

Converting Colors

$Y_{xy}(46.0175, 0.4004, 0.4760)$

Have a look what the booklet for
Yxy(46.0175, 0.4004, 0.4760)
contains.

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Color

Yxy(45.8254, 0.4001, 0.4756)

Conversions

Conversions Part 1

Format	Color
Hex	B9BA42
RGB	185, 186, 66
RGB Percent	73%, 73%, 26%
CMY	0.2745, 0.2706, 0.7409
CMYK	0.01, 0.00, 0.64, 0.27
HSL	61°, 48%, 49%
HSV	61°, 64%, 73%
XYZ	38.5508, 45.8254, 11.9767
YIQ	172.0210, 37.9240, -37.5320

Conversions

Conversions Part 2

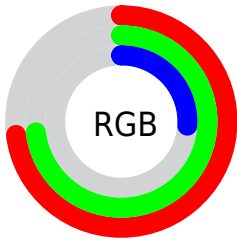
Format	Color
RYB	66, 186, 67
Decimal	12171842
CIELab	73.43, -15.37, 58.37
CIELCh	73, 60.356, 104.753
Yxy	45.8254, 0.4001, 0.4756
Android (android.graphics.Color)	4290361922 (0xFFB9BA42)
YUV	172.0210, -52.2684, 11.3826
Hunter-Lab	67.6945, -16.8128, 36.8964

Details

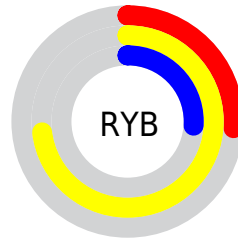
The Yxy color **45.8254, 0.4001, 0.4756** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **8.6448, 0.1898, 0.1249**, and the grayscale version is **41.5253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0934, 0.3880, 0.4504**, and **21.4422, 0.4142, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **45.6230, 0.4082, 0.4894**, and if you desaturate by 10%, it is **46.1034, 0.3896, 0.4579**.

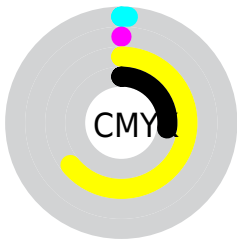
Distribution



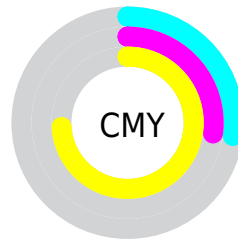
- Red (73%)
- Green (73%)
- Blue (26%)



- Red (26%)
- Yellow (73%)
- Blue (26%)



- Cyan (1%)
- Magenta (0%)
- Yellow (64%)
- Black (27%)



- Cyan (27%)
- Magenta (27%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8254, 0.4001, 0.4756 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 45.8254, 0.4001, 0.4756 by changing the saturation by 10% instead.

 45.8254, 0.4001,
0.4756


 45.8254, 0.4001,
0.4756


370.1063, 0.3614,
0.4038


 32.1081, 0.4072,
0.4917


 83.9576, 0.3878,
0.4506

 21.4441, 0.4144,
0.5107


 109.1413, 0.3826,
0.4408

 13.4490, 0.4208,
0.5330


 138.9159, 0.3780,
0.4324

 7.7384, 0.4316,
0.5684

 173.6658, 0.3739,
0.4251

 3.9280, 0.4170,
0.5830

 213.7754, 0.3702,
0.4188

 1.6334, 0.3922,
0.6078

259.6291, 0.3670,

 0.3800, 0.0000,

0.4132

1.0000

311.6112, 0.3640,
0.4082

■ 0.0000, 0.0000,
0.0000

■ 45.8254, 0.4001,
0.4756

■ 45.8254, 0.4001,
0.4756

■ 45.6230, 0.4082,
0.4894

■ 46.1034, 0.3896,
0.4579

■ 45.4827, 0.4138,
0.4990

■ 46.4569, 0.3772,
0.4370

■ 45.3977, 0.4168,
0.5045

■ 46.8936, 0.3634,
0.4138

■ 45.3646, 0.4179,
0.5064

■ 47.4185, 0.3488,
0.3893

■ 48.0363, 0.3339,
0.3644

■ 48.7513, 0.3192,
0.3398

■ 49.5675, 0.3050,
0.3161

■ 50.4889, 0.2915,
0.2937

■ 51.5190, 0.2790,
0.2729

Harmonies

Analogous

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



45.8254, 0.4594, 0.4282



45.8254, 0.4001, 0.4756



45.8254, 0.3220, 0.4809

Triad

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



45.8254, 0.4001, 0.4756



45.8254, 0.1699, 0.2546



45.8254, 0.3707, 0.2557

Complementary

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



45.8254, 0.4001, 0.4756



8.6448, 0.1898, 0.1249

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.



45.8254, 0.2844, 0.2187



45.8254, 0.4001, 0.4756



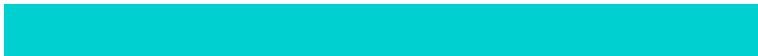
45.8254, 0.1788, 0.2135

Square

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



45.8254, 0.4001, 0.4756



45.8254, 0.1918, 0.3302



45.8254, 0.2172, 0.2032



45.8254, 0.4470, 0.3081

Rectangle

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



45.8254, 0.4001, 0.4756



45.8254, 0.2695, 0.4483



45.8254, 0.2172, 0.2032



45.8254, 0.3412, 0.2413

Sweetspot

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



45.8275, 0.4001, 0.4756



86.5020, 0.3411, 0.3764



14.7374, 0.5186, 0.3296



18.9796, 0.3454, 0.3836



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.



45.8275, 0.4001, 0.4756



82.5811, 0.4106, 0.4936



39.9518, 0.3457, 0.5086



10.4994, 0.3263, 0.3516



30.5202, 0.4179, 0.5064



1.0772, 0.4183, 0.5061

Inverse Universe

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



8.6448, 0.1898, 0.1249



10.1051, 0.1675, 0.0883



11.8872, 0.2458, 0.1504



8.7230, 0.2985, 0.3054



2.3935, 0.1503, 0.0602



0.0856, 0.1516, 0.0609

Previews

White Background



This preview shows how the Yxy color 45.8254, 0.4001, 0.4756 looks on a white background.

Color Contrast Check

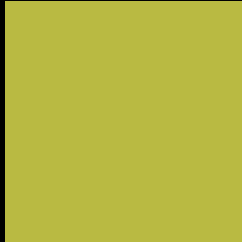
Large Text (above 18pt) WCAG AA × Fail

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 45.8254, 0.4001, 0.4756 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 45.8254, 0.4001, 0.4756

Background



This preview shows how black text looks on a background with the Yxy color 45.8254, 0.4001, 0.4756.



This preview shows how white text looks on a background with the Yxy color 45.8254, 0.4001, 0.4756.

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

45.8254, 0.4001, 0.4756

Protanopia

45.8469, 0.4195, 0.4628

Deuteranopia

45.4280, 0.4459, 0.4362



Tritanopia

45.6387, 0.3206, 0.3115

Trichromacy



Original Color

45.8254, 0.4001, 0.4756

Protanomaly

45.8507, 0.4123, 0.4680

Deuteranomaly

45.1820, 0.4299, 0.4499

Tritanomaly

45.0609, 0.3540, 0.3737

Monochromacy



Original Color

45.8254, 0.4001, 0.4756

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.4848, 0.3496, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8254, 0.4001, 0.4756 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(185, 186, 66)` looks like.

```
.text, #text, p{  
    color:rgb(185, 186, 66)  
}
```

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(185, 186, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 186, 66) }
```

Border

The CSS property to change the border of an element to Yxy 45.8254, 0.4001, 0.4756 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(185, 186, 66) }
```

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

```
.border{ border-color:rgb(185, 186, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 186, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 186, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 186, 66);  
box-shadow:4px 4px 4px 4px rgb(185, 186,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8254, 0.4001, 0.4756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 186, 66) }
```

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

```
.background{ background-color: rgb(185,  
186, 66) }
```

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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