

Converting Colors

$Yxy(48.8391, 0.3707, 0.4905)$

Have a look what the booklet for
Yxy(48.8391, 0.3707, 0.4905)
contains.

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Color

Yxy(48.8685, 0.3707, 0.4908)

Conversions

Conversions Part 1

Format	Color
Hex	A5C649
RGB	165, 198, 73
RGB Percent	65%, 78%, 29%
CMY	0.3530, 0.2235, 0.7137
CMYK	0.17, 0.00, 0.63, 0.22
HSL	76°, 52%, 53%
HSV	76°, 63%, 78%
XYZ	36.9103, 48.8685, 13.7903
YIQ	173.8830, 20.4570, -45.8710

Conversions

Conversions Part 2

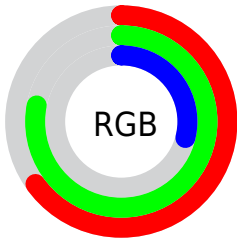
Format	Color
RYB	73, 198, 106
Decimal	10864201
CIELab	75.37, -29.05, 57.09
CIELCh	75, 64.059, 116.964
Yxy	48.8685, 0.3707, 0.4908
Android (android.graphics.Color)	4289054281 (0xFFA5C649)
YUV	173.8830, -49.7353, -7.7904
Hunter-Lab	69.9060, -28.0878, 37.2381

Details

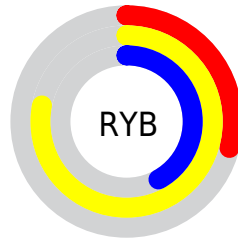
The Yxy color **48.8685, 0.3707, 0.4908** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **11.9094, 0.2175, 0.1398**, and the grayscale version is **42.5158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5819, 0.3635, 0.4618**, and **23.2834, 0.3770, 0.5333** is the 20% darker color. If you saturate the color by 10%, you get **48.0989, 0.3746, 0.5106**, and if you desaturate by 10%, it is **49.7490, 0.3645, 0.4675**.

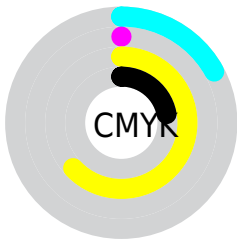
Distribution



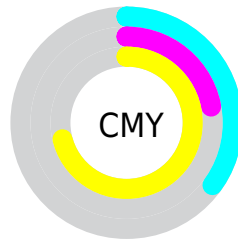
- Red (65%)
- Green (78%)
- Blue (29%)



- Red (29%)
- Yellow (78%)
- Blue (42%)



- Cyan (17%)
- Magenta (0%)
- Yellow (63%)
- Black (22%)





- Cyan (35%)
- Magenta (22%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8685, 0.3707, 0.4908 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 48.8685, 0.3707, 0.4908 by changing the saturation by 10% instead.


 48.8685, 0.3707,
0.4908

 48.8685, 0.3707,
0.4908


382.2244, 0.3473,
0.4093

 34.5152, 0.3741,
0.5101


 88.4961, 0.3639,
0.4617

 23.2897, 0.3768,
0.5338


 114.5392, 0.3608,
0.4506


 14.8075, 0.3774,
0.5628


 145.2477, 0.3580,
0.4411

 8.6844, 0.3767,
0.6044

 181.0059, 0.3554,
0.4329

 4.5359, 0.3580,
0.6420

 222.1983, 0.3531,
0.4258

 1.9776, 0.3151,
0.6849

269.2092, 0.3510,

 0.5944, 0.0000,

0.4196

1.0000

322.4231, 0.3490,
0.4142

0.0000, 0.0000,
0.0000

48.8685, 0.3707,
0.4908

48.8685, 0.3707,
0.4908

48.0989, 0.3746,
0.5106

49.7490, 0.3645,
0.4675

47.4252, 0.3760,
0.5260

50.7413, 0.3565,
0.4419

46.8393, 0.3749,
0.5367

51.8542, 0.3472,
0.4151

46.4750, 0.3731,
0.5420

53.0939, 0.3370,
0.3881

54.4659, 0.3265,
0.3617

■ 55.9756, 0.3160,
0.3366

■ 57.6278, 0.3057,
0.3130

■ 59.4272, 0.2959,
0.2913

■ 61.3783, 0.2867,
0.2715

Harmonies

Analogous

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



48.8685, 0.4426, 0.4539



48.8685, 0.3707, 0.4908



48.8685, 0.2880, 0.4704

Triad

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



48.8685, 0.3707, 0.4908



48.8685, 0.1656, 0.2302



48.8685, 0.4086, 0.2737

Complementary

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



48.8685, 0.3707, 0.4908



11.9094, 0.2175, 0.1398

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.



48.8685, 0.3184, 0.2283



48.8685, 0.3707, 0.4908



48.8685, 0.1870, 0.2019

Square

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



48.8685, 0.3707, 0.4908



48.8685, 0.1746, 0.2938



48.8685, 0.2387, 0.2028



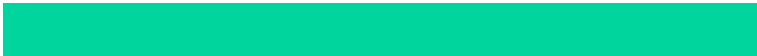
48.8685, 0.4728, 0.3314

Rectangle

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



48.8685, 0.3707, 0.4908



48.8685, 0.2378, 0.4198



48.8685, 0.2387, 0.2028



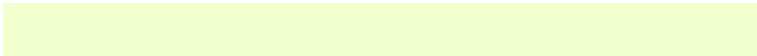
48.8685, 0.3794, 0.2568

Sweetspot

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



48.8707, 0.3707, 0.4908



94.9152, 0.3330, 0.3778



22.4401, 0.4832, 0.3679



20.1687, 0.3360, 0.3855



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.



48.8707, 0.3707, 0.4908



84.6667, 0.3755, 0.5173



43.8321, 0.3219, 0.5199



12.2706, 0.3225, 0.3521



30.2639, 0.3737, 0.5415



1.4668, 0.3837, 0.5336

Inverse Universe

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



11.9094, 0.2175, 0.1398



14.0506, 0.1940, 0.1030



17.0323, 0.2826, 0.1691



10.4207, 0.3023, 0.3054



3.1678, 0.1668, 0.0692



0.1864, 0.1897, 0.0819

Previews

White Background



This preview shows how the Yxy color 48.8685, 0.3707, 0.4908 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 48.8685, 0.3707, 0.4908 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 48.8685, 0.3707, 0.4908

Background



This preview shows how black text looks on a background with the Yxy color 48.8685, 0.3707, 0.4908.



This preview shows how white text looks on a background with the Yxy color 48.8685, 0.3707, 0.4908.

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

48.8685, 0.3707, 0.4908

Protanopia

48.3930, 0.4198, 0.4600

Deuteranopia

48.4528, 0.4414, 0.4311



Tritanopia

48.4518, 0.2965, 0.3099

Trichromacy



Original Color

48.8685, 0.3707, 0.4908

Protanomaly

48.4756, 0.4017, 0.4720

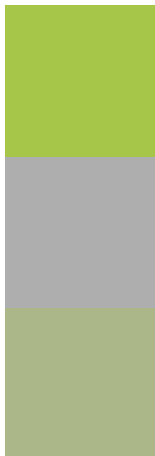
Deuteranomaly

47.9386, 0.4151, 0.4530

Tritanomaly

48.1587, 0.3270, 0.3776

Monochromacy



Original Color

48.8685, 0.3707, 0.4908

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.3310, 0.3391, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8685, 0.3707, 0.4908 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(165, 198, 73)` looks like.

```
.text, #text, p{  
    color:rgb(165, 198, 73)  
}
```

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(165, 198, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 198, 73) }
```

Border

The CSS property to change the border of an element to Yxy 48.8685, 0.3707, 0.4908 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(165, 198, 73) }
```

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

```
.border{ border-color:rgb(165, 198, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 198, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 198, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 198, 73);  
box-shadow:4px 4px 4px 4px rgb(165, 198,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8685, 0.3707, 0.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 198, 73) }
```

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

```
.background{ background-color: rgb(165,  
198, 73) }
```

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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