

# Converting Colors

$Yxy(54.9804, 0.3425, 0.3619)$

Have a look what the booklet for  
Yxy(54.9804, 0.3425, 0.3619)  
contains.

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# Color

**Yxy(54.9792, 0.3425, 0.3619)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEC3A8
RGB	206, 195, 168
RGB Percent	81%, 76%, 66%
CMY	0.1922, 0.2352, 0.3412
CMYK	0.00, 0.05, 0.18, 0.19
HSL	43°, 28%, 73%
HSV	43°, 18%, 81%
XYZ	52.0320, 54.9792, 44.9070
YIQ	195.2110, 15.2230, -6.0650

# Conversions

## Conversions Part 2

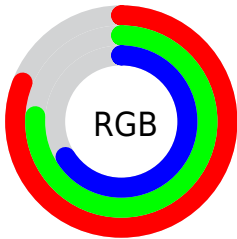
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 206, 168
Decimal	13550504
CIE Lab	79.03, -0.59, 14.97
CIE LCh	79, 14.982, 92.243
Yxy	54.9792, 0.3425, 0.3619
Android (android.graphics.Color)	4291740584 (0xFFCEC3A8)
YUV	195.2110, -13.4150, 9.4620
Hunter-Lab	74.1480, -4.4998, 15.9951

# Details

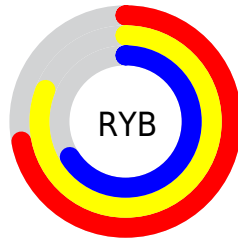
The Yxy color  $54.9792, 0.3425, 0.3619$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $45.0015, 0.2833, 0.2938$ , and the grayscale version is  $54.7798, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.5821, 0.3320, 0.3564$ , and  $26.8900, 0.3499, 0.3699$  is the 20% darker color. If you saturate the color by 10%, you get  $51.6610, 0.3606, 0.3805$ , and if you desaturate by 10%, it is  $58.5301, 0.3257, 0.3437$ .

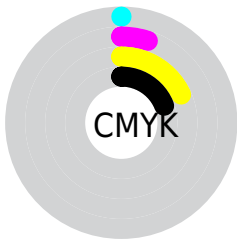
# Distribution



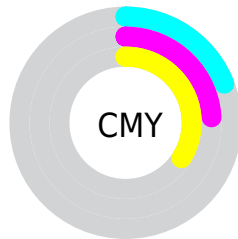
- Red (81%)
- Green (76%)
- Blue (66%)



- Red (72%)
- Yellow (81%)
- Blue (66%)



- Cyan (0%)
- Magenta (5%)
- Yellow (18%)
- Black (19%)




- Cyan (19%)
- Magenta (24%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9792, 0.3425, 0.3619 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 54.9792, 0.3425, 0.3619 by changing the saturation by 10% instead.





 54.9792, 0.3425,  
0.3619


 54.9792, 0.3425,  
0.3619


405.8331, 0.3280,  
0.3459

 39.3851, 0.3460,  
0.3658

 97.5105, 0.3373,  
0.3562

 27.0594, 0.3504,  
0.3706


 125.2164, 0.3354,  
0.3540

 17.6179, 0.3560,  
0.3770


157.7284, 0.3337,  
0.3522

 10.6760, 0.3637,  
0.3855

195.4309, 0.3323,  
0.3506

 5.8494, 0.3746,  
0.3977

238.7082, 0.3310,  
0.3492

 2.7537, 0.3910,  
0.4162

287.9447, 0.3299,

 1.0045, 0.4731,

0.3480

0.5059

343.5249, 0.3289,  
0.3469

0.0000, 0.0000,  
0.0000

54.9792, 0.3425,  
0.3619

54.9792, 0.3425,  
0.3619

51.6610, 0.3606,  
0.3805

58.5301, 0.3257,  
0.3437

48.5612, 0.3797,  
0.3989

62.3129, 0.3104,  
0.3264

45.6749, 0.3995,  
0.4164

66.3362, 0.2966,  
0.3100

42.9940, 0.4191,  
0.4320

70.6059, 0.2842,  
0.2949

40.5098, 0.4379,  
0.4445

74.0555, 0.2819,  
0.2967

■ 38.2125, 0.4548,  
0.4530

■ 77.3231, 0.2823,  
0.3032

■ 36.0907, 0.4691,  
0.4567

■ 80.7037, 0.2826,  
0.3096

■ 34.1277, 0.4803,  
0.4558

■ 84.1985, 0.2830,  
0.3159

■ 33.8336, 0.4820,  
0.4555

■ 87.8085, 0.2834,  
0.3222

# Harmonies

## Analogous

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



54.9792, 0.3514, 0.3515



54.9792, 0.3425, 0.3619



54.9792, 0.3256, 0.3635

# Triad

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



54.9792, 0.3425, 0.3619



54.9792, 0.2771, 0.3204



54.9792, 0.3189, 0.3049

# Complementary

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



54.9792, 0.3425, 0.3619



45.0015, 0.2833, 0.2938

# 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.



54.9792, 0.2990, 0.2968



54.9792, 0.3425, 0.3619



54.9792, 0.2754, 0.3051

# Square

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



54.9792, 0.3425, 0.3619



54.9792, 0.2881, 0.3389



54.9792, 0.2833, 0.2967



54.9792, 0.3376, 0.3189



# Rectangle

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



54.9792, 0.3425, 0.3619



54.9792, 0.3124, 0.3589



54.9792, 0.2833, 0.2967



54.9792, 0.3121, 0.3014

# Sweetspot

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



54.9817, 0.3425, 0.3619



96.2670, 0.3220, 0.3395



44.3893, 0.3379, 0.3150



20.5199, 0.3230, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

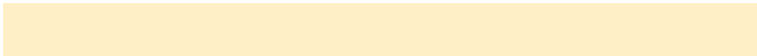


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.9817, 0.3425, 0.3619



86.9954, 0.3493, 0.3690



59.0198, 0.3341, 0.3754



12.5280, 0.3273, 0.3454



21.0108, 0.4809, 0.4564



1.2101, 0.4662, 0.4681



# Inverse Universe

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



45.0015, 0.2833, 0.2938



67.9998, 0.2767, 0.2855



41.6367, 0.2887, 0.2799



11.3629, 0.2983, 0.3120



4.8465, 0.1607, 0.0984

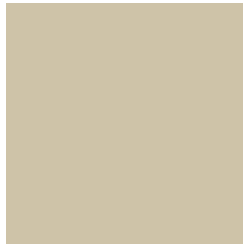


0.3819, 0.1718, 0.1384



# Previews

## White Background



This preview shows how the Yxy color 54.9792, 0.3425, 0.3619 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 54.9792, 0.3425, 0.3619 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

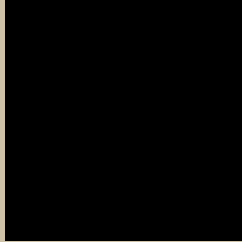
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

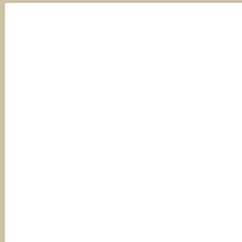
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9792, 0.3425, 0.3619**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9792, 0.3425, 0.3619.

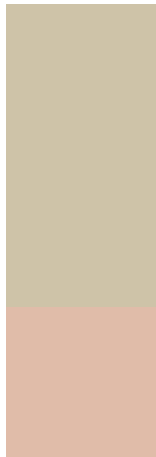


This preview shows how white text looks on a background with the Yxy color 54.9792, 0.3425, 0.3619.

# 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

54.9792, 0.3425, 0.3619

### Protanopia

54.9792, 0.3425, 0.3619

### Deuteranopia

54.6783, 0.3589, 0.3512



## Tritanopia

55.0836, 0.3184, 0.3116

# Trichromacy



## Original Color

54.9792, 0.3425, 0.3619

## Protanomaly

54.9792, 0.3425, 0.3619

## Deuteranomaly

54.8779, 0.3520, 0.3551

## Tritanomaly

55.0604, 0.3266, 0.3290

# Monochromacy



## Original Color

54.9792, 0.3425, 0.3619

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.6751, 0.3235, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9792, 0.3425, 0.3619 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(206, 195, 168)` looks like.

```
.text, #text, p{  
    color:rgb(206, 195, 168)  
}
```

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(206, 195, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 195, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9792, 0.3425, 0.3619 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(206, 195, 168) }
```

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

```
.border{ border-color:rgb(206, 195, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 195, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 195, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 195, 168);  
box-shadow:4px 4px 4px 4px rgb(206, 195,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9792, 0.3425, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 195, 168) }
```

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

```
.background{ background-color: rgb(206,  
195, 168) }
```

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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