

# Converting Colors

$Yxy(55.5750, 0.3402, 0.3862)$

Have a look what the booklet for  
Yxy(55.5750, 0.3402, 0.3862)  
contains.

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# Color

**Yxy(55.4773, 0.3402, 0.3868)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1C99B
RGB	193, 201, 155
RGB Percent	76%, 79%, 61%
CMY	0.2432, 0.2117, 0.3921
CMYK	0.04, 0.00, 0.23, 0.21
HSL	70°, 30%, 70%
HSV	70°, 23%, 79%
XYZ	48.7936, 55.4773, 39.1554
YIQ	193.3640, 9.9980, -16.0020

# Conversions

## Conversions Part 2

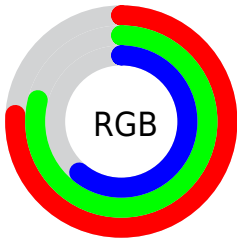
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 201, 163
Decimal	12700059
CIELab	79.32, -10.49, 22.11
CIElCh	79, 24.474, 115.374
Yxy	55.4773, 0.3402, 0.3868
Android (android.graphics.Color)	4290890139 (0xFFC1C99B)
YUV	193.3640, -18.9135, -0.3192
Hunter-Lab	74.4831, -13.4106, 20.9697

# Details

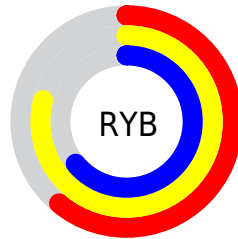
The Yxy color  $55.4773, 0.3402, 0.3868$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $35.4584, 0.2811, 0.2666$ , and the grayscale version is  $53.6636, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.4971, 0.3361, 0.3735$ , and  $27.3559, 0.3464, 0.4019$  is the 20% darker color. If you saturate the color by 10%, you get  $54.4041, 0.3520, 0.4130$ , and if you desaturate by 10%, it is  $56.6788, 0.3281, 0.3609$ .

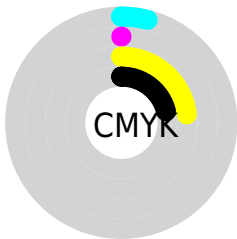
# Distribution



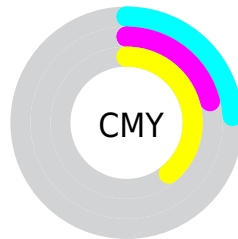
- Red (76%)
- Green (79%)
- Blue (61%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4773, 0.3402, 0.3868 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 55.4773, 0.3402, 0.3868 by changing the saturation by 10% instead.




