

# Converting Colors

$Y_{xy}(53.2120, 0.3675, 0.4214)$

Have a look what the booklet for  
Yxy(53.2120, 0.3675, 0.4214)  
contains.

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# Color

**Yxy(53.0983, 0.3677, 0.4216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4C57B
RGB	196, 197, 123
RGB Percent	77%, 77%, 48%
CMY	0.2313, 0.2275, 0.5178
CMYK	0.00, 0.00, 0.38, 0.23
HSL	61°, 39%, 63%
HSV	61°, 38%, 77%
XYZ	46.3099, 53.0983, 26.5366
YIQ	188.2650, 23.1580, -23.2260

# Conversions

## Conversions Part 2

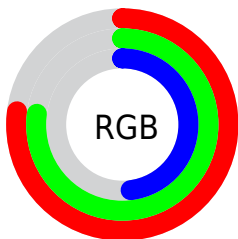
Format	Color
<b>RYB</b>	123, 197, 124
Decimal	12895611
CIELab	77.93, -11.44, 37.03
CIELCh	78, 38.753, 107.171
Yxy	53.0983, 0.3677, 0.4216
Android (android.graphics.Color)	4291085691 (0xFFC4C57B)
YUV	188.2650, -32.1756, 6.7836
Hunter-Lab	72.8686, -14.0786, 29.4164

# Details

The Yxy color **53.0983, 0.3677, 0.4216** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.4705, 0.2454, 0.2166**, and the grayscale version is **50.6263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0890, 0.3593, 0.4060**, and **25.7887, 0.3800, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **52.6214, 0.3811, 0.4443**, and if you desaturate by 10%, it is **53.6793, 0.3533, 0.3973**.

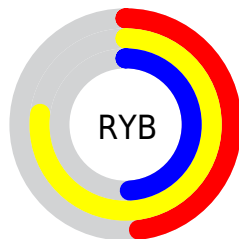
# Distribution



Red (77%)

Green (77%)

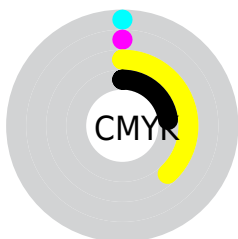
Blue (48%)



Red (48%)

Yellow (77%)

Blue (49%)

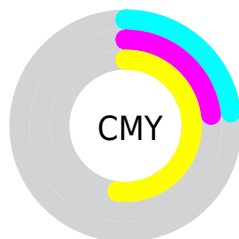


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (23%)



Cyan (23%)

Magenta (23%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0983, 0.3677, 0.4216 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 53.0983, 0.3677, 0.4216 by changing the saturation by 10% instead.





