

Converting Colors

$Yxy(49.0699, 0.4014, 0.4883)$

Have a look what the booklet for
Yxy(49.0699, 0.4014, 0.4883)
contains.

Yxy(48.9902, 0.4014, 0.4882)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9902, 0.4014, 0.4882)

Conversions

Conversions Part 1

Format	Color
Hex	BBC138
RGB	187, 193, 56
RGB Percent	73%, 76%, 22%
CMY	0.2666, 0.2431, 0.7802
CMYK	0.03, 0.00, 0.71, 0.24
HSL	63°, 55%, 49%
HSV	63°, 71%, 76%
XYZ	40.2799, 48.9902, 11.0785
YIQ	175.5880, 40.4010, -43.8790

Conversions

Conversions Part 2

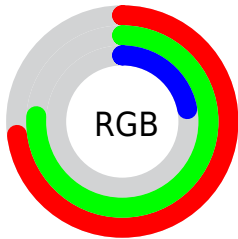
Format	Color
RYB	56, 193, 62
Decimal	12304696
CIELab	75.45, -18.59, 64.30
CIELCh	75, 66.930, 106.130
Yxy	48.9902, 0.4014, 0.4882
Android (android.graphics.Color)	4290494776 (0xFFBBC138)
YUV	175.5880, -58.9569, 10.0083
Hunter-Lab	69.9930, -19.7636, 39.6107

Details

The Yxy color **48.9902, 0.4014, 0.4882** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **7.7072, 0.1810, 0.1071**, and the grayscale version is **43.4910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5140, 0.3900, 0.4615**, and **23.5020, 0.4072, 0.5149** is the 20% darker color. If you saturate the color by 10%, you get **48.7323, 0.4072, 0.5000**, and if you desaturate by 10%, it is **49.3260, 0.3930, 0.4722**.

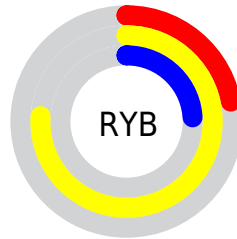
Distribution



Red (73%)

Green (76%)

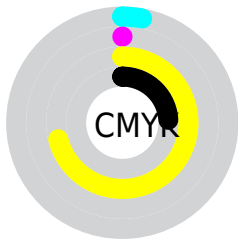
Blue (22%)



Red (22%)

Yellow (76%)

Blue (24%)

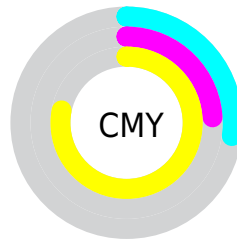


Cyan (3%)

Magenta (0%)

Yellow (71%)

Black (24%)



Cyan (27%)


Magenta (24%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9902, 0.4014, 0.4882 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 48.9902, 0.4014, 0.4882 by changing the saturation by 10% instead.