 55.4773, 0.3402,  
0.3868

 55.4773, 0.3402,  
0.3868


407.7187, 0.3272,  
0.3582

 39.7840, 0.3432,  
0.3938


 98.2399, 0.3357,  
0.3765

 27.3702, 0.3468,  
0.4027


 126.0780, 0.3339,  
0.3726

 17.8514, 0.3515,  
0.4144


158.7332, 0.3324,  
0.3693

 10.8434, 0.3574,  
0.4303

196.5898, 0.3311,  
0.3665

 5.9616, 0.3650,  
0.4532

240.0323, 0.3300,  
0.3640

 2.8218, 0.3753,  
0.4891

289.4450, 0.3290,

 1.0394, 0.4106,

0.3618

0.5894

345.2123, 0.3281,  
0.3599

0.0000, 0.0000,  
0.0000

55.4773, 0.3402,  
0.3868

55.4773, 0.3402,  
0.3868

54.4041, 0.3520,  
0.4130

56.6788, 0.3281,  
0.3609

53.4461, 0.3630,  
0.4388

58.0065, 0.3161,  
0.3359

52.5998, 0.3727,  
0.4629


59.4677, 0.3045,  
0.3124

51.8583, 0.3805,  
0.4845


61.0670, 0.2934,  
0.2905


51.2143, 0.3860,  
0.5025


62.7751, 0.2834,  
0.2709

 50.6591, 0.3890,  
0.5161


 63.2973, 0.2858,  
0.2713

 50.1823, 0.3895,  
0.5252

 63.8308, 0.2883,  
0.2717

 49.8773, 0.3886,  
0.5296

 64.3757, 0.2907,  
0.2721

 64.9321, 0.2932,  
0.2725

# Harmonies

## Analogous

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



55.4773, 0.3657, 0.3793



55.4773, 0.3402, 0.3868



55.4773, 0.3082, 0.3770

# Triad

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



55.4773, 0.3402, 0.3868



55.4773, 0.2523, 0.2943



55.4773, 0.3468, 0.3069

# Complementary

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



55.4773, 0.3402, 0.3868



35.4584, 0.2811, 0.2666

# 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.



55.4773, 0.3147, 0.2868



55.4773, 0.3402, 0.3868



55.4773, 0.2612, 0.2789

# Square

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



55.4773, 0.3402, 0.3868



55.4773, 0.2584, 0.3209



55.4773, 0.2836, 0.2766



55.4773, 0.3701, 0.3327



# Rectangle

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



55.4773, 0.3402, 0.3868



55.4773, 0.2876, 0.3615



55.4773, 0.2836, 0.2766



55.4773, 0.3366, 0.2993

# Sweetspot

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



55.4798, 0.3402, 0.3868



98.3173, 0.3211, 0.3463



40.8688, 0.3571, 0.3390



21.0140, 0.3219, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

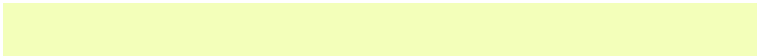


# Same Dimension

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



55.4798, 0.3402, 0.3868



94.1240, 0.3456, 0.3986



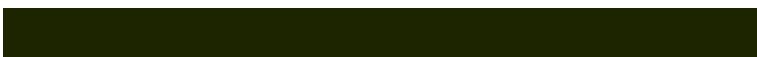
52.7295, 0.3217, 0.3903



12.3198, 0.3239, 0.3520



31.3936, 0.3891, 0.5293



1.5118, 0.3958, 0.5240



# Inverse Universe

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



35.4584, 0.2811, 0.2666



54.4289, 0.2738, 0.2527



38.0661, 0.3013, 0.2702



10.3750, 0.3009, 0.3053



2.9051, 0.1584, 0.0646

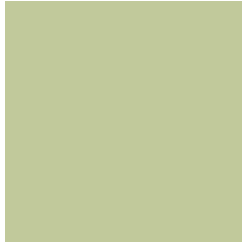


0.1657, 0.1770, 0.0749



# Previews

## White Background



This preview shows how the Yxy color 55.4773, 0.3402, 0.3868 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 55.4773, 0.3402, 0.3868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

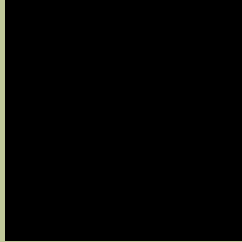
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

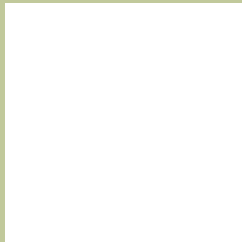
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.4773, 0.3402, 0.3868**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.4773, 0.3402, 0.3868.



This preview shows how white text looks on a background with the Yxy color 55.4773, 0.3402, 0.3868.

# 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

55.4773, 0.3402, 0.3868

### Protanopia

55.3351, 0.3566, 0.3811

### Deuteranopia

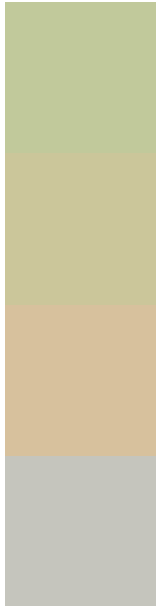
55.3578, 0.3713, 0.3647



## Tritanopia

55.4664, 0.3064, 0.3112

# Trichromacy



**Original Color**

55.4773, 0.3402, 0.3868

**Protanomaly**

55.4178, 0.3501, 0.3831

**Deuteranomaly**

55.0213, 0.3595, 0.3720

**Tritanomaly**

55.4769, 0.3186, 0.3388

# Monochromacy



**Original Color**

55.4773, 0.3402, 0.3868

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.0720, 0.3230, 0.3502

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.4773, 0.3402, 0.3868 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(193, 201, 155)` looks like.

```
.text, #text, p{  
    color:rgb(193, 201, 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(193, 201, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 201, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4773, 0.3402, 0.3868 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(193, 201, 155) }
```

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

```
.border{ border-color:rgb(193, 201, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 201, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 201, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 201, 155);  
box-shadow:4px 4px 4px 4px rgb(193, 201,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4773, 0.3402, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 201, 155) }
```

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

```
.background{ background-color: rgb(193,  
201, 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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