

Converting Colors

$Y_{xy}(46.6291, 0.3860, 0.4954)$

Have a look what the booklet for
Yxy(46.6291, 0.3860, 0.4954)
contains.

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Color

Yxy(46.6730, 0.3862, 0.4948)

Conversions

Conversions Part 1

Format	Color
Hex	ABC03B
RGB	171, 192, 59
RGB Percent	67%, 75%, 23%
CMY	0.3295, 0.2470, 0.7687
CMYK	0.11, 0.00, 0.69, 0.25
HSL	69°, 53%, 49%
HSV	69°, 69%, 75%
XYZ	36.4291, 46.6730, 11.2249
YIQ	170.5590, 30.1770, -45.8150

Conversions

Conversions Part 2

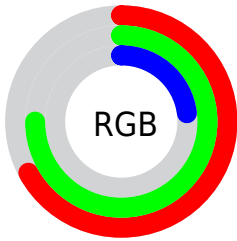
Format	Color
RYB	59, 192, 80
Decimal	11255867
CIELab	73.98, -24.65, 61.36
CIELCh	74, 66.126, 111.887
Yxy	46.6730, 0.3862, 0.4948
Android (android.graphics.Color)	4289445947 (0xFFABC03B)
YUV	170.5590, -54.9986, 0.3868
Hunter-Lab	68.3176, -24.3741, 38.0807

Details

The Yxy color **46.6730, 0.3862, 0.4948** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **8.6404, 0.1949, 0.1171**, and the grayscale version is **40.7601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0077, 0.3774, 0.4655**, and **22.1101, 0.3898, 0.5287** is the 20% darker color. If you saturate the color by 10%, you get **46.1741, 0.3905, 0.5098**, and if you desaturate by 10%, it is **47.2572, 0.3795, 0.4758**.

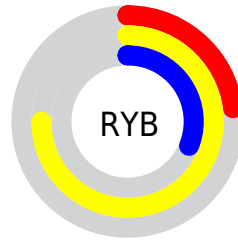
Distribution



Red (67%)

Green (75%)

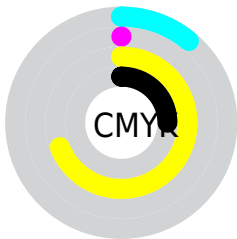
Blue (23%)



Red (23%)

Yellow (75%)

Blue (31%)

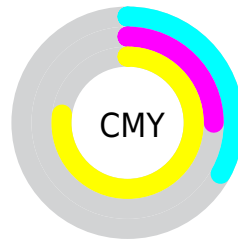


Cyan (11%)

Magenta (0%)

Yellow (69%)

Black (25%)



Cyan (33%)

Magenta (25%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6730, 0.3862, 0.4948 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 46.6730, 0.3862, 0.4948 by changing the saturation by 10% instead.


 46.6730, 0.3862,
0.4948


 46.6730, 0.3862,
0.4948

373.5078, 0.3558,
0.4124

 32.7772, 0.3908,
0.5136


 85.2253, 0.3772,
0.4658


 21.9558, 0.3946,
0.5361


 110.6506, 0.3732,
0.4546


 13.8245, 0.3960,
0.5628


 140.6879, 0.3695,
0.4449

 7.9987, 0.3976,
0.6024

 175.7216, 0.3662,
0.4366

 4.0941, 0.3743,
0.6257

 216.1360, 0.3632,
0.4294

 1.7263, 0.3350,
0.6650

262.3156, 0.3605,

 0.4406, 0.0000,

0.4230

1.0000

314.6447, 0.3580,
0.4174

■ 0.0000, 0.0000,
0.0000

■ 46.6730, 0.3862,
0.4948

■ 46.6730, 0.3862,
0.4948

■ 46.1741, 0.3905,
0.5098

■ 47.2572, 0.3795,
0.4758

■ 45.7457, 0.3921,
0.5203

■ 47.9276, 0.3706,
0.4535

■ 45.3745, 0.3917,
0.5268

■ 48.6928, 0.3601,
0.4289

■ 45.3485, 0.3916,
0.5273

■ 49.5585, 0.3485,
0.4032

■ 50.5300, 0.3363,
0.3772

■ 51.6121, 0.3240,
0.3517

■ 52.8095, 0.3119,
0.3273

■ 54.1265, 0.3002,
0.3044

■ 55.5670, 0.2892,
0.2831

Harmonies

Analogous

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



46.6730, 0.4575, 0.4482



46.6730, 0.3862, 0.4948



46.6730, 0.3006, 0.4872

Triad

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



46.6730, 0.3862, 0.4948



46.6730, 0.1593, 0.2340



46.6730, 0.3978, 0.2621

Complementary

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



46.6730, 0.3862, 0.4948



8.6404, 0.1949, 0.1171

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.



46.6730, 0.3027, 0.2183



46.6730, 0.3862, 0.4948



46.6730, 0.1762, 0.1994

Square

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



46.6730, 0.3862, 0.4948



46.6730, 0.1738, 0.3066



46.6730, 0.2241, 0.1960



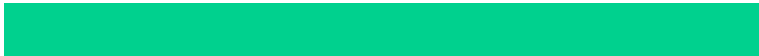
46.6730, 0.4726, 0.3200

Rectangle

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



46.6730, 0.3862, 0.4948



46.6730, 0.2464, 0.4405



46.6730, 0.2241, 0.1960



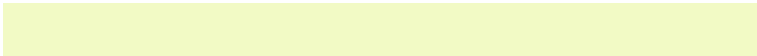
46.6730, 0.3662, 0.2455

Sweetspot

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



46.6751, 0.3862, 0.4948



91.1661, 0.3388, 0.3825



17.1079, 0.5217, 0.3525



19.4513, 0.3423, 0.3897



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.



46.6751, 0.3862, 0.4948



83.2457, 0.3916, 0.5156



41.0569, 0.3303, 0.5311



11.6751, 0.3241, 0.3519



30.5384, 0.3920, 0.5270



1.3416, 0.3984, 0.5218

Inverse Universe

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



8.6404, 0.1949, 0.1171



10.0938, 0.1718, 0.0825



12.9948, 0.2625, 0.1493



9.8228, 0.3007, 0.3054



2.7728, 0.1573, 0.0640



0.1445, 0.1758, 0.0742

Previews

White Background



This preview shows how the Yxy color 46.6730, 0.3862, 0.4948 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 46.6730, 0.3862, 0.4948 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 46.6730, 0.3862, 0.4948

Background



This preview shows how black text looks on a background with the Yxy color 46.6730, 0.3862, 0.4948.



This preview shows how white text looks on a background with the Yxy color 46.6730, 0.3862, 0.4948.

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

46.6730, 0.3862, 0.4948

Protanopia

46.4379, 0.4250, 0.4691

Deuteranopia

46.0671, 0.4497, 0.4399



Tritanopia

46.3256, 0.3051, 0.3098

Trichromacy



Original Color

46.6730, 0.3862, 0.4948

Protanomaly

46.4896, 0.4101, 0.4792

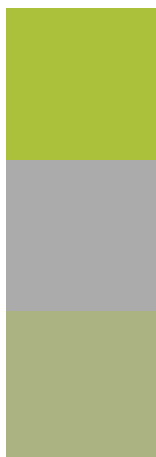
Deuteranomaly

45.7209, 0.4269, 0.4596

Tritanomaly

45.9090, 0.3396, 0.3818

Monochromacy



Original Color

46.6730, 0.3862, 0.4948

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.5098, 0.3458, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6730, 0.3862, 0.4948 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(171, 192, 59)` looks like.

```
.text, #text, p{  
    color:rgb(171, 192, 59)  
}
```

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(171, 192, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 192, 59) }
```

Border

The CSS property to change the border of an element to Yxy 46.6730, 0.3862, 0.4948 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(171, 192, 59) }
```

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

```
.border{ border-color:rgb(171, 192, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 192, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 192, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 192, 59);  
box-shadow:4px 4px 4px 4px rgb(171, 192,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6730, 0.3862, 0.4948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 192, 59) }
```

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

```
.background{ background-color: rgb(171,  
192, 59) }
```

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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