

# Converting Colors

$Y_{xy}(52.3775, 0.3369, 0.3961)$

Have a look what the booklet for  
Yxy(52.3775, 0.3369, 0.3961)  
contains.

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# Color

**Yxy(52.3185, 0.3368, 0.3958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5C693
RGB	181, 198, 147
RGB Percent	71%, 78%, 58%
CMY	0.2901, 0.2235, 0.4236
CMYK	0.09, 0.00, 0.26, 0.22
HSL	80°, 31%, 68%
HSV	80°, 26%, 78%
XYZ	44.5196, 52.3185, 35.3461
YIQ	187.1030, 6.2390, -19.4650

# Conversions

## Conversions Part 2

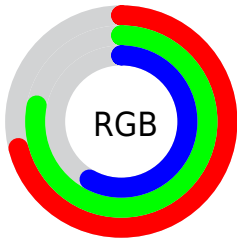
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 198, 164
Decimal	11912851
CIELab	77.47, -14.59, 23.70
CIELCh	77, 27.831, 121.606
Yxy	52.3185, 0.3368, 0.3958
Android (android.graphics.Color)	4290102931 (0xFFB5C693)
YUV	187.1030, -19.7708, -5.3523
Hunter-Lab	72.3315, -16.7145, 21.6590

# Details

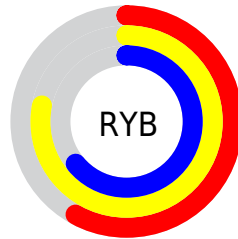
The Yxy color  $52.3185, 0.3368, 0.3958$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $32.8251, 0.2837, 0.2592$ , and the grayscale version is  $49.8686, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $93.7416, 0.3328, 0.3841$ , and  $25.3802, 0.3428, 0.4145$  is the 20% darker color. If you saturate the color by 10%, you get  $50.9742, 0.3456, 0.4235$ , and if you desaturate by 10%, it is  $53.8121, 0.3275, 0.3688$ .

# Distribution



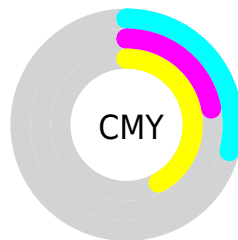
- Red (71%)
- Green (78%)
- Blue (58%)



- Red (58%)
- Yellow (78%)
- Blue (64%)



- Cyan (9%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)




- Cyan (29%)
- Magenta (22%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3185, 0.3368, 0.3958 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 52.3185, 0.3368, 0.3958 by changing the saturation by 10% instead.





