

# Converting Colors

$Yxy(52.5002, 0.3343, 0.3830)$

Have a look what the booklet for  
Yxy(52.5002, 0.3343, 0.3830)  
contains.

<b>Yxy(52.6134, 0.3344, 0.3833)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(52.6134, 0.3344, 0.3833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9C59B
RGB	185, 197, 155
RGB Percent	73%, 77%, 61%
CMY	0.2743, 0.2275, 0.3921
CMYK	0.06, 0.00, 0.21, 0.23
HSL	77°, 27%, 69%
HSV	77°, 21%, 77%
XYZ	45.9012, 52.6134, 38.7497
YIQ	188.6240, 6.3300, -15.6060

# Conversions

## Conversions Part 2

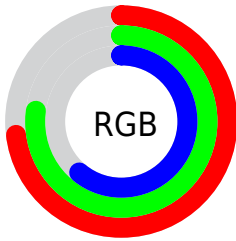
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 197, 167
Decimal	12174747
CIELab	77.65, -11.37, 19.73
CIELCh	78, 22.767, 119.947
Yxy	52.6134, 0.3344, 0.3833
Android (android.graphics.Color)	4290364827 (0xFFB9C59B)
YUV	188.6240, -16.5766, -3.1782
Hunter-Lab	72.5351, -13.9792, 19.1007

# Details

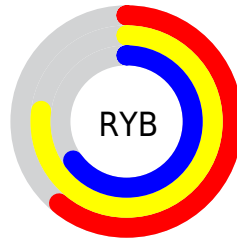
The Yxy color **52.6134, 0.3344, 0.3833** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.6852, 0.2877, 0.2721**, and the grayscale version is **50.7630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2375, 0.3303, 0.3734**, and **25.5499, 0.3398, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **51.3240, 0.3443, 0.4104**, and if you desaturate by 10%, it is **54.0428, 0.3242, 0.3570**.

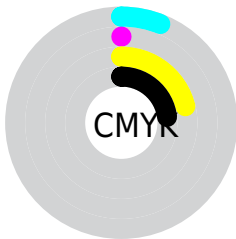
# Distribution



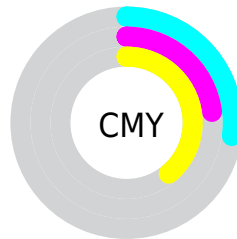
- Red (73%)
- Green (77%)
- Blue (61%)



- Red (61%)
- Yellow (77%)
- Blue (65%)



- Cyan (6%)
- Magenta (0%)
- Yellow (21%)
- Black (23%)




- Cyan (27%)
- Magenta (23%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6134, 0.3344, 0.3833 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 52.6134, 0.3344, 0.3833 by changing the saturation by 10% instead.




