

Converting Colors

$Yxy(49.9178, 0.3870, 0.4476)$

Have a look what the booklet for
Yxy(49.9178, 0.3870, 0.4476)
contains.

Yxy(50.0131, 0.3870, 0.4479)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.0131, 0.3870, 0.4479)

Conversions

Conversions Part 1

Format	Color
Hex	C2C060
RGB	194, 192, 96
RGB Percent	76%, 75%, 38%
CMY	0.2391, 0.2471, 0.6236
CMYK	0.00, 0.01, 0.51, 0.24
HSL	59°, 45%, 57%
HSV	59°, 51%, 76%
XYZ	43.2129, 50.0131, 18.4353
YIQ	181.6540, 32.0080, -29.4320

Conversions

Conversions Part 2

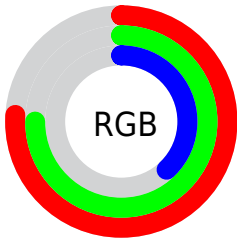
Format	Color
RYB	98, 194, 96
Decimal	12763232
CIELab	76.08, -12.42, 48.11
CIELCh	76, 49.686, 104.470
Yxy	50.0131, 0.3870, 0.4479
Android (android.graphics.Color)	4290953312 (0xFFC2C060)
YUV	181.6540, -42.2274, 10.8274
Hunter-Lab	70.7199, -14.6887, 34.0482

Details

The Yxy color **50.0131, 0.3870, 0.4479** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **15.1171, 0.2175, 0.1737**, and the grayscale version is **46.8035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0002, 0.3755, 0.4270**, and **24.0580, 0.4013, 0.4782** is the 20% darker color. If you saturate the color by 10%, you get **49.5252, 0.3989, 0.4666**, and if you desaturate by 10%, it is **50.5942, 0.3734, 0.4264**.

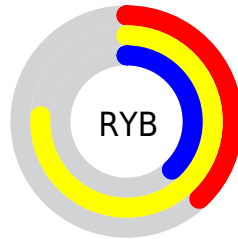
Distribution



Red (76%)

Green (75%)

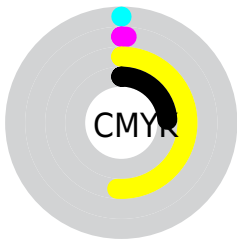
Blue (38%)



Red (38%)

Yellow (76%)

Blue (38%)

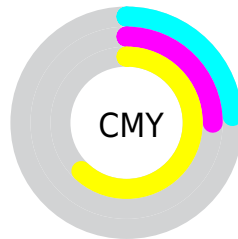


Cyan (0%)

Magenta (1%)

Yellow (51%)

Black (24%)



Cyan (24%)


Magenta (25%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0131, 0.3870, 0.4479 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 50.0131, 0.3870, 0.4479 by changing the saturation by 10% instead.


