

Converting Colors

$Y_{xy}(49.4704, 0.3501, 0.4051)$

Have a look what the booklet for
Yxy(49.4704, 0.3501, 0.4051)
contains.

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Color

Yxy(49.4878, 0.3498, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	B7C086
RGB	183, 192, 134
RGB Percent	72%, 75%, 53%
CMY	0.2823, 0.2470, 0.4746
CMYK	0.05, 0.00, 0.30, 0.25
HSL	69°, 32%, 64%
HSV	69°, 30%, 75%
XYZ	42.6796, 49.4878, 29.8440
YIQ	182.6970, 13.2540, -19.9460

Conversions

Conversions Part 2

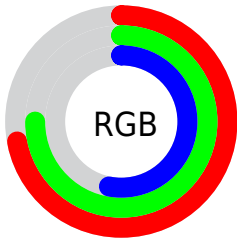
Format	Color
RYB	134, 192, 143
Decimal	12042374
CIELab	75.75, -12.61, 28.28
CIElCh	76, 30.964, 114.031
Yxy	49.4878, 0.3498, 0.4056
Android (android.graphics.Color)	4290232454 (0xFFB7C086)
YUV	182.6970, -24.0076, 0.2657
Hunter-Lab	70.3476, -14.8131, 24.0903

Details

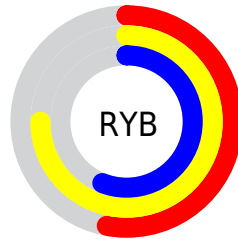
The Yxy color $49.4878, 0.3498, 0.4056$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $26.6840, 0.2681, 0.2436$, and the grayscale version is $47.3075, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.2909, 0.3438, 0.3907$, and $23.7725, 0.3578, 0.4277$ is the 20% darker color. If you saturate the color by 10%, you get $48.6407, 0.3614, 0.4312$, and if you desaturate by 10%, it is $50.4443, 0.3376, 0.3796$.

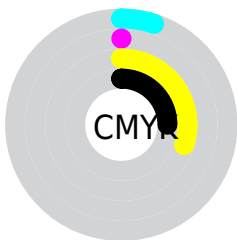
Distribution



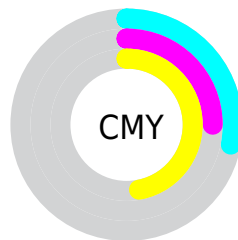
- Red (72%)
- Green (75%)
- Blue (53%)



- Red (53%)
- Yellow (75%)
- Blue (56%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)





- Cyan (28%)
- Magenta (25%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4878, 0.3498, 0.4056 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 49.4878, 0.3498, 0.4056 by changing the saturation by 10% instead.


 49.4878, 0.3498,
0.4056


 49.4878, 0.3498,
0.4056


384.6595, 0.3322,
0.3670

 35.0066, 0.3538,
0.4152


 89.4155, 0.3437,
0.3915

 23.6680, 0.3587,
0.4276


 115.6308, 0.3413,
0.3863

 15.0875, 0.3647,
0.4439


 146.5263, 0.3392,
0.3818

 8.8808, 0.3721,
0.4661

182.4862, 0.3375,
0.3780

 4.6635, 0.3806,
0.4980

223.8952, 0.3359,
0.3747

 2.0512, 0.4156,
0.5844

271.1374, 0.3345,

 0.6370, 0.3184,

0.3718

0.6816

324.5974, 0.3333,
0.3692

0.0000, 0.0000,
0.0000

49.4878, 0.3498,
0.4056

49.4878, 0.3498,
0.4056

48.6407, 0.3614,
0.4312

50.4443, 0.3376,
0.3796

47.8911, 0.3718,
0.4556

51.5085, 0.3252,
0.3541

47.2353, 0.3805,
0.4776


52.6872, 0.3130,
0.3295


46.6669, 0.3871,
0.4962


53.9848, 0.3012,
0.3065

46.1786, 0.3912,
0.5107


55.4052, 0.2901,
0.2851

 45.7616, 0.3926,
0.5207

 56.9525, 0.2798,
0.2654

 45.4065, 0.3921,
0.5268

 57.7388, 0.2782,
0.2601

 58.1634, 0.2803,
0.2605

 58.5960, 0.2824,
0.2609

Harmonies

Analogous

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



49.4878, 0.3830, 0.3933



49.4878, 0.3498, 0.4056



49.4878, 0.3080, 0.3944

Triad

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



49.4878, 0.3498, 0.4056



49.4878, 0.2346, 0.2843



49.4878, 0.3556, 0.2988

Complementary

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



49.4878, 0.3498, 0.4056



26.6840, 0.2681, 0.2436

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.



