

Converting Colors

$Y_{xy}(50.8489, 0.4103, 0.5110)$

Have a look what the booklet for
Yxy(50.8489, 0.4103, 0.5110)
contains.

Yxy(50.6370, 0.4108, 0.5106)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.6370, 0.4108, 0.5106)

Conversions

Conversions Part 1

Format	Color
Hex	BCC506
RGB	188, 197, 6
RGB Percent	74%, 77%, 2%
CMY	0.2627, 0.2274, 0.9769
CMYK	0.05, 0.00, 0.97, 0.23
HSL	63°, 94%, 40%
HSV	63°, 97%, 77%
XYZ	40.7397, 50.6370, 7.7949
YIQ	172.5350, 55.9470, -61.3090

Conversions

Conversions Part 2

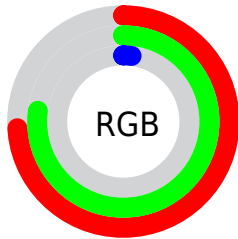
Format	Color
RYB	6, 197, 15
Decimal	12371206
CIELab	76.46, -21.54, 76.37
CIELCh	76, 79.346, 105.751
Yxy	50.6370, 0.4108, 0.5106
Android (android.graphics.Color)	4290561286 (0xFFBCC506)
YUV	172.5350, -82.1018, 13.5628
Hunter-Lab	71.1597, -22.3363, 43.3171

Details

The Yxy color **50.6370, 0.4108, 0.5106** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.2594, 0.1527, 0.0629**, and the grayscale version is **41.9397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8629, 0.4004, 0.4820**, and **24.3907, 0.4038, 0.5176** is the 20% darker color. If you saturate the color by 10%, you get **50.5914, 0.4111, 0.5118**, and if you desaturate by 10%, it is **50.8173, 0.4090, 0.5055**.

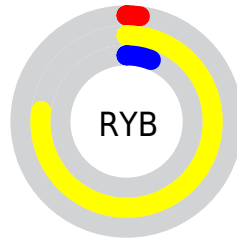
Distribution



Red (74%)

Green (77%)

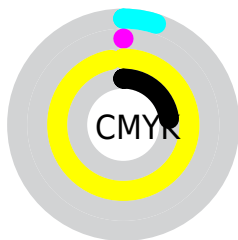
Blue (2%)



Red (2%)

Yellow (77%)

Blue (6%)

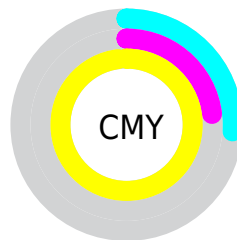


Cyan (5%)

Magenta (0%)

Yellow (97%)

Black (23%)



Cyan (26%)

Magenta (23%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6370, 0.4108, 0.5106 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 50.6370, 0.4108, 0.5106 by changing the saturation by 10% instead.