 50.0131, 0.3870,
0.4479

 50.0131, 0.3870,
0.4479

386.7172, 0.3530,
0.3895

 35.4238, 0.3940,
0.4615


 90.1943, 0.3756,
0.4273

 23.9895, 0.4021,
0.4781


 116.5550, 0.3710,
0.4194

 15.3258, 0.4109,
0.4985


 147.6082, 0.3670,
0.4126

 9.0484, 0.4195,
0.5235

 183.7385, 0.3635,
0.4067

 4.7728, 0.4345,
0.5655

225.3301, 0.3604,
0.4016

 2.1146, 0.4175,
0.5825

272.7675, 0.3576,

 0.6728, 0.3333,

0.3971

0.6667

326.4351, 0.3552,
0.3931

0.0000, 0.0000,
0.0000

50.0131, 0.3870,
0.4479

50.0131, 0.3870,
0.4479

49.5252, 0.3989,
0.4666

50.5942, 0.3734,
0.4264

49.1171, 0.4087,
0.4817

51.2677, 0.3587,
0.4029

48.7835, 0.4159,
0.4926

52.0411, 0.3435,
0.3786

48.5155, 0.4205,
0.4992

52.9196, 0.3283,
0.3541

48.3059, 0.4230,
0.5024

53.9077, 0.3135,
0.3303

■ 55.0100, 0.2994,
0.3075

■ 56.2305, 0.2862,
0.2861

■ 57.5732, 0.2740,
0.2662

■ 57.9961, 0.2718,
0.2629

Harmonies

Analogous

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



50.0131, 0.4335, 0.4132



50.0131, 0.3870, 0.4479



50.0131, 0.3234, 0.4481

Triad

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



50.0131, 0.3870, 0.4479



50.0131, 0.1945, 0.2709



50.0131, 0.3592, 0.2686

Complementary

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



50.0131, 0.3870, 0.4479



15.1171, 0.2175, 0.1737

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.



50.0131, 0.2901, 0.2372



50.0131, 0.3870, 0.4479



50.0131, 0.2015, 0.2348

Square

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



50.0131, 0.3870, 0.4479



50.0131, 0.2143, 0.3322



50.0131, 0.2342, 0.2246



50.0131, 0.4196, 0.3132

Rectangle

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



50.0131, 0.3870, 0.4479



50.0131, 0.2801, 0.4222



50.0131, 0.2342, 0.2246



50.0131, 0.3358, 0.2563

Sweetspot

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



50.0154, 0.3870, 0.4479



95.0764, 0.3354, 0.3656



20.7392, 0.4499, 0.3251



20.7466, 0.3387, 0.3709



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.



50.0154, 0.3870, 0.4479



89.5863, 0.4005, 0.4690



45.7599, 0.3452, 0.4691



11.7214, 0.3265, 0.3513



31.7662, 0.4229, 0.5024



1.3840, 0.4221, 0.5031

Inverse Universe

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



15.1171, 0.2175, 0.1737



19.1108, 0.1943, 0.1353



17.9842, 0.2601, 0.1869



9.7806, 0.2983, 0.3057



2.6330, 0.1504, 0.0615



0.1255, 0.1520, 0.0672

Previews

White Background



This preview shows how the Yxy color 50.0131, 0.3870, 0.4479 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 50.0131, 0.3870, 0.4479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

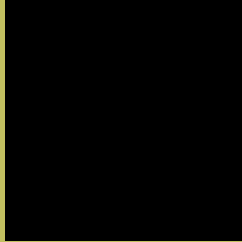
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0131, 0.3870, 0.4479

Background



This preview shows how black text looks on a background with the Yxy color 50.0131, 0.3870, 0.4479.



This preview shows how white text looks on a background with the Yxy color 50.0131, 0.3870, 0.4479.

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

50.0131, 0.3870, 0.4479

Protanopia

50.0581, 0.4019, 0.4394

Deuteranopia

49.9640, 0.4260, 0.4173



Tritanopia

49.8252, 0.3212, 0.3121

Trichromacy



Original Color

50.0131, 0.3870, 0.4479

Protanomaly

49.7780, 0.3967, 0.4425

Deuteranomaly

49.9145, 0.4115, 0.4283

Tritanomaly

49.4805, 0.3468, 0.3618

Monochromacy



Original Color

50.0131, 0.3870, 0.4479

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.7913, 0.3406, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0131, 0.3870, 0.4479 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(194, 192, 96)` looks like.

```
.text, #text, p{  
    color:rgb(194, 192, 96)  
}
```

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(194, 192, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 192, 96) }
```

Border

The CSS property to change the border of an element to Yxy 50.0131, 0.3870, 0.4479 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(194, 192, 96) }
```

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

```
.border{ border-color:rgb(194, 192, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 192, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 192, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 192, 96);  
box-shadow:4px 4px 4px 4px rgb(194, 192,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0131, 0.3870, 0.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 192, 96) }
```

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

```
.background{ background-color: rgb(194,  
192, 96) }
```

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