

# Converting Colors

$Yxy(52.4162, 0.3385, 0.3972)$

Have a look what the booklet for  
Yxy(52.4162, 0.3385, 0.3972)  
contains.

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# Color

**Yxy(52.4086, 0.3383, 0.3969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6C692
RGB	182, 198, 146
RGB Percent	71%, 78%, 57%
CMY	0.2864, 0.2235, 0.4273
CMYK	0.08, 0.00, 0.26, 0.22
HSL	79°, 31%, 67%
HSV	79°, 26%, 78%
XYZ	44.6708, 52.4086, 34.9655
YIQ	187.2880, 7.1560, -19.5640

# Conversions

## Conversions Part 2

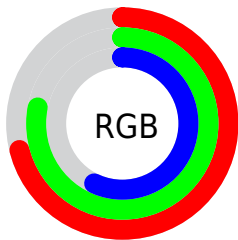
Format	Color
<a href="#">RYB</a>	<a href="#">146, 198, 162</a>
Decimal	<a href="#">11978386</a>
CIELab	<a href="#">77.52, -14.38, 24.29</a>
CIELCh	<a href="#">78, 28.227, 120.622</a>
Yxy	<a href="#">52.4086, 0.3383, 0.3969</a>
Android (android.graphics.Color)	<a href="#">4290168466</a> ( <a href="#">0xFFB6C692</a> )
YUV	<a href="#">187.2880, -20.3550, -4.6376</a>
Hunter-Lab	<a href="#">72.3938, -16.5452, 22.0392</a>

# Details

The Yxy color **52.4086, 0.3383, 0.3969** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.3313, 0.2819, 0.2576**, and the grayscale version is **49.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8673, 0.3341, 0.3850**, and **25.4399, 0.3449, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **51.1195, 0.3475, 0.4244**, and if you desaturate by 10%, it is **53.8415, 0.3286, 0.3700**.

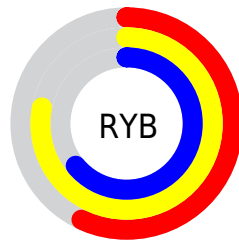
# Distribution



Red (71%)

Green (78%)

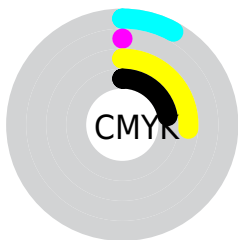
Blue (57%)



Red (57%)

Yellow (78%)

Blue (64%)

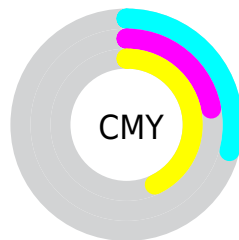


Cyan (8%)

Magenta (0%)

Yellow (26%)

Black (22%)



Cyan (29%)

Magenta (22%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4086, 0.3383, 0.3969 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 52.4086, 0.3383, 0.3969 by changing the saturation by 10% instead.





