

# Converting Colors

$Yxy(49.2615, 0.4088, 0.4943)$

Have a look what the booklet for  
Yxy(49.2615, 0.4088, 0.4943)  
contains.

<b>Yxy(49.2615, 0.4088, 0.4943)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.2615, 0.4088, 0.4943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEC12B
RGB	190, 193, 43
RGB Percent	75%, 76%, 17%
CMY	0.2549, 0.2431, 0.8309
CMYK	0.02, 0.00, 0.78, 0.24
HSL	61°, 63%, 46%
HSV	61°, 78%, 76%
XYZ	40.7406, 49.2615, 9.6570
YIQ	175.0030, 46.3620, -47.2860

# Conversions

## Conversions Part 2

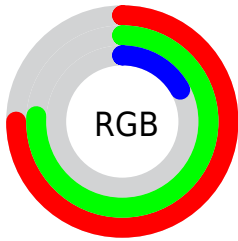
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 193, 46
Decimal	12501291
CIE Lab	75.61, -17.89, 68.76
CIE LCh	76, 71.053, 104.586
Yxy	49.2615, 0.4088, 0.4943
Android (android.graphics.Color)	4290691371 (0xFFBEC12B)
YUV	175.0030, -65.0775, 13.1524
Hunter-Lab	70.1865, -19.2139, 40.9729

# Details

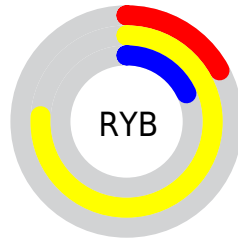
The Yxy color **49.2615, 0.4088, 0.4943** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **6.1705, 0.1689, 0.0896**, and the grayscale version is **43.2034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8504, 0.3967, 0.4678**, and **23.7427, 0.4108, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **49.1037, 0.4133, 0.5027**, and if you desaturate by 10%, it is **49.4910, 0.4017, 0.4816**.

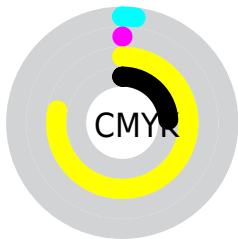
# Distribution



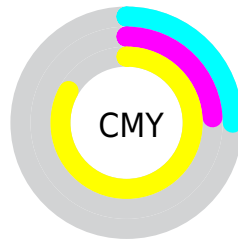
- Red (75%)
- Green (76%)
- Blue (17%)



- Red (17%)
- Yellow (76%)
- Blue (18%)



- Cyan (2%)
- Magenta (0%)
- Yellow (78%)
- Black (24%)




- Cyan (25%)
- Magenta (24%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2615, 0.4088, 0.4943 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 49.2615, 0.4088, 0.4943 by changing the saturation by 10% instead.