49.4878, 0.3129, 0.2738



49.4878, 0.3498, 0.4056



49.4878, 0.2451, 0.2643

Square

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



49.4878, 0.3498, 0.4056



49.4878, 0.2430, 0.3194



49.4878, 0.2728, 0.2613



49.4878, 0.3874, 0.3313

Rectangle

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



49.4878, 0.3498, 0.4056



49.4878, 0.2811, 0.3740



49.4878, 0.2728, 0.2613



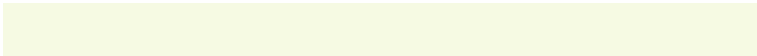
49.4878, 0.3419, 0.2893

Sweetspot

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



49.4900, 0.3498, 0.4056



93.5450, 0.3239, 0.3513



32.4744, 0.3762, 0.3411



20.0043, 0.3257, 0.3550



97.7402, 0.3127, 0.3290



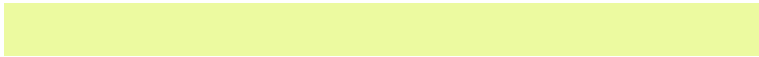
20.4902, 0.3127, 0.3290

Same Dimension

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



49.4900, 0.3498, 0.4056



88.6681, 0.3573, 0.4220



46.3200, 0.3250, 0.4121



11.6767, 0.3241, 0.3519



30.5790, 0.3925, 0.5266



1.3430, 0.3988, 0.5215

Inverse Universe

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



26.6840, 0.2681, 0.2436



41.0016, 0.2567, 0.2228



29.5829, 0.2957, 0.2501



9.8213, 0.3007, 0.3054



2.7666, 0.1571, 0.0639



0.1438, 0.1754, 0.0740

Previews

White Background



This preview shows how the Yxy color 49.4878, 0.3498, 0.4056 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 49.4878, 0.3498, 0.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

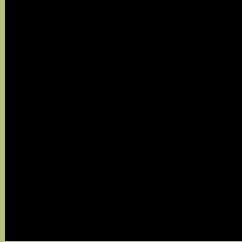
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

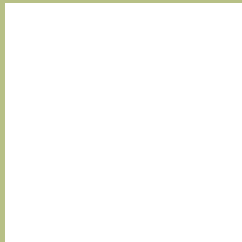
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4878, 0.3498, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 49.4878, 0.3498, 0.4056.



This preview shows how white text looks on a background with the Yxy color 49.4878, 0.3498, 0.4056.

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

49.4878, 0.3498, 0.4056

Protanopia

49.2013, 0.3697, 0.3970

Deuteranopia

49.4185, 0.3869, 0.3789



Tritanopia

49.4346, 0.3077, 0.3116

Trichromacy



Original Color

49.4878, 0.3498, 0.4056

Protanomaly

49.1292, 0.3617, 0.3997

Deuteranomaly

49.3240, 0.3727, 0.3885

Tritanomaly

49.3272, 0.3229, 0.3444

Monochromacy



Original Color

49.4878, 0.3498, 0.4056

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.9017, 0.3267, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4878, 0.3498, 0.4056 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(183, 192, 134)` looks like.

```
.text, #text, p{  
    color:rgb(183, 192, 134)  
}
```

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(183, 192, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 192, 134) }
```

Border

The CSS property to change the border of an element to Yxy 49.4878, 0.3498, 0.4056 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(183, 192, 134) }
```

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

```
.border{ border-color:rgb(183, 192, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 192, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 192, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 192, 134); box-shadow:4px 4px 4px 4px rgb(183, 192, 134) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4878, 0.3498, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 192, 134) }
```

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

```
.background{ background-color: rgb(183,  
192, 134) }
```

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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