 52.4086, 0.3383,  
0.3969


 52.4086, 0.3383,  
0.3969

396.0120, 0.3264,  
0.3628

 37.3309, 0.3410,  
0.4054


 93.7336, 0.3342,  
0.3845

 25.4638, 0.3442,  
0.4163


 120.7496, 0.3326,  
0.3798

 16.4229, 0.3482,  
0.4307


152.5138, 0.3312,  
0.3759

 9.8239, 0.3531,  
0.4506

189.4106, 0.3300,  
0.3725

 5.2824, 0.3589,  
0.4796

231.8245, 0.3289,  
0.3696

 2.4139, 0.3720,  
0.5360

280.1397, 0.3280,

 0.8330, 0.3460,

0.3670

0.6540

334.7408, 0.3271,  
0.3648

0.0000, 0.0000,  
0.0000

52.4086, 0.3383,  
0.3969

52.4086, 0.3383,  
0.3969

51.1195, 0.3475,  
0.4244

53.8415, 0.3286,  
0.3700

49.9614, 0.3557,  
0.4516

55.4167, 0.3188,  
0.3443

48.9301, 0.3624,  
0.4774

57.1418, 0.3091,  
0.3202

48.0187, 0.3671,  
0.5006


59.0217, 0.2998,  
0.2980

47.2191, 0.3695,  
0.5200

61.0609, 0.2910,  
0.2777

 46.5224, 0.3694,  
0.5348


 62.6144, 0.2889,  
0.2686

 45.9168, 0.3669,  
0.5448

 63.5771, 0.2933,  
0.2694

 45.7052, 0.3656,  
0.5479

 64.5749, 0.2976,  
0.2701

 65.6081, 0.3021,  
0.2709

# Harmonies

## Analogous

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



52.4086, 0.3705, 0.3907



52.4086, 0.3383, 0.3969



52.4086, 0.3005, 0.3819

# Triad

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



52.4086, 0.3383, 0.3969



52.4086, 0.2429, 0.2839



52.4086, 0.3586, 0.3080

# Complementary

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



52.4086, 0.3383, 0.3969



32.3313, 0.2819, 0.2576

# 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.



52.4086, 0.3217, 0.2833



52.4086, 0.3383, 0.3969



52.4086, 0.2561, 0.2689

# Square

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



52.4086, 0.3383, 0.3969



52.4086, 0.2468, 0.3129



52.4086, 0.2842, 0.2692



52.4086, 0.3833, 0.3383



# Rectangle

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



52.4086, 0.3383, 0.3969



52.4086, 0.2773, 0.3617



52.4086, 0.2842, 0.2692



52.4086, 0.3471, 0.2989

# Sweetspot

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



52.4109, 0.3383, 0.3969



97.5810, 0.3206, 0.3489



39.7907, 0.3631, 0.3496



20.7932, 0.3221, 0.3528



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

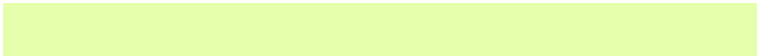


# Same Dimension

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



52.4109, 0.3383, 0.3969



91.3473, 0.3441, 0.4140



49.5791, 0.3173, 0.4016



12.2466, 0.3219, 0.3522



29.7667, 0.3663, 0.5473



1.4464, 0.3778, 0.5383



# Inverse Universe

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



32.3313, 0.2819, 0.2576



49.3443, 0.2730, 0.2384



35.2858, 0.3058, 0.2624



10.4435, 0.3030, 0.3055



3.3384, 0.1721, 0.0722



0.1968, 0.1959, 0.0853



# Previews

## White Background



This preview shows how the Yxy color 52.4086, 0.3383, 0.3969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

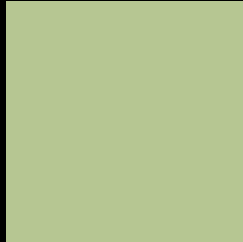
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.4086, 0.3383, 0.3969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

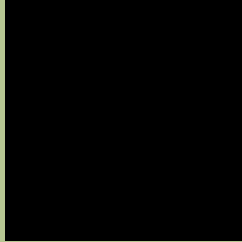
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

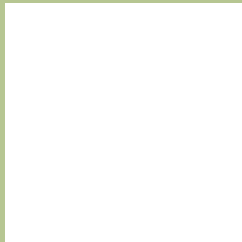
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.4086, 0.3383, 0.3969**

## Background



This preview shows how black text looks on a background with the Yxy color 52.4086, 0.3383, 0.3969.



This preview shows how white text looks on a background with the Yxy color 52.4086, 0.3383, 0.3969.

# 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

52.4086, 0.3383, 0.3969

### Protanopia

52.2239, 0.3626, 0.3883

### Deuteranopia

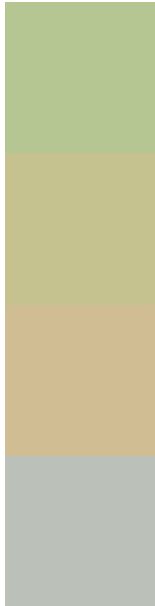
52.2982, 0.3772, 0.3701



## Tritanopia

52.1818, 0.3016, 0.3106

# Trichromacy



## Original Color

52.4086, 0.3383, 0.3969

## Protanomaly

52.4675, 0.3538, 0.3920

## Deuteranomaly

52.0886, 0.3628, 0.3792

## Tritanomaly

52.1654, 0.3146, 0.3404

# Monochromacy



## Original Color

52.4086, 0.3383, 0.3969

## 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 52.4086, 0.3383, 0.3969 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(182, 198, 146)` looks like.

```
.text, #text, p{  
    color:rgb(182, 198, 146)  
}
```

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(182, 198, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 198, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 52.4086, 0.3383, 0.3969 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(182, 198, 146) }
```

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

```
.border{ border-color:rgb(182, 198, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 198, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 198, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 198, 146);  
box-shadow:4px 4px 4px 4px rgb(182, 198,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.4086, 0.3383, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 198, 146) }
```

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

```
.background{ background-color: rgb(182,  
198, 146) }
```

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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