

# Converting Colors

$Yxy(55.2729, 0.3599, 0.4097)$

Have a look what the booklet for  
Yxy(55.2729, 0.3599, 0.4097)  
contains.

<b>Yxy(55.1999, 0.3604, 0.4095)</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(55.1999, 0.3604, 0.4095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7C887
RGB	199, 200, 135
RGB Percent	78%, 78%, 53%
CMY	0.2196, 0.2157, 0.4706
CMYK	0.01, 0.00, 0.32, 0.22
HSL	61°, 37%, 66%
HSV	61°, 32%, 78%
XYZ	48.5813, 55.1999, 31.0171
YIQ	192.2910, 20.2690, -20.4270

# Conversions

## Conversions Part 2

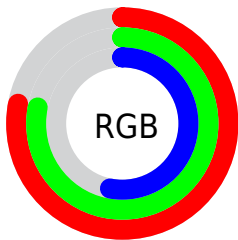
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 200, 136
Decimal	13092999
CIELab	79.16, -10.38, 32.47
CIElCh	79, 34.086, 107.735
Yxy	55.1999, 0.3604, 0.4095
Android (android.graphics.Color)	4291283079 (0xFFC7C887)
YUV	192.2910, -28.2445, 5.8838
Hunter-Lab	74.2966, -13.3010, 27.2555

# Details

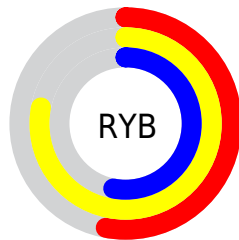
The Yxy color **55.1999, 0.3604, 0.4095** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.7346, 0.2560, 0.2340**, and the grayscale version is **53.0522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **27.1272, 0.3717, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **54.6488, 0.3743, 0.4332**, and if you desaturate by 10%, it is **55.8619, 0.3457, 0.3847**.

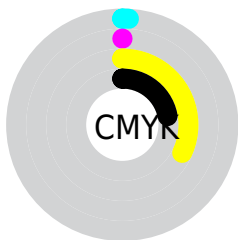
# Distribution



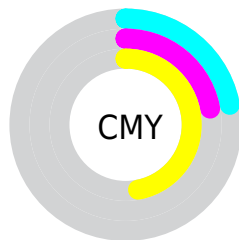
- Red (78%)
- Green (78%)
- Blue (53%)



- Red (53%)
- Yellow (78%)
- Blue (53%)



- Cyan (1%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)




- Cyan (22%)
- Magenta (22%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1999, 0.3604, 0.4095 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 55.1999, 0.3604, 0.4095 by changing the saturation by 10% instead.





