

# Converting Colors

Yxy(54.4065, 0.3392, 0.3632)

Have a look what the booklet for  
Yxy(54.4065, 0.3392, 0.3632)  
contains.

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# Color

**Yxy(54.3768, 0.3399, 0.3635)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAC3A7
RGB	202, 195, 167
RGB Percent	79%, 76%, 65%
CMY	0.2078, 0.2353, 0.3451
CMYK	0.00, 0.03, 0.17, 0.21
HSL	48°, 25%, 72%
HSV	48°, 17%, 79%
XYZ	50.8464, 54.3768, 44.3691
YIQ	193.9010, 13.1600, -7.2240

# Conversions

## Conversions Part 2

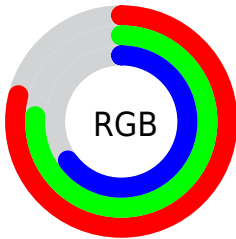
Format	Color
<a href="#">RYB</a>	<a href="#">176, 202, 167</a>
Decimal	<a href="#">13288359</a>
CIELab	<a href="#">78.68, -2.22, 14.97</a>
CIElCh	<a href="#">79, 15.130, 98.419</a>
Yxy	<a href="#">54.3768, 0.3399, 0.3635</a>
Android (android.graphics.Color)	<a href="#">4291478439</a> ( <a href="#">0xFFCAC3A7</a> )
YUV	<a href="#">193.9010, -13.2622, 7.1028</a>
Hunter-Lab	<a href="#">73.7406, -5.9649, 15.9442</a>

# Details

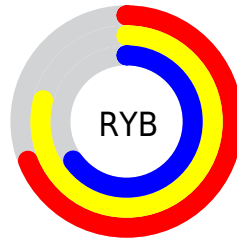
The Yxy color **54.3768, 0.3399, 0.3635** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.7446, 0.2850, 0.2920**, and the grayscale version is **53.9620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1547, 0.3325, 0.3583**, and **26.5835, 0.3475, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **51.9053, 0.3569, 0.3841**, and if you desaturate by 10%, it is **57.0187, 0.3238, 0.3433**.

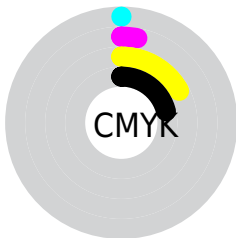
# Distribution



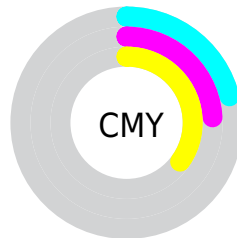
- Red (79%)
- Green (76%)
- Blue (65%)



- Red (69%)
- Yellow (79%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (17%)
- Black (21%)




- Cyan (21%)
- Magenta (24%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3768, 0.3399, 0.3635 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 54.3768, 0.3399, 0.3635 by changing the saturation by 10% instead.




 54.3768, 0.3399,  
0.3635


 54.3768, 0.3399,  
0.3635


403.5452, 0.3267,  
0.3466

 38.9030, 0.3431,  
0.3676

 96.6273, 0.3352,  
0.3575

 26.6843, 0.3471,  
0.3728


 124.1727, 0.3334,  
0.3552

 17.3362, 0.3522,  
0.3796


156.5108, 0.3319,  
0.3532

 10.4745, 0.3592,  
0.3888

194.0260, 0.3306,  
0.3515

 5.7147, 0.3691,  
0.4020

237.1026, 0.3294,  
0.3501

 2.6724, 0.3839,  
0.4224

286.1251, 0.3284,

 0.9632, 0.4715,

0.3488

0.5285

341.4779, 0.3275,  
0.3476

0.0000, 0.0000,  
0.0000

54.3768, 0.3399,  
0.3635

54.3768, 0.3399,  
0.3635

51.9053, 0.3569,  
0.3841

57.0187, 0.3238,  
0.3433

49.5912, 0.3745,  
0.4045

59.8292, 0.3088,  
0.3239

47.4307, 0.3922,  
0.4238

62.8158, 0.2951,  
0.3057

45.4170, 0.4093,  
0.4412

65.9835, 0.2826,  
0.2887

43.5427, 0.4251,  
0.4555

68.4716, 0.2787,  
0.2859

■ 41.7995, 0.4388,  
0.4659

■ 70.5547, 0.2790,  
0.2903

■ 40.1776, 0.4498,  
0.4717

■ 72.6889, 0.2793,  
0.2948

■ 38.6637, 0.4580,  
0.4730

■ 74.8746, 0.2796,  
0.2993

■ 38.2720, 0.4599,  
0.4730

■ 77.1120, 0.2799,  
0.3037

# Harmonies

## Analogous

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



54.3768, 0.3509, 0.3545



54.3768, 0.3399, 0.3635



54.3768, 0.3217, 0.3630

# Triad

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



54.3768, 0.3399, 0.3635



54.3768, 0.2755, 0.3167



54.3768, 0.3231, 0.3071

# Complementary

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



54.3768, 0.3399, 0.3635



42.7446, 0.2850, 0.2920

# 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.



54.3768, 0.3028, 0.2975



54.3768, 0.3399, 0.3635



54.3768, 0.2758, 0.3023

# Square

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



54.3768, 0.3399, 0.3635



54.3768, 0.2848, 0.3352



54.3768, 0.2856, 0.2956



54.3768, 0.3411, 0.3222



# Rectangle

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



54.3768, 0.3399, 0.3635



54.3768, 0.3082, 0.3570



54.3768, 0.2856, 0.2956



54.3768, 0.3163, 0.3032

# Sweetspot

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



54.3792, 0.3399, 0.3635



97.5913, 0.3203, 0.3388



43.2458, 0.3393, 0.3203



20.8174, 0.3214, 0.3402



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.



54.3792, 0.3399, 0.3635



90.3812, 0.3465, 0.3716



56.1721, 0.3299, 0.3729



12.7011, 0.3270, 0.3474



24.7554, 0.4593, 0.4735



1.3765, 0.4501, 0.4808



# Inverse Universe

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



42.7446, 0.2850, 0.2920



66.8613, 0.2781, 0.2824



41.3028, 0.2934, 0.2836



11.2009, 0.2982, 0.3099



3.8381, 0.1558, 0.0807



0.3075, 0.1658, 0.1167



# Previews

## White Background



This preview shows how the Yxy color 54.3768, 0.3399, 0.3635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

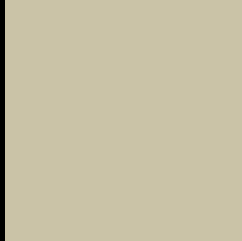
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.3768, 0.3399, 0.3635 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

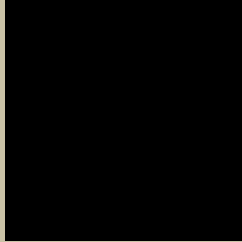
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

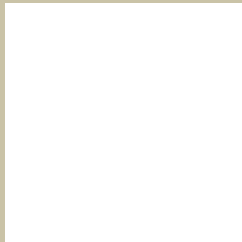
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.3768, 0.3399, 0.3635**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3768, 0.3399, 0.3635.



This preview shows how white text looks on a background with the Yxy color 54.3768, 0.3399, 0.3635.

# 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

54.3768, 0.3399, 0.3635

### Protanopia

54.3527, 0.3426, 0.3620

### Deuteranopia

54.0558, 0.3591, 0.3513



## Tritanopia

54.5001, 0.3152, 0.3114

# Trichromacy



## Original Color

54.3768, 0.3399, 0.3635

## Protanomaly

54.2110, 0.3418, 0.3621

## Deuteranomaly

54.1011, 0.3514, 0.3553

## Tritanomaly

54.4400, 0.3241, 0.3302

# Monochromacy



## Original Color

54.3768, 0.3399, 0.3635

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

53.9146, 0.3227, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3768, 0.3399, 0.3635 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(202, 195, 167)` looks like.

```
.text, #text, p{  
    color:rgb(202, 195, 167)  
}
```

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(202, 195, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 195, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3768, 0.3399, 0.3635 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(202, 195, 167) }
```

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

```
.border{ border-color:rgb(202, 195, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 195, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 195, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 195, 167);  
box-shadow:4px 4px 4px 4px rgb(202, 195,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3768, 0.3399, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 195, 167) }
```

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

```
.background{ background-color: rgb(202,  
195, 167) }
```

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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