

Converting Colors

$Y_{xy}(44.8224, 0.3852, 0.4836)$

Have a look what the booklet for
Yxy(44.8224, 0.3852, 0.4836)
contains.

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Color

Yxy(45.0417, 0.3846, 0.4836)

Conversions

Conversions Part 1

Format	Color
Hex	ABBC44
RGB	171, 188, 68
RGB Percent	67%, 74%, 27%
CMY	0.3294, 0.2627, 0.7333
CMYK	0.09, 0.00, 0.64, 0.26
HSL	69°, 47%, 50%
HSV	69°, 64%, 74%
XYZ	35.8210, 45.0417, 12.2756
YIQ	169.2370, 28.3880, -40.9240

Conversions

Conversions Part 2

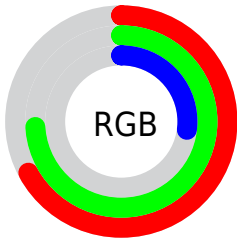
Format	Color
RYB	68, 188, 85
Decimal	11254852
CIELab	72.92, -22.11, 56.69
CIELCh	73, 60.850, 111.306
Yxy	45.0417, 0.3846, 0.4836
Android (android.graphics.Color)	4289444932 (0xFFABBC44)
YUV	169.2370, -49.9098, 1.5462
Hunter-Lab	67.1131, -22.1752, 36.1345

Details

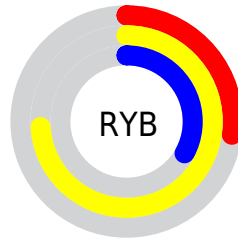
The Yxy color **45.0417, 0.3846, 0.4836** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **9.6985, 0.2033, 0.1324**, and the grayscale version is **40.0424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7645, 0.3751, 0.4554**, and **21.0453, 0.3949, 0.5234** is the 20% darker color. If you saturate the color by 10%, you get **44.5536, 0.3905, 0.5005**, and if you desaturate by 10%, it is **45.6136, 0.3764, 0.4630**.

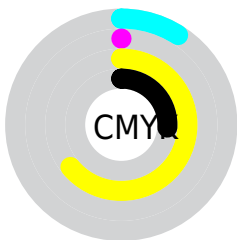
Distribution



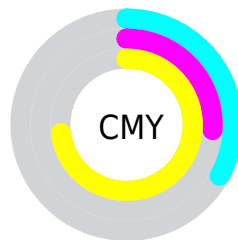
- Red (67%)
- Green (74%)
- Blue (27%)



- Red (27%)
- Yellow (74%)
- Blue (33%)



- Cyan (9%)
- Magenta (0%)
- Yellow (64%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0417, 0.3846, 0.4836 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 45.0417, 0.3846, 0.4836 by changing the saturation by 10% instead.


 45.0417, 0.3846,
0.4836


 45.0417, 0.3846,
0.4836


366.9424, 0.3536,
0.4060


 31.4903, 0.3898,
0.5017


 82.7830, 0.3750,
0.4560


 20.9725, 0.3947,
0.5237


 107.7416, 0.3709,
0.4454

 13.1039, 0.3980,
0.5503

 137.2715, 0.3672,
0.4364

 7.5001, 0.4052,
0.5944

 171.7569, 0.3639,
0.4286

 3.7768, 0.3835,
0.6165

 211.5823, 0.3609,
0.4218

 1.5495, 0.3460,
0.6540

257.1321, 0.3582,

 0.3232, 0.0000,

0.4159

1.0000

308.7907, 0.3558,
0.4106

0.0000, 0.0000,
0.0000

45.0417, 0.3846,
0.4836

45.0417, 0.3846,
0.4836

44.5536, 0.3905,
0.5005

45.6136, 0.3764,
0.4630

44.1357, 0.3939,
0.5132

46.2694, 0.3662,
0.4396

43.7811, 0.3948,
0.5214

47.0170, 0.3548,
0.4146

43.5830, 0.3945,
0.5249

47.8615, 0.3425,
0.3888

48.8077, 0.3299,
0.3631

■ 49.8601, 0.3174,
0.3382

■ 51.0228, 0.3053,
0.3146

■ 52.2998, 0.2938,
0.2926

■ 53.6949, 0.2830,
0.2723

Harmonies

Analogous

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



45.0417, 0.4506, 0.4415



45.0417, 0.3846, 0.4836



45.0417, 0.3041, 0.4758

Triad

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



45.0417, 0.3846, 0.4836



45.0417, 0.1677, 0.2415



45.0417, 0.3906, 0.2653

Complementary

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



45.0417, 0.3846, 0.4836



9.6985, 0.2033, 0.1324

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.



45.0417, 0.3021, 0.2239



45.0417, 0.3846, 0.4836



45.0417, 0.1832, 0.2074

Square

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



45.0417, 0.3846, 0.4836



45.0417, 0.1827, 0.3106



45.0417, 0.2284, 0.2031



45.0417, 0.4608, 0.3205

Rectangle

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



45.0417, 0.3846, 0.4836



45.0417, 0.2527, 0.4335



45.0417, 0.2284, 0.2031



45.0417, 0.3612, 0.2496

Sweetspot

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



45.0438, 0.3846, 0.4836



87.4875, 0.3368, 0.3771



17.4514, 0.4998, 0.3495



18.7104, 0.3404, 0.3845



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.0438, 0.3846, 0.4836



80.3907, 0.3924, 0.5067



39.8313, 0.3324, 0.5150



11.0501, 0.3243, 0.3518



29.6963, 0.3948, 0.5247



1.1823, 0.4011, 0.5197

Inverse Universe

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



9.6985, 0.2033, 0.1324



11.2782, 0.1787, 0.0940



13.6963, 0.2653, 0.1604



9.2885, 0.3005, 0.3054



2.6473, 0.1563, 0.0634



0.1248, 0.1745, 0.0735

Previews

White Background



This preview shows how the Yxy color 45.0417, 0.3846, 0.4836 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 45.0417, 0.3846, 0.4836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

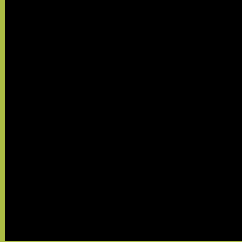
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0417, 0.3846, 0.4836

Background



This preview shows how black text looks on a background with the Yxy color 45.0417, 0.3846, 0.4836.



This preview shows how white text looks on a background with the Yxy color 45.0417, 0.3846, 0.4836.

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

45.0417, 0.3846, 0.4836

Protanopia

44.9012, 0.4203, 0.4614

Deuteranopia

44.7735, 0.4431, 0.4338



Tritanopia

44.9587, 0.3084, 0.3109

Trichromacy



Original Color

45.0417, 0.3846, 0.4836

Protanomaly

44.6681, 0.4069, 0.4697

Deuteranomaly

44.6087, 0.4208, 0.4520

Tritanomaly

44.3015, 0.3397, 0.3753

Monochromacy



Original Color

45.0417, 0.3846, 0.4836

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.2627, 0.3441, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0417, 0.3846, 0.4836 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, 188, 68)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 68)  
}
```

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, 188, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 68) }
```

Border

The CSS property to change the border of an element to Yxy 45.0417, 0.3846, 0.4836 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, 188, 68) }
```

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

```
.border{ border-color:rgb(171, 188, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 68);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0417, 0.3846, 0.4836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 68) }
```

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

```
.background{ background-color: rgb(171,  
188, 68) }
```

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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