 48.9902, 0.4014,
0.4882


 48.9902, 0.4014,
0.4882


382.7037, 0.3639,
0.4115

 34.6117, 0.4076,
0.5048


 88.6769, 0.3900,
0.4619

 23.3639, 0.4134,
0.5243


 114.7539, 0.3850,
0.4515

 14.8625, 0.4175,
0.5464


 145.4992, 0.3805,
0.4425

 8.7229, 0.4223,
0.5777

 181.2971, 0.3764,
0.4346

 4.5609, 0.4060,
0.5940

 222.5322, 0.3728,
0.4277

 1.9920, 0.3791,
0.6209

269.5887, 0.3695,

 0.6028, 0.1649,

0.4217

0.8351

322.8511, 0.3665,
0.4163

0.0000, 0.0000,
0.0000

48.9902, 0.4014,
0.4882

48.9902, 0.4014,
0.4882

48.7323, 0.4072,
0.5000

49.3260, 0.3930,
0.4722

48.5367, 0.4105,
0.5075

49.7404, 0.3825,
0.4526

48.4001, 0.4117,
0.5113

50.2423, 0.3701,
0.4302

50.8375, 0.3566,
0.4060

51.5315, 0.3424,
0.3809

■ 52.3291, 0.3281,
0.3558

■ 53.2350, 0.3140,
0.3313

■ 54.2535, 0.3006,
0.3080

■ 55.3888, 0.2879,
0.2862

Harmonies

Analogous

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



48.9902, 0.4673, 0.4362



48.9902, 0.4014, 0.4882



48.9902, 0.3172, 0.4938

Triad

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



48.9902, 0.4014, 0.4882



48.9902, 0.1601, 0.2452



48.9902, 0.3795, 0.2526

Complementary

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



48.9902, 0.4014, 0.4882



7.7072, 0.1810, 0.1071

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.



48.9902, 0.2857, 0.2126



48.9902, 0.4014, 0.4882



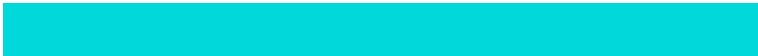
48.9902, 0.1711, 0.2039

Square

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



48.9902, 0.4014, 0.4882



48.9902, 0.1810, 0.3248



48.9902, 0.2128, 0.1950



48.9902, 0.4612, 0.3084

Rectangle

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



48.9902, 0.4014, 0.4882



48.9902, 0.2614, 0.4563



48.9902, 0.2128, 0.1950



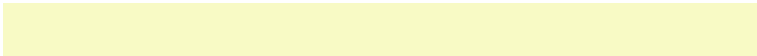
48.9902, 0.3475, 0.2371

Sweetspot

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



48.9925, 0.4014, 0.4882



92.2439, 0.3429, 0.3818



14.9186, 0.5459, 0.3344



19.7117, 0.3469, 0.3888



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.



48.9925, 0.4014, 0.4882



87.0779, 0.4093, 0.5045



42.4160, 0.3422, 0.5274



11.7352, 0.3258, 0.3518



32.2007, 0.4118, 0.5112



1.3984, 0.4136, 0.5098

Inverse Universe

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



7.7072, 0.1810, 0.1071



8.8484, 0.1603, 0.0744



11.3559, 0.2421, 0.1367



9.7685, 0.2990, 0.3052



2.6062, 0.1516, 0.0609



0.1200, 0.1574, 0.0641

Previews

White Background



This preview shows how the Yxy color 48.9902, 0.4014, 0.4882 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 48.9902, 0.4014, 0.4882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

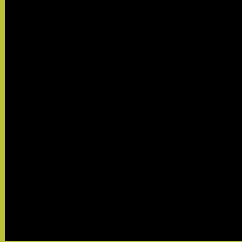
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9902, 0.4014, 0.4882

Background



This preview shows how black text looks on a background with the Yxy color 48.9902, 0.4014, 0.4882.



This preview shows how white text looks on a background with the Yxy color 48.9902, 0.4014, 0.4882.

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

48.9902, 0.4014, 0.4882

Protanopia

48.7940, 0.4270, 0.4709

Deuteranopia

48.5543, 0.4535, 0.4433



Tritanopia

48.6797, 0.3178, 0.3118

Trichromacy



Original Color

48.9902, 0.4014, 0.4882

Protanomaly

48.9504, 0.4168, 0.4777

Deuteranomaly

48.3811, 0.4350, 0.4589

Tritanomaly

48.3136, 0.3547, 0.3818

Monochromacy



Original Color

48.9902, 0.4014, 0.4882

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.8251, 0.3517, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9902, 0.4014, 0.4882 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(187, 193, 56)` looks like.

```
.text, #text, p{  
    color:rgb(187, 193, 56)  
}
```

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(187, 193, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 193, 56) }
```

Border

The CSS property to change the border of an element to Yxy 48.9902, 0.4014, 0.4882 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(187, 193, 56) }
```

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

```
.border{ border-color:rgb(187, 193, 56) }
```

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

Here you see how a box with a 4 pixel rgb(187, 193, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 193, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 193, 56);  
box-shadow:4px 4px 4px 4px rgb(187, 193,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9902, 0.4014, 0.4882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 193, 56) }
```

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

```
.background{ background-color: rgb(187,  
193, 56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor