

Converting Colors

Yxy(50.6701, 0.4154, 0.5321)

Have a look what the booklet for
Yxy(50.6701, 0.4154, 0.5321)
contains.

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Color

Yxy(51.0372, 0.4061, 0.5157)

Conversions

Conversions Part 1

Format	Color
Hex	B8C700
RGB	184, 199, 0
RGB Percent	72%, 78%, 0%
CMY	0.2785, 0.2196, 0.9990
CMYK	0.08, 0.00, 1.00, 0.22
HSL	65°, 100%, 39%
HSV	65°, 100%, 78%
XYZ	40.1904, 51.0372, 7.7392
YIQ	171.8290, 54.9390, -65.0690

Conversions

Conversions Part 2

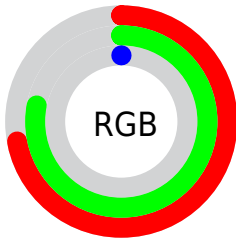
Format	Color
RYB	0, 199, 15
Decimal	12109568
CIELab	76.70, -24.29, 76.98
CIELCh	77, 80.724, 107.510
Yxy	51.0372, 0.4061, 0.5157
Android (android.graphics.Color)	4290299648 (0xFFB8C700)
YUV	171.8290, -84.7117, 10.6740
Hunter-Lab	71.4403, -24.6012, 43.5853

Details

The Yxy color **51.0372, 0.4061, 0.5157** 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 **4.2328, 0.1523, 0.0613**, and the grayscale version is **41.5947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3776, 0.3972, 0.4863**, and **24.6864, 0.3969, 0.5231** is the 20% darker color. If you saturate the color by 10%, you get **51.0368, 0.4061, 0.5158**, and if you desaturate by 10%, it is **51.2767, 0.4053, 0.5108**.

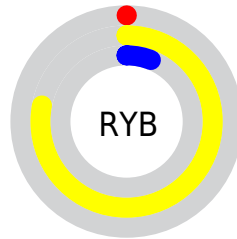
Distribution



Red (72%)

Green (78%)

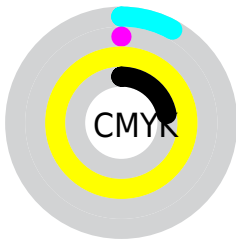
Blue (0%)



Red (0%)

Yellow (78%)

Blue (6%)

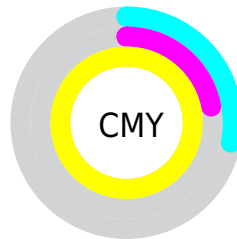


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (28%)


Magenta (22%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0372, 0.4061, 0.5157 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 51.0372, 0.4061, 0.5157 by changing the saturation by 10% instead.


 51.0372, 0.4061,
0.5157


 51.0372, 0.4061,
0.5157


390.7083, 0.3705,
0.4283


 36.2382, 0.4102,
0.5333


 91.7098, 0.3966,
0.4867


 24.6182, 0.4125,
0.5529

 118.3521, 0.3920,
0.4749


 15.7929, 0.4137,
0.5773


 149.7111, 0.3877,
0.4646

 9.3777, 0.4037,
0.5963

 186.1710, 0.3836,
0.4555

 4.9883, 0.3834,
0.6166

 228.1163, 0.3799,
0.4475

 2.2404, 0.3502,
0.6498

 275.9313, 0.3765,

 0.7419, 0.1314,

0.4403

0.8686

330.0005, 0.3734,
0.4340

■ 0.0000, 0.0000,
0.0000

■ 51.0372, 0.4061,
0.5157

■ 51.0372, 0.4061,
0.5157

■ 51.0368, 0.4061,
0.5158

■ 51.2767, 0.4053,
0.5108

■ 51.5677, 0.4023,
0.5023

■ 51.9305, 0.3968,
0.4894

■ 52.3743, 0.3888,
0.4724

■ 52.9071, 0.3785,
0.4518

■ 53.5360, 0.3666,
0.4286

■ 54.2672, 0.3535,
0.4038

■ 55.1065, 0.3398,
0.3784

■ 56.0591, 0.3261,
0.3531

Harmonies

Analogous

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



51.0372, 0.4862, 0.4500



51.0372, 0.4061, 0.5157



51.0372, 0.3088, 0.5271

Triad

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



51.0372, 0.4061, 0.5157



51.0372, 0.1383, 0.2259



51.0372, 0.3962, 0.2429

Complementary

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



51.0372, 0.4061, 0.5157



4.2328, 0.1523, 0.0613

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.



51.0372, 0.2845, 0.1973



51.0372, 0.4061, 0.5157



51.0372, 0.1524, 0.1833

Square

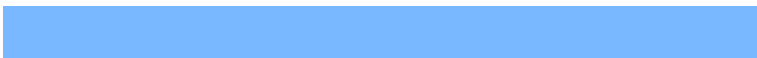
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.0372, 0.4061, 0.5157



51.0372, 0.1580, 0.3160



51.0372, 0.1999, 0.1762



51.0372, 0.4921, 0.3052

Rectangle

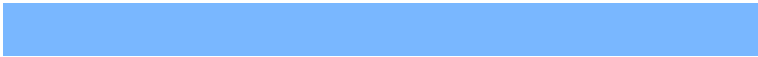
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.0372, 0.4061, 0.5157



51.0372, 0.2455, 0.4800



51.0372, 0.1999, 0.1762



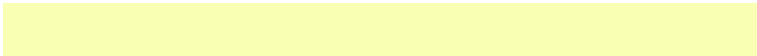
51.0372, 0.3579, 0.2253

Sweetspot

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



51.0396, 0.4061, 0.5157



94.9350, 0.3543, 0.4053



12.4441, 0.6354, 0.3335



20.1989, 0.3600, 0.4160



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.



51.0396, 0.4061, 0.5157



89.3083, 0.4059, 0.5159



42.8463, 0.3277, 0.5779



12.3747, 0.3254, 0.3519



32.8327, 0.4063, 0.5156



1.5671, 0.4092, 0.5133

Inverse Universe

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



4.2328, 0.1523, 0.0613



7.3611, 0.1518, 0.0610



7.6315, 0.2156, 0.0962



10.3251, 0.2994, 0.3052



2.7321, 0.1527, 0.0615



0.1429, 0.1621, 0.0666

Previews

White Background



This preview shows how the Yxy color 51.0372, 0.4061, 0.5157 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 51.0372, 0.4061, 0.5157 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 51.0372, 0.4061, 0.5157

Background



This preview shows how black text looks on a background with the Yxy color 51.0372, 0.4061, 0.5157.



This preview shows how white text looks on a background with the Yxy color 51.0372, 0.4061, 0.5157.

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

51.0372, 0.4061, 0.5157

Protanopia

50.9730, 0.4399, 0.4890

Deuteranopia

50.5216, 0.4671, 0.4570



Tritanopia

50.8738, 0.3119, 0.3108

Trichromacy



Original Color

51.0372, 0.4061, 0.5157

Protanomaly

50.6965, 0.4273, 0.4989

Deuteranomaly

50.0737, 0.4457, 0.4790

Tritanomaly

49.6967, 0.3648, 0.4098

Monochromacy



Original Color

51.0372, 0.4061, 0.5157

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.8118, 0.3654, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0372, 0.4061, 0.5157 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(184, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 199, 0)  
}
```

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(184, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.0372, 0.4061, 0.5157 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(184, 199, 0) }
```

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

```
.border{ border-color:rgb(184, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 199,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0372, 0.4061, 0.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 199, 0) }
```

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

```
.background{ background-color: rgb(184,  
199, 0) }
```

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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