 52.6134, 0.3344,  
0.3833


 52.6134, 0.3344,  
0.3833


396.8001, 0.3241,  
0.3561

 37.4942, 0.3368,  
0.3901


 94.0352, 0.3308,  
0.3734

 25.5904, 0.3397,  
0.3987


 121.1067, 0.3294,  
0.3697

 16.5175, 0.3434,  
0.4102


152.9311, 0.3282,  
0.3666

 9.8911, 0.3481,  
0.4260

189.8927, 0.3272,  
0.3639

 5.3268, 0.3542,  
0.4493

232.3761, 0.3263,  
0.3616

 2.4402, 0.3629,  
0.4877

280.7655, 0.3255,

 0.8465, 0.3837,

0.3595

0.6163

335.4454, 0.3248,  
0.3577

0.0000, 0.0000,  
0.0000

52.6134, 0.3344,  
0.3833

52.6134, 0.3344,  
0.3833

51.3240, 0.3443,  
0.4104

54.0428, 0.3242,  
0.3570

50.1621, 0.3535,  
0.4376

55.6105, 0.3140,  
0.3321

49.1241, 0.3614,  
0.4638

57.3237, 0.3042,  
0.3090

48.2034, 0.3676,  
0.4880

59.1869, 0.2947,  
0.2877

47.3929, 0.3716,  
0.5089

61.2046, 0.2859,  
0.2683

■ 46.6841, 0.3731,  
0.5256

■ 62.1525, 0.2889,  
0.2675

■ 46.0675, 0.3722,  
0.5375

■ 63.0336, 0.2929,  
0.2682

■ 45.5907, 0.3697,  
0.5446

■ 63.9442, 0.2969,  
0.2689

■ 64.8845, 0.3010,  
0.2697

# Harmonies

## Analogous

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



52.6134, 0.3600, 0.3787



52.6134, 0.3344, 0.3833



52.6134, 0.3038, 0.3715

# Triad

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



52.6134, 0.3344, 0.3833



52.6134, 0.2557, 0.2932



52.6134, 0.3491, 0.3115

# Complementary

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



52.6134, 0.3344, 0.3833



35.6852, 0.2877, 0.2721

# 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.



52.6134, 0.3194, 0.2913



52.6134, 0.3344, 0.3833



52.6134, 0.2664, 0.2803

# Square

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



52.6134, 0.3344, 0.3833



52.6134, 0.2594, 0.3171



52.6134, 0.2892, 0.2800



52.6134, 0.3691, 0.3365



# Rectangle

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



52.6134, 0.3344, 0.3833



52.6134, 0.2848, 0.3557



52.6134, 0.2892, 0.2800



52.6134, 0.3399, 0.3040

# Sweetspot

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



52.6157, 0.3344, 0.3833



98.2381, 0.3189, 0.3438



41.8376, 0.3520, 0.3446



20.9872, 0.3195, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

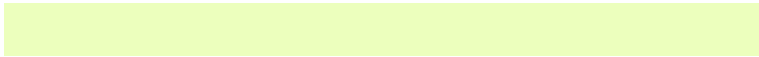


# Same Dimension

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



52.6157, 0.3344, 0.3833



93.0412, 0.3395, 0.3970



50.1977, 0.3172, 0.3863



12.2597, 0.3222, 0.3521



30.0351, 0.3704, 0.5441



1.4575, 0.3810, 0.5357



# Inverse Universe

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



35.6852, 0.2877, 0.2721



56.8297, 0.2806, 0.2569



38.1541, 0.3067, 0.2753



10.4310, 0.3026, 0.3054



3.2412, 0.1691, 0.0705



0.1910, 0.1925, 0.0834



# Previews

## White Background



This preview shows how the Yxy color 52.6134, 0.3344, 0.3833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

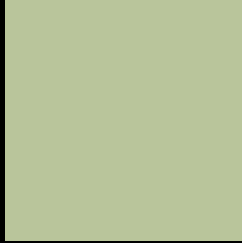
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.6134, 0.3344, 0.3833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

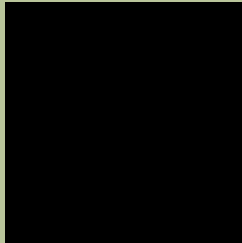
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

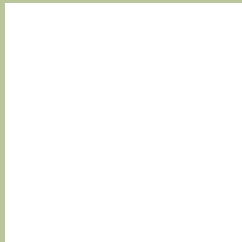
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.6134, 0.3344, 0.3833**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6134, 0.3344, 0.3833.



This preview shows how white text looks on a background with the Yxy color 52.6134, 0.3344, 0.3833.

# 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

52.6134, 0.3344, 0.3833

### Protanopia

52.3660, 0.3545, 0.3773

### Deuteranopia

52.2792, 0.3677, 0.3597



## Tritanopia

52.4412, 0.3032, 0.3107

# Trichromacy



## Original Color

52.6134, 0.3344, 0.3833

## Protanomaly

52.3102, 0.3470, 0.3794

## Deuteranomaly

52.3848, 0.3554, 0.3681

## Tritanomaly

52.5466, 0.3140, 0.3365

# Monochromacy



## Original Color

52.6134, 0.3344, 0.3833

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.5650, 0.3208, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6134, 0.3344, 0.3833 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(185, 197, 155)` looks like.

```
.text, #text, p{  
    color:rgb(185, 197, 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(185, 197, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 197, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6134, 0.3344, 0.3833 is called "border". The border property can be set on classes, ids or directly on the HTML element.

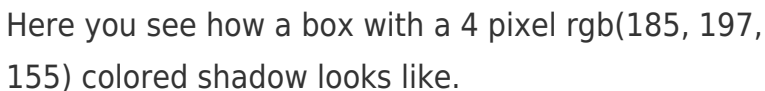
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 197, 155) }
```

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

```
.border{ border-color:rgb(185, 197, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 197, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 197, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 197, 155);  
box-shadow:4px 4px 4px 4px rgb(185, 197,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6134, 0.3344, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 197, 155) }
```

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

```
.background{ background-color: rgb(185,  
197, 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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