad

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



53.1589, 0.3707, 0.4248



53.1589, 0.2160, 0.2812



53.1589, 0.3536, 0.2822

# Complementary

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



53.1589, 0.3707, 0.4248



21.4730, 0.2414, 0.2111

# 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.



53.1589, 0.2987, 0.2551



53.1589, 0.3707, 0.4248



53.1589, 0.2231, 0.2520

# Square

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



53.1589, 0.3707, 0.4248



53.1589, 0.2317, 0.3291



53.1589, 0.2519, 0.2439



53.1589, 0.3997, 0.3201



# Rectangle

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



53.1589, 0.3707, 0.4248



53.1589, 0.2845, 0.3985



53.1589, 0.2519, 0.2439



53.1589, 0.3353, 0.2717

# Sweetspot

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



53.1613, 0.3707, 0.4248



98.1751, 0.3307, 0.3587



26.7000, 0.4076, 0.3276



20.9749, 0.3327, 0.3620



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.



53.1613, 0.3707, 0.4248



94.5005, 0.3824, 0.4441



48.7560, 0.3384, 0.4362



12.4162, 0.3265, 0.3518



34.0481, 0.4194, 0.5052



1.6124, 0.4194, 0.5052



# Inverse Universe

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



21.4730, 0.2414, 0.2111



29.7677, 0.2229, 0.1805



24.6628, 0.2761, 0.2214



10.2882, 0.2983, 0.3051



2.6530, 0.1500, 0.0600



0.1259, 0.1501, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 53.1589, 0.3707, 0.4248 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 53.1589, 0.3707, 0.4248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

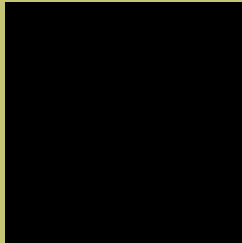
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.1589, 0.3707, 0.4248**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.1589, 0.3707, 0.4248.



This preview shows how white text looks on a background with the Yxy color 53.1589, 0.3707, 0.4248.

# 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

53.1589, 0.3707, 0.4248

### Protanopia

53.1496, 0.3855, 0.4189

### Deuteranopia

52.8668, 0.4061, 0.3976



## Tritanopia

52.9267, 0.3168, 0.3112

# Trichromacy



## Original Color

53.1589, 0.3707, 0.4248

## Protanomaly

52.8946, 0.3798, 0.4203

## Deuteranomaly

52.8604, 0.3926, 0.4075

## Tritanomaly

52.9367, 0.3375, 0.3524

# Monochromacy



## Original Color

53.1589, 0.3707, 0.4248

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.9823, 0.3344, 0.3648

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.1589, 0.3707, 0.4248 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(197, 197, 120)` looks like.

```
.text, #text, p{  
    color:rgb(197, 197, 120)  
}
```

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(197, 197, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 197, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 53.1589, 0.3707, 0.4248 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(197, 197, 120) }
```

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

```
.border{ border-color:rgb(197, 197, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 197, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 197, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 197, 120);  
box-shadow:4px 4px 4px 4px rgb(197, 197,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.1589, 0.3707, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 197, 120) }
```

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

```
.background{ background-color: rgb(197,  
197, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor