

# Converting Colors

$Yxy(43.6398, 0.3855, 0.3831)$

Have a look what the booklet for  
Yxy(43.6398, 0.3855, 0.3831)  
contains.

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# Color

**Yxy(43.5734, 0.3857, 0.3819)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFAA80
RGB	207, 170, 128
RGB Percent	81%, 67%, 50%
CMY	0.1882, 0.3333, 0.4980
CMYK	0.00, 0.18, 0.38, 0.19
HSL	32°, 45%, 66%
HSV	32°, 38%, 81%
XYZ	44.0070, 43.5734, 26.5160
YIQ	176.2750, 35.5340, -5.2180

# Conversions

## Conversions Part 2

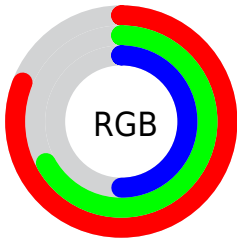
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 207, 128
Decimal	13609600
CIE <sub>Lab</sub>	71.94, 7.75, 26.73
CIE <sub>LCh</sub>	72, 27.830, 73.835
Yxy	43.5734, 0.3857, 0.3819
Android (android.graphics.Color)	4291799680 (0xFFCFAA80)
YUV	176.2750, -23.7996, 26.9458
Hunter-Lab	66.0102, 3.4828, 22.3906

# Details

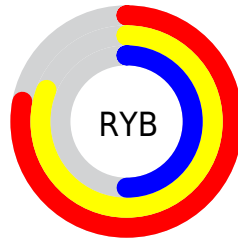
The Yxy color **43.5734, 0.3857, 0.3819** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.0159, 0.2512, 0.2690**, and the grayscale version is **43.6819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4466, 0.3647, 0.3740**, and **20.0862, 0.4066, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **39.5812, 0.4100, 0.3955**, and if you desaturate by 10%, it is **47.9492, 0.3634, 0.3677**.

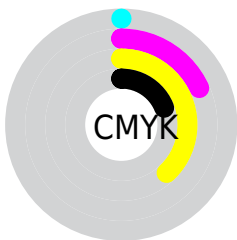
# Distribution



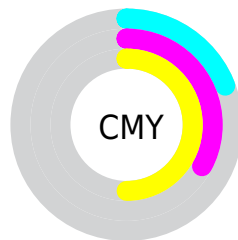
- Red (81%)
- Green (67%)
- Blue (50%)



- Red (78%)
- Yellow (81%)
- Blue (50%)



- Cyan (0%)
- Magenta (18%)
- Yellow (38%)
- Black (19%)



- Cyan (19%)
- Magenta (33%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5734, 0.3857, 0.3819 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 43.5734, 0.3857, 0.3819 by changing the saturation by 10% instead.




 43.5734, 0.3857,  
0.3819


 43.5734, 0.3857,  
0.3819


360.9646, 0.3489,  
0.3561


 30.3353, 0.3949,  
0.3880


 80.5754, 0.3723,  
0.3728

 20.0932, 0.4065,  
0.3955


 105.1081, 0.3673,  
0.3693

 12.4628, 0.4218,  
0.4049


 134.1745, 0.3630,  
0.3663

 7.0597, 0.4425,  
0.4169

168.1588, 0.3594,  
0.3637

 3.4995, 0.4720,  
0.4322

207.4456, 0.3562,  
0.3614

 1.3977, 0.5340,  
0.4660

252.4193, 0.3535,

 0.2150, 0.6466,

0.3595

0.3534

303.4641, 0.3510,  
0.3577

0.0000, 0.0000,  
0.0000

43.5734, 0.3857,  
0.3819

43.5734, 0.3857,  
0.3819

39.5812, 0.4100,  
0.3955

47.9492, 0.3634,  
0.3677

35.9540, 0.4356,  
0.4074

52.7144, 0.3434,  
0.3534

32.6802, 0.4618,  
0.4166


57.8821, 0.3256,  
0.3397

29.7453, 0.4871,  
0.4217

63.4629, 0.3100,  
0.3267


27.1326, 0.5099,  
0.4217

69.4672, 0.2963,  
0.3145

 24.8206, 0.5291,  
0.4165

 75.9046, 0.2843,  
0.3033

 24.4241, 0.5325,  
0.4154

 81.5759, 0.2833,  
0.3110

 87.3737, 0.2839,  
0.3212

 92.0077, 0.2844,  
0.3289

# Harmonies

## Analogous

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



43.5734, 0.3916, 0.3529



43.5734, 0.3857, 0.3819



43.5734, 0.3597, 0.3991

# Triad

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



43.5734, 0.3857, 0.3819



43.5734, 0.2538, 0.3333



43.5734, 0.2994, 0.2714

# Complementary

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



43.5734, 0.3857, 0.3819



36.0159, 0.2512, 0.2690

# 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.



43.5734, 0.2648, 0.2644



43.5734, 0.3857, 0.3819



43.5734, 0.2398, 0.2971

# Square

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



43.5734, 0.3857, 0.3819



43.5734, 0.2834, 0.3713



43.5734, 0.2437, 0.2728



43.5734, 0.3399, 0.2915



# Rectangle

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



43.5734, 0.3857, 0.3819



43.5734, 0.3352, 0.3998



43.5734, 0.2437, 0.2728



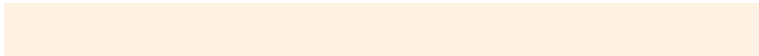
43.5734, 0.2867, 0.2675

# Sweetspot

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



43.5754, 0.3857, 0.3819



90.2227, 0.3307, 0.3437



31.4690, 0.3605, 0.2811



19.0656, 0.3331, 0.3456



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.



43.5754, 0.3857, 0.3819



64.4135, 0.4059, 0.3934



59.2711, 0.3685, 0.4234



12.8336, 0.3277, 0.3414



15.5768, 0.5306, 0.4169



1.0291, 0.5047, 0.4374

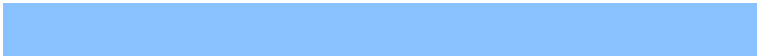


# Inverse Universe

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



36.0159, 0.2512, 0.2690



50.5874, 0.2375, 0.2530



24.6394, 0.2441, 0.2142



12.3179, 0.2982, 0.3163



8.4094, 0.1746, 0.1486



0.6284, 0.1843, 0.1833



# Previews

## White Background



This preview shows how the Yxy color 43.5734, 0.3857, 0.3819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

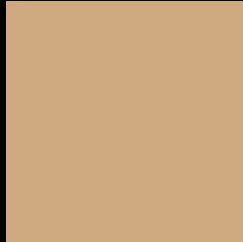
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.5734, 0.3857, 0.3819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

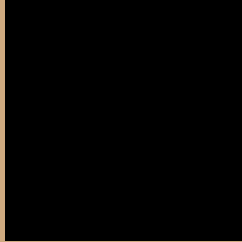
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.5734, 0.3857, 0.3819**

## Background



This preview shows how black text looks on a background with the Yxy color 43.5734, 0.3857, 0.3819.

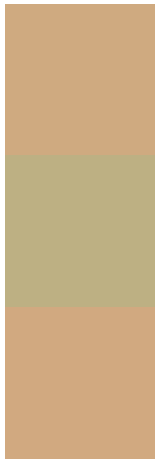


This preview shows how white text looks on a background with the Yxy color 43.5734, 0.3857, 0.3819.

# 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

43.5734, 0.3857, 0.3819

### Protanopia

43.5082, 0.3631, 0.3890

### Deuteranopia

43.4898, 0.3881, 0.3803



## Tritanopia

43.6826, 0.3474, 0.3145

# Trichromacy



## Original Color

43.5734, 0.3857, 0.3819

## Protanomaly

43.6196, 0.3715, 0.3864

## Deuteranomaly

43.3443, 0.3871, 0.3805

## Tritanomaly

43.4773, 0.3611, 0.3378

# Monochromacy



## Original Color

43.5734, 0.3857, 0.3819

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.3401, 0.3373, 0.3490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.5734, 0.3857, 0.3819 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(207, 170, 128)` looks like.

```
.text, #text, p{  
    color:rgb(207, 170, 128)  
}
```

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(207, 170, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 170, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 43.5734, 0.3857, 0.3819 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(207, 170, 128) }
```

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

```
.border{ border-color:rgb(207, 170, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 170, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 170, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 170, 128);  
box-shadow:4px 4px 4px 4px rgb(207, 170,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.5734, 0.3857, 0.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 170, 128) }
```

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

```
.background{ background-color: rgb(207,  
170, 128) }
```

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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