

Converting Colors

$Y_{xy}(49.3264, 0.3861, 0.4732)$

Have a look what the booklet for
Yxy(49.3264, 0.3861, 0.4732)
contains.

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Color

Yxy(49.2009, 0.3866, 0.4732)

Conversions

Conversions Part 1

Format	Color
Hex	B7C24E
RGB	183, 194, 78
RGB Percent	72%, 76%, 31%
CMY	0.2823, 0.2392, 0.6943
CMYK	0.06, 0.00, 0.60, 0.24
HSL	66°, 49%, 53%
HSV	66°, 60%, 76%
XYZ	40.1967, 49.2009, 14.5773
YIQ	177.4870, 30.6800, -38.4080

Conversions

Conversions Part 2

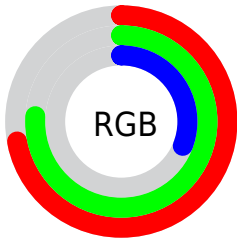
Format	Color
RYB	78, 194, 89
Decimal	12042830
CIELab	75.58, -19.42, 55.58
CIELCh	76, 58.870, 109.259
Yxy	49.2009, 0.3866, 0.4732
Android (android.graphics.Color)	4290232910 (0xFFB7C24E)
YUV	177.4870, -49.0471, 4.8349
Hunter-Lab	70.1434, -20.4588, 36.7786

Details

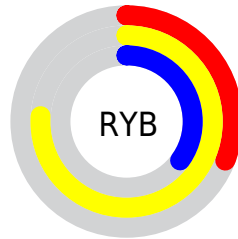
The Yxy color **49.2009, 0.3866, 0.4732** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **11.4591, 0.2061, 0.1425**, and the grayscale version is **44.4874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7107, 0.3767, 0.4482**, and **23.6159, 0.3975, 0.5098** is the 20% darker color. If you saturate the color by 10%, you get **48.7411, 0.3943, 0.4907**, and if you desaturate by 10%, it is **49.7502, 0.3767, 0.4523**.

Distribution



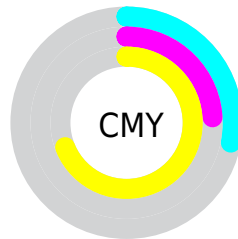
- Red (72%)
- Green (76%)
- Blue (31%)



- Red (31%)
- Yellow (76%)
- Blue (35%)



- Cyan (6%)
- Magenta (0%)
- Yellow (60%)
- Black (24%)





- Cyan (28%)
- Magenta (24%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2009, 0.3866, 0.4732 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 49.2009, 0.3866, 0.4732 by changing the saturation by 10% instead.


