

Converting Colors

$Y_{xy}(49.1213, 0.3445, 0.3809)$

Have a look what the booklet for
Yxy(49.1213, 0.3445, 0.3809)
contains.

Yxy(48.9552, 0.3444, 0.3798)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9552, 0.3444, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	BDBC95
RGB	189, 188, 149
RGB Percent	74%, 74%, 58%
CMY	0.2589, 0.2627, 0.4156
CMYK	0.00, 0.01, 0.21, 0.26
HSL	59°, 23%, 66%
HSV	59°, 21%, 74%
XYZ	44.3922, 48.9552, 35.5499
YIQ	183.8530, 13.1150, -11.9170

Conversions

Conversions Part 2

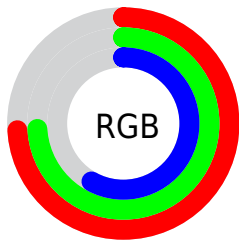
Format	Color
R _{YB}	150, 189, 149
Decimal	12434581
CIE Lab	75.42, -6.13, 19.91
CIE LCh	75, 20.832, 107.116
Yxy	48.9552, 0.3444, 0.3798
Android (android.graphics.Color)	4290624661 (0xFFBDBC95)
YUV	183.8530, -17.1825, 4.5139
Hunter-Lab	69.9680, -9.1920, 18.8531

Details

The Yxy color **48.9552, 0.3444, 0.3798** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.8748, 0.2778, 0.2726**, and the grayscale version is **47.9391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6060, 0.3394, 0.3706**, and **23.3607, 0.3525, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **48.2051, 0.3596, 0.4040**, and if you desaturate by 10%, it is **49.8082, 0.3292, 0.3555**.

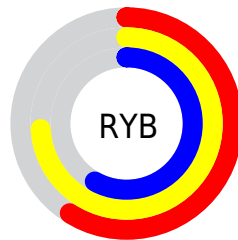
Distribution



Red (74%)

Green (74%)

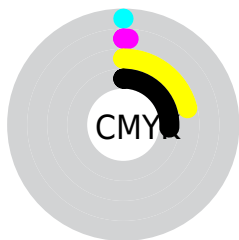
Blue (58%)



Red (59%)

Yellow (74%)

Blue (58%)

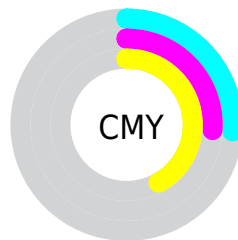


Cyan (0%)

Magenta (1%)

Yellow (21%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9552, 0.3444, 0.3798 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 48.9552, 0.3444, 0.3798 by changing the saturation by 10% instead.


 48.9552, 0.3444,
0.3798


 48.9552, 0.3444,
0.3798

382.5659, 0.3289,
0.3543

 34.5839, 0.3481,
0.3861


 88.6249, 0.3389,
0.3705

 23.3426, 0.3528,
0.3943


 114.6922, 0.3368,
0.3671

 14.8467, 0.3588,
0.4050


145.4269, 0.3350,
0.3641

 8.7118, 0.3669,
0.4199

181.2134, 0.3334,
0.3616

 4.5537, 0.3780,
0.4416

222.4362, 0.3321,
0.3594

 1.9879, 0.4011,
0.4849

269.4796, 0.3309,

 0.6004, 0.4122,

0.3575

0.5878

322.7281, 0.3299,
0.3558

0.0000, 0.0000,
0.0000

48.9552, 0.3444,
0.3798

48.9552, 0.3444,
0.3798

48.2051, 0.3596,
0.4040

49.8082, 0.3292,
0.3555

47.5467, 0.3743,
0.4273

50.7621, 0.3144,
0.3317

46.9770, 0.3879,
0.4486

51.8230, 0.3003,
0.3089

46.4906, 0.3998,
0.4671

52.9950, 0.2871,
0.2876

46.0810, 0.4095,
0.4819

54.2817, 0.2748,
0.2677

■ 45.7412, 0.4167,
0.4926

■ 55.2003, 0.2679,
0.2567

■ 45.4628, 0.4213,
0.4989

■ 55.4014, 0.2680,
0.2572

■ 45.2529, 0.4236,
0.5018

■ 55.6032, 0.2680,
0.2578

■ 55.8056, 0.2681,
0.2583

Harmonies

Analogous

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



48.9552, 0.3640, 0.3698



48.9552, 0.3444, 0.3798



48.9552, 0.3168, 0.3752

Triad

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



48.9552, 0.3444, 0.3798



48.9552, 0.2590, 0.3041



48.9552, 0.3356, 0.3037

Complementary

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



48.9552, 0.3444, 0.3798



31.8748, 0.2778, 0.2726

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.