 49.2615, 0.4088,  
0.4943

 49.2615, 0.4088,  
0.4943


383.7709, 0.3688,  
0.4159


 34.8270, 0.4150,  
0.5107


 89.0797, 0.3969,  
0.4679


 23.5296, 0.4206,  
0.5293


 115.2322, 0.3916,  
0.4573


 14.9851, 0.4243,  
0.5503


 146.0594, 0.3868,  
0.4480

 8.8089, 0.4250,  
0.5750

 181.9458, 0.3825,  
0.4400

 4.6167, 0.4095,  
0.5905

 223.2758, 0.3785,  
0.4328

 2.0242, 0.3839,  
0.6161

 270.4337, 0.3750,

 0.6215, 0.1985,

0.4266

0.8015

323.8039, 0.3718,  
0.4209

■ 0.0000, 0.0000,  
0.0000

■ 49.2615, 0.4088,  
0.4943

■ 49.2615, 0.4088,  
0.4943

■ 49.1037, 0.4133,  
0.5027

■ 49.4910, 0.4017,  
0.4816

■ 48.9986, 0.4155,  
0.5072

■ 49.7938, 0.3922,  
0.4648

■ 48.9771, 0.4158,  
0.5080

■ 50.1792, 0.3805,  
0.4446

■ 50.6536, 0.3673,  
0.4218

■ 51.2227, 0.3530,  
0.3975

■ 51.8916, 0.3384,  
0.3724

■ 52.6653, 0.3237,  
0.3476

■ 53.5483, 0.3094,  
0.3235

■ 54.5448, 0.2959,  
0.3006

# Harmonies

## Analogous

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



49.2615, 0.4772, 0.4364



49.2615, 0.4088, 0.4943



49.2615, 0.3208, 0.5062

# Triad

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



49.2615, 0.4088, 0.4943



49.2615, 0.1533, 0.2433



49.2615, 0.3779, 0.2461

# Complementary

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



49.2615, 0.4088, 0.4943



6.1705, 0.1689, 0.0896

# 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.



49.2615, 0.2792, 0.2056



49.2615, 0.4088, 0.4943



49.2615, 0.1632, 0.1988

# Square

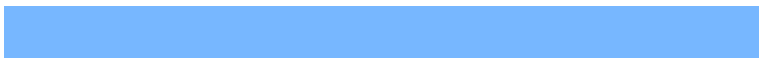
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.2615, 0.4088, 0.4943



49.2615, 0.1762, 0.3292



49.2615, 0.2046, 0.1885



49.2615, 0.4665, 0.3033



# Rectangle

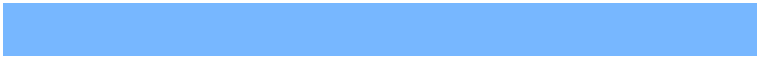
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2615, 0.4088, 0.4943



49.2615, 0.2621, 0.4694



49.2615, 0.2046, 0.1885



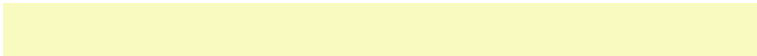
49.2615, 0.3439, 0.2303

# Sweetspot

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



49.2638, 0.4088, 0.4943



92.2261, 0.3467, 0.3867



13.4374, 0.5778, 0.3319



19.6955, 0.3521, 0.3958



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.



49.2638, 0.4088, 0.4943



87.8030, 0.4149, 0.5061



42.0013, 0.3432, 0.5409



11.7477, 0.3262, 0.3518



32.5774, 0.4159, 0.5080



1.4109, 0.4167, 0.5073



# Inverse Universe

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



6.1705, 0.1689, 0.0896



7.4848, 0.1531, 0.0644



9.6197, 0.2310, 0.1213



9.7574, 0.2986, 0.3052



2.5818, 0.1507, 0.0604



0.1150, 0.1535, 0.0619



# Previews

## White Background



This preview shows how the Yxy color 49.2615, 0.4088, 0.4943 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 49.2615, 0.4088, 0.4943 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 49.2615, 0.4088, 0.4943**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2615, 0.4088, 0.4943.



This preview shows how white text looks on a background with the Yxy color 49.2615, 0.4088, 0.4943.

# 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

49.2615, 0.4088, 0.4943

### Protanopia

49.2561, 0.4318, 0.4783

### Deuteranopia

49.1757, 0.4593, 0.4495



## Tritanopia

49.2341, 0.3212, 0.3120

# Trichromacy



## Original Color

49.2615, 0.4088, 0.4943

## Protanomaly

49.1189, 0.4234, 0.4839

## Deuteranomaly

48.9858, 0.4410, 0.4658

## Tritanomaly

48.5678, 0.3616, 0.3877

# Monochromacy



## Original Color

49.2615, 0.4088, 0.4943

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

44.6915, 0.3557, 0.4037

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2615, 0.4088, 0.4943 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(190, 193, 43)` looks like.

```
.text, #text, p{  
    color:rgb(190, 193, 43)  
}
```

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(190, 193, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 193, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2615, 0.4088, 0.4943 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(190, 193, 43) }
```

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

```
.border{ border-color:rgb(190, 193, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 193, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 193, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 193, 43);  
box-shadow:4px 4px 4px 4px rgb(190, 193,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2615, 0.4088, 0.4943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 193, 43) }
```

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

```
.background{ background-color: rgb(190,  
193, 43) }
```

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