

# Converting Colors

$Y_{xy}(53.9533, 0.3493, 0.3784)$

Have a look what the booklet for  
Yxy(53.9533, 0.3493, 0.3784)  
contains.

<b>Yxy(53.9533, 0.3493, 0.3785)</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(53.9533, 0.3493, 0.3785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAC39B
RGB	202, 195, 155
RGB Percent	79%, 76%, 61%
CMY	0.2078, 0.2353, 0.3921
CMYK	0.00, 0.03, 0.23, 0.21
HSL	51°, 31%, 70%
HSV	51°, 23%, 79%
XYZ	49.7910, 53.9533, 38.8008
YIQ	192.5330, 17.0120, -10.9560

# Conversions

## Conversions Part 2

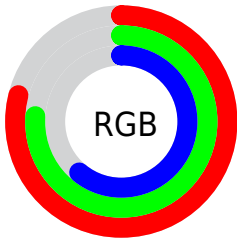
Format	Color
<b>RYB</b>	163, 202, 155
Decimal	13288347
CIELab	78.43, -3.98, 21.02
CIELCh	78, 21.398, 100.722
Yxy	53.9533, 0.3493, 0.3785
Android (android.graphics.Color)	4291478427 (0xFFCAC39B)
YUV	192.5330, -18.5038, 8.3026
Hunter-Lab	73.4529, -7.5441, 20.0977

# Details

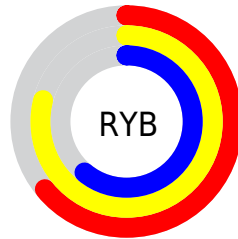
The Yxy color **53.9533, 0.3493, 0.3785** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.0791, 0.2743, 0.2741**, and the grayscale version is **53.1453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9075, 0.3400, 0.3693**, and **26.2523, 0.3580, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **51.9963, 0.3661, 0.4002**, and if you desaturate by 10%, it is **56.0559, 0.3330, 0.3568**.

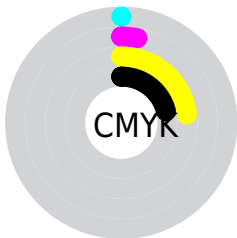
# Distribution



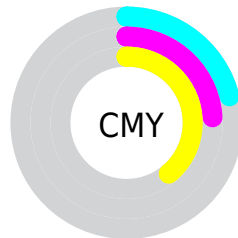
- Red (79%)
- Green (76%)
- Blue (61%)



- Red (64%)
- Yellow (79%)
- Blue (61%)



- Cyan (0%)
- Magenta (3%)
- Yellow (23%)
- Black (21%)




- Cyan (21%)
- Magenta (24%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9533, 0.3493, 0.3785 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 53.9533, 0.3493, 0.3785 by changing the saturation by 10% instead.