48.9552, 0.3065, 0.2878



48.9552, 0.3444, 0.3798



48.9552, 0.2633, 0.2871

Square

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



48.9552, 0.3444, 0.3798



48.9552, 0.2681, 0.3295



48.9552, 0.2803, 0.2816



48.9552, 0.3591, 0.3259

Rectangle

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



48.9552, 0.3444, 0.3798



48.9552, 0.2978, 0.3639



48.9552, 0.2803, 0.2816



48.9552, 0.3261, 0.2975

Sweetspot

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



48.9574, 0.3444, 0.3798



90.0635, 0.3216, 0.3433



34.5304, 0.3532, 0.3273



19.3439, 0.3226, 0.3449



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



48.9574, 0.3444, 0.3798



87.1055, 0.3509, 0.3902



47.1419, 0.3279, 0.3838



11.0795, 0.3265, 0.3511



30.4707, 0.4236, 0.5019



1.2063, 0.4225, 0.5028

Inverse Universe

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



31.8748, 0.2778, 0.2726



51.4583, 0.2698, 0.2595



33.4622, 0.2948, 0.2739



9.2617, 0.2984, 0.3059



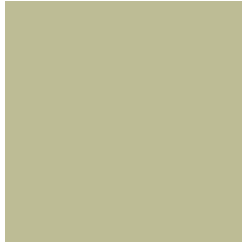
2.5558, 0.1505, 0.0618



0.1130, 0.1525, 0.0689

Previews

White Background



This preview shows how the Yxy color 48.9552, 0.3444, 0.3798 looks on a white background.

Color Contrast Check

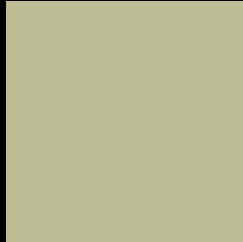
Large Text (above 18pt) WCAG AA × Fail

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 48.9552, 0.3444, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

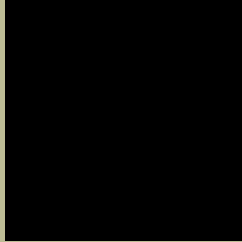
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

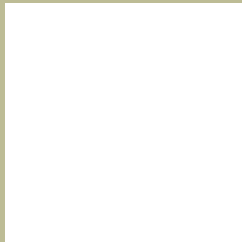
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9552, 0.3444, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 48.9552, 0.3444, 0.3798.



This preview shows how white text looks on a background with the Yxy color 48.9552, 0.3444, 0.3798.

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

48.9552, 0.3444, 0.3798

Protanopia

48.7064, 0.3532, 0.3763

Deuteranopia

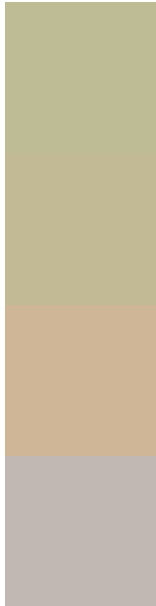
48.6741, 0.3703, 0.3618



Tritanopia

49.0435, 0.3127, 0.3117

Trichromacy



Original Color

48.9552, 0.3444, 0.3798

Protanomaly

48.7253, 0.3502, 0.3780

Deuteranomaly

48.7797, 0.3607, 0.3689

Tritanomaly

48.8731, 0.3244, 0.3354

Monochromacy



Original Color

48.9552, 0.3444, 0.3798

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.0773, 0.3246, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9552, 0.3444, 0.3798 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(189, 188, 149)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 149)  
}
```

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(189, 188, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 149) }
```

Border

The CSS property to change the border of an element to Yxy 48.9552, 0.3444, 0.3798 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(189, 188, 149) }
```

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

```
.border{ border-color:rgb(189, 188, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 149);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9552, 0.3444, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 149) }
```

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

```
.background{ background-color: rgb(189,  
188, 149) }
```

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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