 53.0983, 0.3677,  
0.4216


 53.0983, 0.3677,  
0.4216


398.6621, 0.3421,  
0.3759

 37.8812, 0.3734,  
0.4326


 94.7490, 0.3589,  
0.4053

 25.8905, 0.3801,  
0.4463


 121.9514, 0.3554,  
0.3991

 16.7418, 0.3882,  
0.4639


 153.9178, 0.3524,  
0.3938

 10.0505, 0.3977,  
0.4868

191.0325, 0.3498,  
0.3892

 5.4325, 0.4081,  
0.5177

233.6798, 0.3475,  
0.3852

 2.5032, 0.4267,  
0.5733

282.2443, 0.3455,

 0.8782, 0.3874,

0.3817

0.6126

337.1103, 0.3437,  
0.3787

0.0000, 0.0000,  
0.0000

53.0983, 0.3677,  
0.4216

53.0983, 0.3677,  
0.4216

52.6214, 0.3811,  
0.4443

53.6793, 0.3533,  
0.3973

52.2355, 0.3929,  
0.4644

54.3627, 0.3385,  
0.3723

51.9362, 0.4025,  
0.4811

55.1561, 0.3237,  
0.3474

51.7162, 0.4098,  
0.4936

56.0641, 0.3093,  
0.3233


51.5665, 0.4144,  
0.5019


57.0912, 0.2956,  
0.3004


 51.4747, 0.4166,  
0.5063

 58.2417, 0.2828,  
0.2790

 51.4559, 0.4170,  
0.5071

 59.1358, 0.2745,  
0.2650

 59.1710, 0.2747,  
0.2650

 59.2062, 0.2748,  
0.2650

# Harmonies

## Analogous

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



53.0983, 0.4045, 0.3995



53.0983, 0.3677, 0.4216



53.0983, 0.3179, 0.4161

# Triad

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



53.0983, 0.3677, 0.4216



53.0983, 0.2191, 0.2821



53.0983, 0.3535, 0.2846

# Complementary

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



53.0983, 0.3677, 0.4216



22.4705, 0.2454, 0.2166

# 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.



53.0983, 0.3005, 0.2580



53.0983, 0.3677, 0.4216



53.0983, 0.2265, 0.2542

# Square

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



53.0983, 0.3677, 0.4216



53.0983, 0.2338, 0.3280



53.0983, 0.2550, 0.2467



53.0983, 0.3974, 0.3216



# Rectangle

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



53.0983, 0.3677, 0.4216



53.0983, 0.2844, 0.3947



53.0983, 0.2550, 0.2467



53.0983, 0.3359, 0.2743

# Sweetspot

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



53.1007, 0.3677, 0.4216



98.2535, 0.3289, 0.3563



27.4580, 0.4039, 0.3293



20.9880, 0.3310, 0.3597



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.



53.1007, 0.3677, 0.4216



94.3961, 0.3787, 0.4402



48.8334, 0.3365, 0.4321



12.4096, 0.3263, 0.3518



33.8484, 0.4171, 0.5070



1.6050, 0.4176, 0.5066



# Inverse Universe

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



22.4705, 0.2454, 0.2166



31.7786, 0.2282, 0.1880



25.6617, 0.2791, 0.2263



10.2940, 0.2985, 0.3051



2.6654, 0.1505, 0.0603



0.1286, 0.1522, 0.0612



# Previews

## White Background



This preview shows how the Yxy color 53.0983, 0.3677, 0.4216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

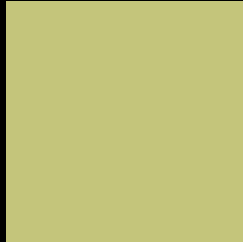
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0983, 0.3677, 0.4216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

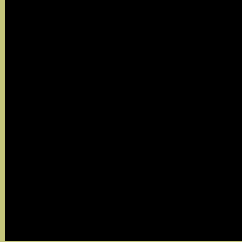
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0983, 0.3677, 0.4216**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0983, 0.3677, 0.4216.



This preview shows how white text looks on a background with the Yxy color 53.0983, 0.3677, 0.4216.

# 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

53.0983, 0.3677, 0.4216

### Protanopia

53.2220, 0.3833, 0.4155

### Deuteranopia

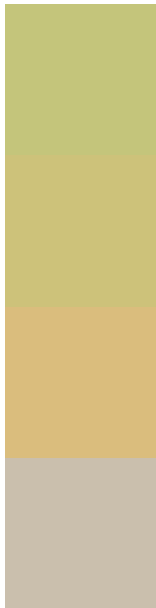
52.7763, 0.4028, 0.3947



## Tritanopia

52.7841, 0.3160, 0.3112

# Trichromacy



## Original Color

53.0983, 0.3677, 0.4216

## Protanomaly

52.9678, 0.3776, 0.4169

## Deuteranomaly

52.7813, 0.3894, 0.4044

## Tritanomaly

52.8353, 0.3359, 0.3512

# Monochromacy



## Original Color

53.0983, 0.3677, 0.4216

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.0183, 0.3336, 0.3635

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0983, 0.3677, 0.4216 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(196, 197, 123)` looks like.

```
.text, #text, p{  
    color:rgb(196, 197, 123)  
}
```

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(196, 197, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 197, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0983, 0.3677, 0.4216 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(196, 197, 123) }
```

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

```
.border{ border-color:rgb(196, 197, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 197, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 197, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 197, 123);  
box-shadow:4px 4px 4px 4px rgb(196, 197,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0983, 0.3677, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 197, 123) }
```

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

```
.background{ background-color: rgb(196,  
197, 123) }
```

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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