 53.9533, 0.3493,  
0.3785

 53.9533, 0.3493,  
0.3785


401.9319, 0.3316,  
0.3542

 38.5643, 0.3535,  
0.3844


 96.0057, 0.3430,  
0.3698

 26.4210, 0.3587,  
0.3918


 123.4379, 0.3406,  
0.3665

 17.1388, 0.3655,  
0.4015


155.6532, 0.3386,  
0.3637

 10.3335, 0.3744,  
0.4147

193.0362, 0.3368,  
0.3613

 5.6207, 0.3866,  
0.4332

235.9712, 0.3353,  
0.3592

 2.6158, 0.4049,  
0.4622

284.8425, 0.3339,

 0.9346, 0.4582,

0.3573

0.5418

340.0346, 0.3327,  
0.3557

0.0000, 0.0000,  
0.0000

53.9533, 0.3493,  
0.3785

53.9533, 0.3493,  
0.3785

51.9963, 0.3661,  
0.4002

56.0559, 0.3330,  
0.3568

50.1718, 0.3828,  
0.4210

58.3024, 0.3176,  
0.3357

48.4761, 0.3990,  
0.4401

60.7001, 0.3031,  
0.3156

46.9021, 0.4139,  
0.4565

63.2539, 0.2898,  
0.2967

45.4422, 0.4268,  
0.4692

65.9031, 0.2783,  
0.2801

■ 44.0876, 0.4371,  
0.4775

■ 67.4054, 0.2785,  
0.2835

■ 42.8275, 0.4446,  
0.4814

■ 68.9358, 0.2788,  
0.2869

■ 42.0199, 0.4485,  
0.4821

■ 70.4945, 0.2790,  
0.2902

■ 72.0816, 0.2792,  
0.2936

# Harmonies

## Analogous

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



53.9533, 0.3662, 0.3659



53.9533, 0.3493, 0.3785



53.9533, 0.3229, 0.3772

# Triad

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



53.9533, 0.3493, 0.3785



53.9533, 0.2601, 0.3091



53.9533, 0.3295, 0.2998

# Complementary

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



53.9533, 0.3493, 0.3785



37.0791, 0.2743, 0.2741

# 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.



53.9533, 0.3005, 0.2858



53.9533, 0.3493, 0.3785



53.9533, 0.2615, 0.2900

# Square

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



53.9533, 0.3493, 0.3785



53.9533, 0.2719, 0.3354



53.9533, 0.2760, 0.2820



53.9533, 0.3547, 0.3209



# Rectangle

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



53.9533, 0.3493, 0.3785



53.9533, 0.3038, 0.3680



53.9533, 0.2760, 0.2820



53.9533, 0.3198, 0.2941

# Sweetspot

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



53.9557, 0.3493, 0.3785



97.2165, 0.3234, 0.3437



38.6125, 0.3532, 0.3201



20.7582, 0.3243, 0.3450



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.



53.9557, 0.3493, 0.3785



89.6175, 0.3578, 0.3896



54.9972, 0.3339, 0.3892



12.8005, 0.3269, 0.3486



27.1392, 0.4480, 0.4825



1.4795, 0.4416, 0.4876



# Inverse Universe

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



37.0791, 0.2743, 0.2741



56.0550, 0.2648, 0.2601



36.4178, 0.2877, 0.2667



11.1095, 0.2982, 0.3087



3.4273, 0.1537, 0.0731



0.2654, 0.1621, 0.1034



# Previews

## White Background



This preview shows how the Yxy color 53.9533, 0.3493, 0.3785 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 53.9533, 0.3493, 0.3785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

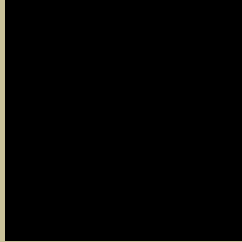
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

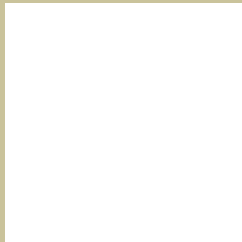
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.9533, 0.3493, 0.3785**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9533, 0.3493, 0.3785.



This preview shows how white text looks on a background with the Yxy color 53.9533, 0.3493, 0.3785.

# 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

53.9533, 0.3493, 0.3785

### Protanopia

54.0385, 0.3538, 0.3780

### Deuteranopia

53.7209, 0.3714, 0.3627



## Tritanopia

53.6881, 0.3176, 0.3113

# Trichromacy



## Original Color

53.9533, 0.3493, 0.3785

## Protanomaly

53.8958, 0.3529, 0.3782

## Deuteranomaly

53.5472, 0.3633, 0.3684

## Tritanomaly

53.9286, 0.3290, 0.3351

# Monochromacy



## Original Color

53.9533, 0.3493, 0.3785

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.5740, 0.3257, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9533, 0.3493, 0.3785 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(202, 195, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 195, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9533, 0.3493, 0.3785 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, 155) }
```

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

```
.border{ border-color:rgb(202, 195, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 195, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 195, 155);  
box-shadow:4px 4px 4px 4px rgb(202, 195,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9533, 0.3493, 0.3785 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, 155) }
```

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

```
.background{ background-color: rgb(202,  
195, 155) }
```

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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