 50.6370, 0.4108,
0.5106

 50.6370, 0.4108,
0.5106


389.1518, 0.3726,
0.4260

 35.9198, 0.4156,
0.5275


 91.1180, 0.4003,
0.4827


 24.3723, 0.4189,
0.5461


 117.6505, 0.3953,
0.4713

 15.6100, 0.4213,
0.5692


 148.8903, 0.3906,
0.4613

 9.2486, 0.4131,
0.5869

 185.2218, 0.3864,
0.4524

 4.9037, 0.3950,
0.6050

 227.0292, 0.3824,
0.4447

 2.1909, 0.3653,
0.6347

 274.6971, 0.3788,

 0.7150, 0.1770,

0.4377

0.8230

328.6099, 0.3756,
0.4316

■ 0.0000, 0.0000,
0.0000

■ 50.6370, 0.4108,
0.5106

■ 50.6370, 0.4108,
0.5106

■ 50.5914, 0.4111,
0.5118

■ 50.8173, 0.4090,
0.5055

■ 51.0551, 0.4048,
0.4963

■ 51.3645, 0.3981,
0.4828

■ 51.7542, 0.3889,
0.4652

■ 52.2318, 0.3776,
0.4443

■ 52.8037, 0.3647,
0.4210

■ 53.4761, 0.3509,
0.3962

■ 54.2542, 0.3367,
0.3710

■ 55.1432, 0.3225,
0.3460

Harmonies

Analogous

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



50.6370, 0.4880, 0.4448



50.6370, 0.4108, 0.5106



50.6370, 0.3150, 0.5258

Triad

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



50.6370, 0.4108, 0.5106



50.6370, 0.1403, 0.2312



50.6370, 0.3885, 0.2407

Complementary

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



50.6370, 0.4108, 0.5106



4.2594, 0.1527, 0.0629

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.



50.6370, 0.2791, 0.1968



50.6370, 0.4108, 0.5106



50.6370, 0.1524, 0.1864

Square

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



50.6370, 0.4108, 0.5106



50.6370, 0.1622, 0.3231



50.6370, 0.1975, 0.1774



50.6370, 0.4855, 0.3019

Rectangle

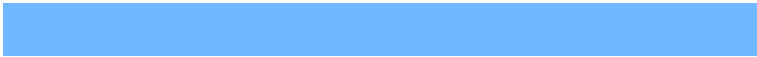
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.6370, 0.4108, 0.5106



50.6370, 0.2518, 0.4832



50.6370, 0.1975, 0.1774



50.6370, 0.3507, 0.2237

Sweetspot

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



50.6394, 0.4108, 0.5106



95.4644, 0.3543, 0.4023



12.1526, 0.6330, 0.3317



20.3210, 0.3603, 0.4131



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.



50.6394, 0.4108, 0.5106



90.5753, 0.4110, 0.5119



42.3832, 0.3334, 0.5715



12.3906, 0.3258, 0.3519



33.2858, 0.4112, 0.5117



1.5841, 0.4130, 0.5103

Inverse Universe

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



4.2594, 0.1527, 0.0629



7.2981, 0.1510, 0.0605



7.3353, 0.2117, 0.0952



10.3109, 0.2990, 0.3052



2.7011, 0.1517, 0.0609



0.1364, 0.1576, 0.0642

Previews

White Background



This preview shows how the Yxy color 50.6370, 0.4108, 0.5106 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 50.6370, 0.4108, 0.5106 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 50.6370, 0.4108, 0.5106

Background



This preview shows how black text looks on a background with the Yxy color 50.6370, 0.4108, 0.5106.



This preview shows how white text looks on a background with the Yxy color 50.6370, 0.4108, 0.5106.

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

50.6370, 0.4108, 0.5106

Protanopia

50.5413, 0.4408, 0.4882

Deuteranopia

50.5216, 0.4671, 0.4570



Tritanopia

50.4547, 0.3177, 0.3121

Trichromacy



Original Color

50.6370, 0.4108, 0.5106

Protanomaly

50.5410, 0.4298, 0.4964

Deuteranomaly

50.3953, 0.4469, 0.4769

Tritanomaly

49.3953, 0.3684, 0.4052

Monochromacy



Original Color

50.6370, 0.4108, 0.5106

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

44.0907, 0.3657, 0.4242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6370, 0.4108, 0.5106 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(188, 197, 6)` looks like.

```
.text, #text, p{  
    color:rgb(188, 197, 6)  
}
```

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(188, 197, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 197, 6) }
```

Border

The CSS property to change the border of an element to Yxy 50.6370, 0.4108, 0.5106 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(188, 197, 6) }
```

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

```
.border{ border-color:rgb(188, 197, 6) }
```

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

Here you see how a box with a 4 pixel rgb(188, 197, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 197, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 197, 6);  
box-shadow:4px 4px 4px 4px rgb(188, 197,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6370, 0.4108, 0.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 197, 6) }
```

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

```
.background{ background-color: rgb(188,  
197, 6) }
```

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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