 55.1999, 0.3604,  
0.4095

 55.1999, 0.3604,  
0.4095


406.6692, 0.3381,  
0.3699


 39.5618, 0.3654,  
0.4190


 97.8338, 0.3527,  
0.3954

 27.1970, 0.3715,  
0.4310


 125.5983, 0.3497,  
0.3900

 17.7213, 0.3789,  
0.4464


 158.1738, 0.3471,  
0.3854

 10.7501, 0.3880,  
0.4668

195.9447, 0.3448,  
0.3814

 5.8990, 0.3988,  
0.4945

239.2952, 0.3428,  
0.3780

 2.7838, 0.4310,  
0.5611

288.6099, 0.3410,

 1.0199, 0.4104,

0.3750

0.5896

344.2731, 0.3395,  
0.3723

0.0000, 0.0000,  
0.0000

55.1999, 0.3604,  
0.4095

55.1999, 0.3604,  
0.4095

54.6488, 0.3743,  
0.4332

55.8619, 0.3457,  
0.3847

54.1951, 0.3870,  
0.4548

56.6328, 0.3309,  
0.3596

53.8349, 0.3977,  
0.4733


57.5203, 0.3163,  
0.3350


53.5609, 0.4062,  
0.4881


58.5290, 0.3023,  
0.3114

53.3646, 0.4121,  
0.4986


59.6634, 0.2890,  
0.2893


 53.2360, 0.4154,  
0.5048

 60.9275, 0.2768,  
0.2687

 53.1703, 0.4166,  
0.5074

 60.9702, 0.2770,  
0.2687

 61.0130, 0.2772,  
0.2688

 61.0559, 0.2774,  
0.2688

# Harmonies

## Analogous

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



55.1999, 0.3924, 0.3917



55.1999, 0.3604, 0.4095



55.1999, 0.3169, 0.4034

# Triad

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



55.1999, 0.3604, 0.4095



55.1999, 0.2304, 0.2880



55.1999, 0.3491, 0.2906

# Complementary

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



55.1999, 0.3604, 0.4095



26.7346, 0.2560, 0.2340

# 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.



55.1999, 0.3033, 0.2667



55.1999, 0.3604, 0.4095



55.1999, 0.2373, 0.2634

# Square

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



55.1999, 0.3604, 0.4095



55.1999, 0.2432, 0.3278



55.1999, 0.2630, 0.2567



55.1999, 0.3866, 0.3237



# Rectangle

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



55.1999, 0.3604, 0.4095



55.1999, 0.2876, 0.3848



55.1999, 0.2630, 0.2567



55.1999, 0.3340, 0.2814

# Sweetspot

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



55.2024, 0.3604, 0.4095



98.3907, 0.3274, 0.3537



31.3588, 0.3870, 0.3292



21.0149, 0.3295, 0.3573



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.



55.2024, 0.3604, 0.4095



94.8756, 0.3703, 0.4264



51.3305, 0.3337, 0.4171



12.4084, 0.3263, 0.3518



33.8099, 0.4167, 0.5074



1.6036, 0.4173, 0.5069



# Inverse Universe

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



26.7346, 0.2560, 0.2340



38.0226, 0.2413, 0.2096



29.7704, 0.2846, 0.2412



10.2951, 0.2985, 0.3051



2.6677, 0.1506, 0.0603



0.1291, 0.1525, 0.0614



# Previews

## White Background



This preview shows how the Yxy color 55.1999, 0.3604, 0.4095 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 55.1999, 0.3604, 0.4095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

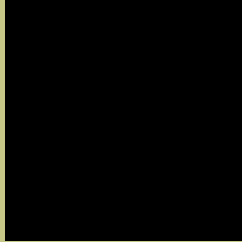
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

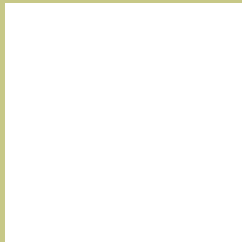
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.1999, 0.3604, 0.4095**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1999, 0.3604, 0.4095.



This preview shows how white text looks on a background with the Yxy color 55.1999, 0.3604, 0.4095.

# 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

55.1999, 0.3604, 0.4095

### Protanopia

55.1704, 0.3747, 0.4044

### Deuteranopia

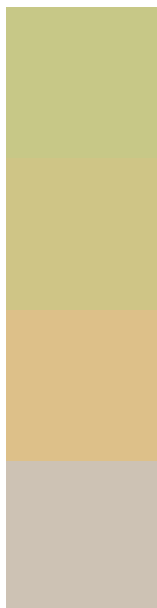
55.1251, 0.3928, 0.3854



## Tritanopia

55.1277, 0.3152, 0.3114

# Trichromacy



## Original Color

55.1999, 0.3604, 0.4095

## Protanomaly

54.9191, 0.3692, 0.4055

## Deuteranomaly

54.8776, 0.3812, 0.3933

## Tritanomaly

54.8580, 0.3324, 0.3460

# Monochromacy



## Original Color

55.1999, 0.3604, 0.4095

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.5726, 0.3309, 0.3590

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1999, 0.3604, 0.4095 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(199, 200, 135)` looks like.

```
.text, #text, p{  
    color:rgb(199, 200, 135)  
}
```

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(199, 200, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 200, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1999, 0.3604, 0.4095 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(199, 200, 135) }
```

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

```
.border{ border-color:rgb(199, 200, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 200, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 200, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 200, 135);  
box-shadow:4px 4px 4px 4px rgb(199, 200,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1999, 0.3604, 0.4095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 200, 135) }
```

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

```
.background{ background-color: rgb(199,  
200, 135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor