

Converting Colors

$Y_{xy}(48.3349, 0.4171, 0.5016)$

Have a look what the booklet for
Yxy(48.3349, 0.4171, 0.5016)
contains.

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Color

Yxy(48.3850, 0.4171, 0.5016)

Conversions

Conversions Part 1

Format	Color
Hex	BFBF13
RGB	191, 191, 19
RGB Percent	75%, 75%, 7%
CMY	0.2510, 0.2510, 0.9248
CMYK	0.00, 0.00, 0.90, 0.25
HSL	60°, 82%, 41%
HSV	60°, 90%, 75%
XYZ	40.2340, 48.3850, 7.8423
YIQ	171.3920, 55.2120, -53.4920

Conversions

Conversions Part 2

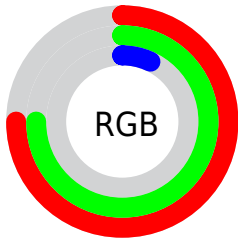
Format	Color
RYB	19, 191, 19
Decimal	12566291
CIELab	75.07, -17.11, 73.80
CIELCh	75, 75.756, 103.051
Yxy	48.3850, 0.4171, 0.5016
Android (android.graphics.Color)	4290756371 (0xFFBFBF13)
YUV	171.3920, -75.1293, 17.1962
Hunter-Lab	69.5593, -18.4821, 42.0070

Details

The Yxy color **48.3850, 0.4171, 0.5016** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.3742, 0.1551, 0.0685**, and the grayscale version is **41.3081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7353, 0.4049, 0.4748**, and **23.1635, 0.4132, 0.5101** is the 20% darker color. If you saturate the color by 10%, you get **48.3396, 0.4193, 0.5053**, and if you desaturate by 10%, it is **48.4816, 0.4128, 0.4945**.

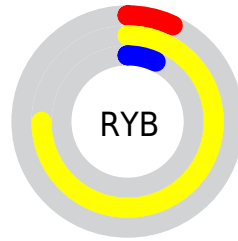
Distribution



Red (75%)

Green (75%)

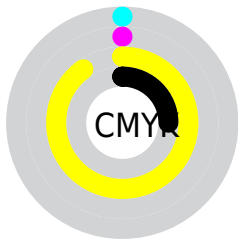
Blue (7%)



Red (7%)

Yellow (75%)

Blue (7%)

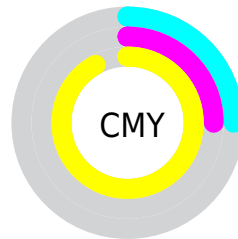


Cyan (0%)

Magenta (0%)

Yellow (90%)

Black (25%)



Cyan (25%)


Magenta (25%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3850, 0.4171, 0.5016 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 48.3850, 0.4171, 0.5016 by changing the saturation by 10% instead.


 48.3850, 0.4171,
0.5016

 48.3850, 0.4171,
0.5016


380.3161, 0.3746,
0.4212


 34.1319, 0.4232,
0.5176


 87.7774, 0.4048,
0.4751

 22.9949, 0.4281,
0.5352


 113.6854, 0.3992,
0.4642


 14.5898, 0.4327,
0.5569


 144.2471, 0.3941,
0.4547

 8.5320, 0.4271,
0.5729

 179.8471, 0.3894,
0.4463

 4.4372, 0.4120,
0.5880

 220.8695, 0.3852,
0.4389

 1.9210, 0.3868,
0.6132

 267.6989, 0.3813,

 0.5610, 0.1708,

0.4324

0.8292

320.7197, 0.3778,
0.4265

■ 0.0000, 0.0000,
0.0000

■ 48.3850, 0.4171,
0.5016

■ 48.3850, 0.4171,
0.5016

■ 48.3396, 0.4193,
0.5053

■ 48.4816, 0.4128,
0.4945

■ 48.3394, 0.4193,
0.5053

■ 48.6393, 0.4060,
0.4832

■ 48.8688, 0.3966,
0.4677

■ 49.1773, 0.3851,
0.4486

■ 49.5712, 0.3718,
0.4267

■ 50.0561, 0.3574,
0.4028

■ 50.6372, 0.3424,
0.3781

■ 51.3193, 0.3273,
0.3532

■ 52.1068, 0.3127,
0.3289

Harmonies

Analogous

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



48.3850, 0.4891, 0.4367



48.3850, 0.4171, 0.5016



48.3850, 0.3244, 0.5215

Triad

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



48.3850, 0.4171, 0.5016



48.3850, 0.1448, 0.2404



48.3850, 0.3766, 0.2383

Complementary

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



48.3850, 0.4171, 0.5016



4.3742, 0.1551, 0.0685

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.



48.3850, 0.2716, 0.1972



48.3850, 0.4171, 0.5016



48.3850, 0.1537, 0.1924

Square

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



48.3850, 0.4171, 0.5016



48.3850, 0.1700, 0.3340



48.3850, 0.1950, 0.1805



48.3850, 0.4737, 0.2973

Rectangle

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



48.3850, 0.4171, 0.5016



48.3850, 0.2620, 0.4857



48.3850, 0.1950, 0.1805



48.3850, 0.3400, 0.2222

Sweetspot

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



48.3873, 0.4171, 0.5016



89.8910, 0.3536, 0.3966



11.5967, 0.6214, 0.3299



19.6659, 0.3587, 0.4051



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.3873, 0.4171, 0.5016



86.5700, 0.4193, 0.5053



40.3208, 0.3414, 0.5599



11.1205, 0.3264, 0.3517



31.7658, 0.4193, 0.5053



1.2443, 0.4193, 0.5053

Inverse Universe

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



4.3742, 0.1551, 0.0685



6.7372, 0.1500, 0.0600



7.2427, 0.2132, 0.0998



9.2254, 0.2984, 0.3053



2.4722, 0.1500, 0.0600



0.0968, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 48.3850, 0.4171, 0.5016 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 48.3850, 0.4171, 0.5016 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 48.3850, 0.4171, 0.5016

Background



This preview shows how black text looks on a background with the Yxy color 48.3850, 0.4171, 0.5016.

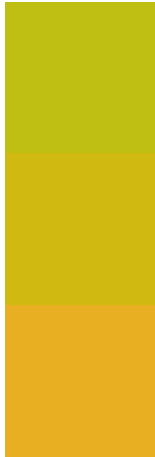


This preview shows how white text looks on a background with the Yxy color 48.3850, 0.4171, 0.5016.

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

48.3850, 0.4171, 0.5016

Protanopia

48.1483, 0.4384, 0.4856

Deuteranopia

48.0991, 0.4665, 0.4558



Tritanopia

48.4397, 0.3248, 0.3132

Trichromacy



Original Color

48.3850, 0.4171, 0.5016

Protanomaly

48.1409, 0.4309, 0.4912

Deuteranomaly

48.0419, 0.4488, 0.4722

Tritanomaly

47.5941, 0.3715, 0.3978

Monochromacy



Original Color

48.3850, 0.4171, 0.5016

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.5667, 0.3643, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3850, 0.4171, 0.5016 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(191, 191, 19)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 19)  
}
```

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(191, 191, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 19) }
```

Border

The CSS property to change the border of an element to Yxy 48.3850, 0.4171, 0.5016 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(191, 191, 19) }
```

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

```
.border{ border-color:rgb(191, 191, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 19);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3850, 0.4171, 0.5016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 19) }
```

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

```
.background{ background-color: rgb(191,  
191, 19) }
```

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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