 49.2009, 0.3866,
0.4732


 49.2009, 0.3866,
0.4732

383.5327, 0.3544,
0.4020

 34.7789, 0.3924,
0.4896


 88.9898, 0.3764,
0.4481


 23.4926, 0.3984,
0.5095


 115.1254, 0.3721,
0.4384


 14.9577, 0.4037,
0.5335


 145.9343, 0.3683,
0.4301

 8.7897, 0.4086,
0.5655

 181.8010, 0.3649,
0.4230

 4.6042, 0.4026,
0.5974

 223.1098, 0.3618,
0.4167

 2.0170, 0.3746,
0.6254

270.2450, 0.3591,

 0.6173, 0.1544,

0.4112

0.8456

323.5912, 0.3566,
0.4064

0.0000, 0.0000,
0.0000

49.2009, 0.3866,
0.4732

49.2009, 0.3866,
0.4732

48.7411, 0.3943,
0.4907

49.7502, 0.3767,
0.4523

48.3565, 0.3996,
0.5041

50.3889, 0.3651,
0.4288

48.0407, 0.4022,
0.5130

51.1249, 0.3524,
0.4038

47.7767, 0.4027,
0.5183

51.9639, 0.3391,
0.3783

47.7720, 0.4028,
0.5184

52.9107, 0.3256,
0.3530

■ 53.9700, 0.3125,
0.3286

■ 55.1462, 0.2999,
0.3055

■ 56.4434, 0.2880,
0.2840

■ 57.8656, 0.2769,
0.2642

Harmonies

Analogous

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



49.2009, 0.4469, 0.4331



49.2009, 0.3866, 0.4732



49.2009, 0.3107, 0.4684

Triad

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



49.2009, 0.3866, 0.4732



49.2009, 0.1749, 0.2503



49.2009, 0.3805, 0.2656

Complementary

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



49.2009, 0.3866, 0.4732



11.4591, 0.2061, 0.1425

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.



49.2009, 0.2976, 0.2271



49.2009, 0.3866, 0.4732



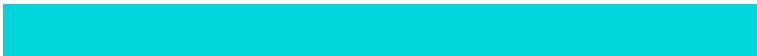
49.2009, 0.1878, 0.2150

Square

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



49.2009, 0.3866, 0.4732



49.2009, 0.1917, 0.3180



49.2009, 0.2292, 0.2088



49.2009, 0.4486, 0.3179

Rectangle

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



49.2009, 0.3866, 0.4732



49.2009, 0.2613, 0.4315



49.2009, 0.2292, 0.2088



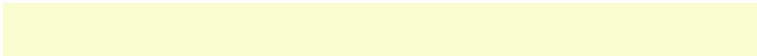
49.2009, 0.3528, 0.2509

Sweetspot

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



49.2032, 0.3866, 0.4732



94.3926, 0.3370, 0.3744



18.9377, 0.4884, 0.3415



20.5660, 0.3410, 0.3819



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.



49.2032, 0.3866, 0.4732



88.0576, 0.3963, 0.4956



43.5933, 0.3370, 0.5012



11.7083, 0.3250, 0.3519



31.4272, 0.4030, 0.5182



1.3722, 0.4069, 0.5152

Inverse Universe

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



11.4591, 0.2061, 0.1425



13.5931, 0.1819, 0.1035



15.4169, 0.2624, 0.1668



9.7926, 0.2998, 0.3053



2.6642, 0.1536, 0.0620



0.1309, 0.1658, 0.0687

Previews

White Background



This preview shows how the Yxy color 49.2009, 0.3866, 0.4732 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 49.2009, 0.3866, 0.4732 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 49.2009, 0.3866, 0.4732

Background



This preview shows how black text looks on a background with the Yxy color 49.2009, 0.3866, 0.4732.



This preview shows how white text looks on a background with the Yxy color 49.2009, 0.3866, 0.4732.

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

49.2009, 0.3866, 0.4732

Protanopia

48.9050, 0.4151, 0.4552

Deuteranopia

48.8918, 0.4386, 0.4296



Tritanopia

49.0435, 0.3127, 0.3117

Trichromacy



Original Color

49.2009, 0.3866, 0.4732

Protanomaly

48.9368, 0.4041, 0.4618

Deuteranomaly

48.6072, 0.4199, 0.4451

Tritanomaly

48.4941, 0.3435, 0.3718

Monochromacy



Original Color

49.2009, 0.3866, 0.4732

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.3738, 0.3431, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2009, 0.3866, 0.4732 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, 194, 78)` looks like.

```
.text, #text, p{  
    color:rgb(183, 194, 78)  
}
```

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, 194, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 194, 78) }
```

Border

The CSS property to change the border of an element to Yxy 49.2009, 0.3866, 0.4732 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, 194, 78) }
```

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

```
.border{ border-color:rgb(183, 194, 78) }
```

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

Here you see how a box with a 4 pixel rgb(183, 194, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 194, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 194, 78);  
box-shadow:4px 4px 4px 4px rgb(183, 194,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2009, 0.3866, 0.4732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 194, 78) }
```

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

```
.background{ background-color: rgb(183,  
194, 78) }
```

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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