 52.3185, 0.3368,  
0.3958


 52.3185, 0.3368,  
0.3958

395.6650, 0.3256,  
0.3622

 37.2590, 0.3393,  
0.4042


 93.6008, 0.3329,  
0.3836

 25.4081, 0.3424,  
0.4149


 120.5924, 0.3314,  
0.3790

 16.3814, 0.3461,  
0.4292


152.3301, 0.3301,  
0.3751

 9.7944, 0.3507,  
0.4489


189.1984, 0.3290,  
0.3718

 5.2629, 0.3560,  
0.4777

231.5816, 0.3280,  
0.3689

 2.4023, 0.3678,  
0.5327

279.8642, 0.3271,

 0.8271, 0.3421,

0.3664

0.6579

334.4305, 0.3263,  
0.3642

0.0000, 0.0000,  
0.0000

52.3185, 0.3368,  
0.3958

52.3185, 0.3368,  
0.3958

50.9742, 0.3456,  
0.4235

53.8121, 0.3275,  
0.3688

49.7662, 0.3534,  
0.4511

55.4536, 0.3181,  
0.3431

48.6903, 0.3598,  
0.4774

57.2505, 0.3088,  
0.3191

47.7395, 0.3642,  
0.5012

59.2080, 0.2999,  
0.2970

46.9057, 0.3663,  
0.5213

61.3305, 0.2914,  
0.2769

■ 46.1798, 0.3659,  
0.5368

■ 62.9091, 0.2903,  
0.2688

■ 45.5505, 0.3632,  
0.5474

■ 63.9606, 0.2950,  
0.2697

■ 45.3041, 0.3616,  
0.5511

■ 65.0531, 0.2997,  
0.2705

■ 66.1870, 0.3045,  
0.2713

# Harmonies

## Analogous

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



52.3185, 0.3689, 0.3904



52.3185, 0.3368, 0.3958



52.3185, 0.2995, 0.3803

# Triad

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



52.3185, 0.3368, 0.3958



52.3185, 0.2440, 0.2838



52.3185, 0.3590, 0.3092

# Complementary

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



52.3185, 0.3368, 0.3958



32.8251, 0.2837, 0.2592

# 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.



52.3185, 0.3228, 0.2846



52.3185, 0.3368, 0.3958



52.3185, 0.2576, 0.2694

# Square

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



52.3185, 0.3368, 0.3958



52.3185, 0.2473, 0.3121



52.3185, 0.2857, 0.2702



52.3185, 0.3828, 0.3393



# Rectangle

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



52.3185, 0.3368, 0.3958



52.3185, 0.2768, 0.3601



52.3185, 0.2857, 0.2702



52.3185, 0.3478, 0.3001

# Sweetspot

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



52.3208, 0.3368, 0.3958



97.4906, 0.3203, 0.3490



40.3539, 0.3617, 0.3502



20.7703, 0.3217, 0.3528



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.



52.3208, 0.3368, 0.3958



91.2618, 0.3419, 0.4116



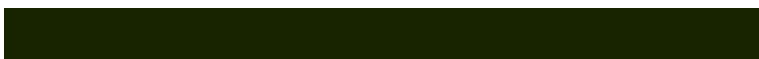
49.5949, 0.3166, 0.4002



12.2335, 0.3215, 0.3522



29.5109, 0.3624, 0.5505



1.4357, 0.3746, 0.5408



# Inverse Universe

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



32.8251, 0.2837, 0.2592



50.8421, 0.2759, 0.2419



35.7114, 0.3067, 0.2638



10.4560, 0.3034, 0.3055



3.4439, 0.1753, 0.0739

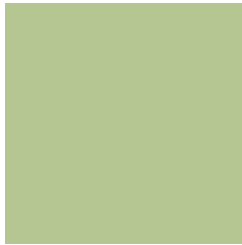


0.2028, 0.1993, 0.0872



# Previews

## White Background



This preview shows how the Yxy color 52.3185, 0.3368, 0.3958 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 52.3185, 0.3368, 0.3958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

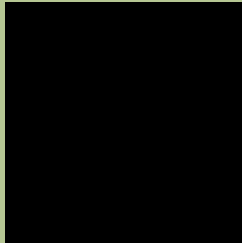
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

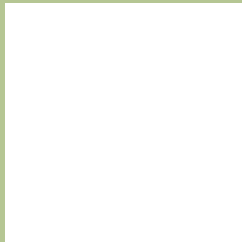
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.3185, 0.3368, 0.3958**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3185, 0.3368, 0.3958.



This preview shows how white text looks on a background with the Yxy color 52.3185, 0.3368, 0.3958.

# 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

52.3185, 0.3368, 0.3958

### Protanopia

52.2544, 0.3618, 0.3871

### Deuteranopia

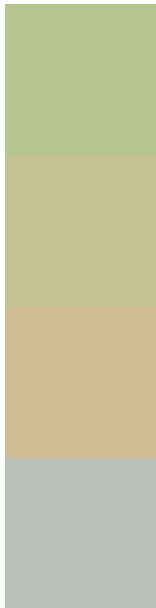
51.7570, 0.3758, 0.3679



## Tritanopia

52.0535, 0.3008, 0.3105

# Trichromacy



**Original Color**

52.3185, 0.3368, 0.3958

**Protanomaly**

52.3637, 0.3522, 0.3909

**Deuteranomaly**

51.5463, 0.3614, 0.3770

**Tritanomaly**

52.0397, 0.3138, 0.3404

# Monochromacy



**Original Color**

52.3185, 0.3368, 0.3958

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.5544, 0.3223, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3185, 0.3368, 0.3958 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(181, 198, 147)` looks like.

```
.text, #text, p{  
    color:rgb(181, 198, 147)  
}
```

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(181, 198, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 198, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3185, 0.3368, 0.3958 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(181, 198, 147) }
```

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

```
.border{ border-color:rgb(181, 198, 147) }
```

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

Here you see how a box with a 4 pixel rgb(181, 198, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 198, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 198, 147);  
box-shadow:4px 4px 4px 4px rgb(181, 198,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3185, 0.3368, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 198, 147) }
```

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

```
.background{ background-color: rgb(181,  
198, 147) }
```

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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