

Converting Colors

$Yxy(48.9093, 0.3881, 0.4946)$

Have a look what the booklet for
Yxy(48.9093, 0.3881, 0.4946)
contains.

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Color

Yxy(49.0257, 0.3881, 0.4950)

Conversions

Conversions Part 1

Format	Color
Hex	B0C43B
RGB	176, 196, 59
RGB Percent	69%, 77%, 23%
CMY	0.3097, 0.2314, 0.7685
CMYK	0.10, 0.00, 0.70, 0.23
HSL	69°, 54%, 50%
HSV	69°, 70%, 77%
XYZ	38.4381, 49.0257, 11.5780
YIQ	174.4020, 32.0570, -46.8470

Conversions

Conversions Part 2

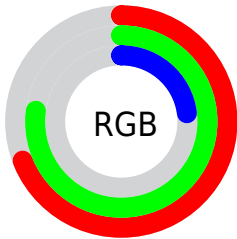
Format	Color
RYB	59, 196, 79
Decimal	11584571
CIELab	75.47, -24.50, 62.95
CIELCh	75, 67.551, 111.268
Yxy	49.0257, 0.3881, 0.4950
Android (android.graphics.Color)	4289774651 (0xFFB0C43B)
YUV	174.4020, -56.8932, 1.4014
Hunter-Lab	70.0184, -24.5406, 39.2089

Details

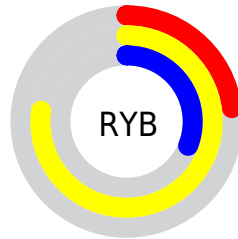
The Yxy color **49.0257, 0.3881, 0.4950** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **8.7789, 0.1924, 0.1145**, and the grayscale version is **42.8358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9579, 0.3788, 0.4674**, and **23.3391, 0.3928, 0.5263** is the 20% darker color. If you saturate the color by 10%, you get **48.5314, 0.3924, 0.5094**, and if you desaturate by 10%, it is **49.6078, 0.3813, 0.4765**.

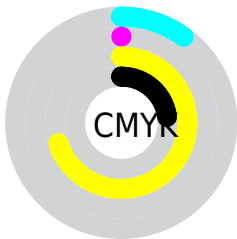
Distribution



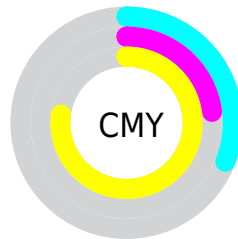
- Red (69%)
- Green (77%)
- Blue (23%)



- Red (23%)
- Yellow (77%)
- Blue (31%)



- Cyan (10%)
- Magenta (0%)
- Yellow (70%)
- Black (23%)





- Cyan (31%)
- Magenta (23%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0257, 0.3881, 0.4950 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 49.0257, 0.3881, 0.4950 by changing the saturation by 10% instead.


 49.0257, 0.3881,
0.4950


 49.0257, 0.3881,
0.4950


382.8435, 0.3572,
0.4134

 34.6399, 0.3927,
0.5133


 88.7296, 0.3790,
0.4665


 23.3856, 0.3967,
0.5352

 114.8165, 0.3749,
0.4554

 14.8785, 0.3984,
0.5608


 145.5725, 0.3712,
0.4459

 8.7341, 0.4008,
0.5992

 181.3821, 0.3678,
0.4376

 4.5682, 0.3792,
0.6208

 222.6295, 0.3647,
0.4304

 1.9962, 0.3433,
0.6567

269.6993, 0.3620,

 0.6053, 0.0000,

0.4241

1.0000

322.9759, 0.3594,
0.4184

■ 0.0000, 0.0000,
0.0000

■ 49.0257, 0.3881,
0.4950

■ 49.0257, 0.3881,
0.4950

■ 48.5314, 0.3924,
0.5094

■ 49.6078, 0.3813,
0.4765

■ 48.1092, 0.3941,
0.5194

■ 50.2787, 0.3723,
0.4546

■ 47.7439, 0.3937,
0.5255

■ 51.0474, 0.3617,
0.4303

■ 47.7397, 0.3937,
0.5256

■ 51.9201, 0.3499,
0.4047

■ 52.9022, 0.3375,
0.3787

■ 53.9990, 0.3249,
0.3532

■ 55.2151, 0.3126,
0.3287

■ 56.5553, 0.3007,
0.3057

■ 58.0237, 0.2895,
0.2843

Harmonies

Analogous

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



49.0257, 0.4593, 0.4474



49.0257, 0.3881, 0.4950



49.0257, 0.3022, 0.4890

Triad

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



49.0257, 0.3881, 0.4950



49.0257, 0.1587, 0.2346



49.0257, 0.3963, 0.2607

Complementary

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



49.0257, 0.3881, 0.4950



8.7789, 0.1924, 0.1145

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.



49.0257, 0.3007, 0.2172



49.0257, 0.3881, 0.4950



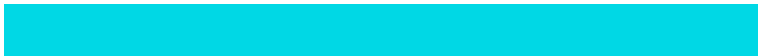
49.0257, 0.1750, 0.1993

Square

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



49.0257, 0.3881, 0.4950



49.0257, 0.1739, 0.3083



49.0257, 0.2224, 0.1953



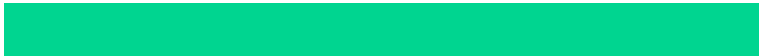
49.0257, 0.4723, 0.3186

Rectangle

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



49.0257, 0.3881, 0.4950



49.0257, 0.2476, 0.4430



49.0257, 0.2224, 0.1953



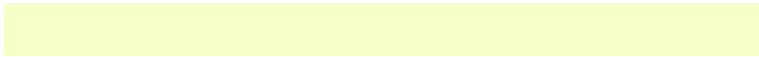
49.0257, 0.3644, 0.2442

Sweetspot

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



49.0279, 0.3881, 0.4950



95.5670, 0.3393, 0.3825



17.4003, 0.5272, 0.3498



20.3458, 0.3428, 0.3898



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.



49.0279, 0.3881, 0.4950



87.4877, 0.3936, 0.5154



43.0624, 0.3318, 0.5318



11.6815, 0.3243, 0.3519



30.7045, 0.3941, 0.5253



1.3474, 0.4001, 0.5205

Inverse Universe

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



8.7789, 0.1924, 0.1145



10.1713, 0.1692, 0.0800



13.2069, 0.2591, 0.1466



9.8169, 0.3005, 0.3054



2.7482, 0.1564, 0.0635



0.1418, 0.1739, 0.0732

Previews

White Background



This preview shows how the Yxy color 49.0257, 0.3881, 0.4950 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 49.0257, 0.3881, 0.4950 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 49.0257, 0.3881, 0.4950

Background



This preview shows how black text looks on a background with the Yxy color 49.0257, 0.3881, 0.4950.



This preview shows how white text looks on a background with the Yxy color 49.0257, 0.3881, 0.4950.

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

49.0257, 0.3881, 0.4950

Protanopia

48.8132, 0.4261, 0.4697

Deuteranopia

48.5998, 0.4514, 0.4406



Tritanopia

48.8453, 0.3077, 0.3115

Trichromacy



Original Color

49.0257, 0.3881, 0.4950

Protanomaly

48.8581, 0.4115, 0.4796

Deuteranomaly

48.2229, 0.4290, 0.4599

Tritanomaly

48.3873, 0.3425, 0.3831

Monochromacy



Original Color

49.0257, 0.3881, 0.4950

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.2358, 0.3470, 0.3980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0257, 0.3881, 0.4950 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(176, 196, 59)` looks like.

```
.text, #text, p{  
    color:rgb(176, 196, 59)  
}
```

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(176, 196, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 196, 59) }
```

Border

The CSS property to change the border of an element to Yxy 49.0257, 0.3881, 0.4950 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(176, 196, 59) }
```

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

```
.border{ border-color:rgb(176, 196, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 196, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 196, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 196, 59);  
box-shadow:4px 4px 4px 4px rgb(176, 196,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0257, 0.3881, 0.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 196, 59) }
```

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

```
.background{ background-color: rgb(176,  
196, 59) }
```

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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