

Converting Colors

$Y_{xy}(46.5782, 0.3792, 0.4406)$

Have a look what the booklet for
Yxy(46.5782, 0.3792, 0.4406)
contains.

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Color

Yxy(46.4770, 0.3802, 0.4405)

Conversions

Conversions Part 1

Format	Color
Hex	BABA64
RGB	186, 186, 100
RGB Percent	73%, 73%, 39%
CMY	0.2705, 0.2706, 0.6078
CMYK	0.00, 0.00, 0.46, 0.27
HSL	60°, 38%, 56%
HSV	60°, 46%, 73%
XYZ	40.1148, 46.4770, 18.9179
YIQ	176.1960, 27.6060, -26.7460

Conversions

Conversions Part 2

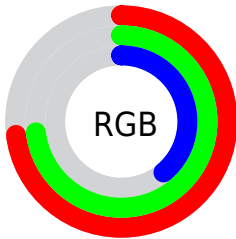
Format	Color
RYB	100, 186, 100
Decimal	12237412
CIELab	73.85, -12.25, 43.32
CIELCh	74, 45.018, 105.789
Yxy	46.4770, 0.3802, 0.4405
Android (android.graphics.Color)	4290427492 (0xFFBABA64)
YUV	176.1960, -37.5646, 8.5981
Hunter-Lab	68.1740, -14.2721, 31.2692

Details

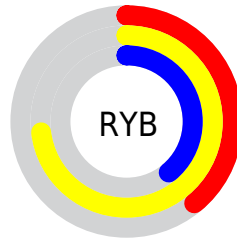
The Yxy color **46.4770, 0.3802, 0.4405** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **15.3816, 0.2264, 0.1864**, and the grayscale version is **43.7166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0373, 0.3695, 0.4200**, and **21.8306, 0.3947, 0.4703** is the 20% darker color. If you saturate the color by 10%, you get **46.1560, 0.3925, 0.4608**, and if you desaturate by 10%, it is **46.8845, 0.3664, 0.4178**.

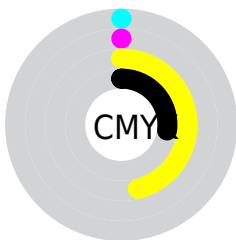
Distribution



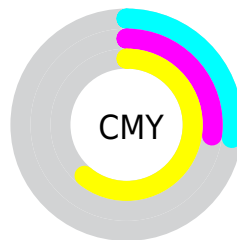
- Red (73%)
- Green (73%)
- Blue (39%)



- Red (39%)
- Yellow (73%)
- Blue (39%)



- Cyan (0%)
- Magenta (0%)
- Yellow (46%)
- Black (27%)



- Cyan (27%)
- Magenta (27%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4770, 0.3802, 0.4405 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 46.4770, 0.3802, 0.4405 by changing the saturation by 10% instead.

 46.4770, 0.3802,
0.4405


 46.4770, 0.3802,
0.4405

372.7230, 0.3486,
0.3847

 32.6224, 0.3870,
0.4539


 84.9324, 0.3694,
0.4205


 21.8373, 0.3949,
0.4706


 110.3020, 0.3652,
0.4129

 13.7374, 0.4038,
0.4916


 140.2788, 0.3615,
0.4064

 7.9383, 0.4130,
0.5182

 175.2470, 0.3582,
0.4008

 4.0555, 0.4322,
0.5678

215.5912, 0.3554,
0.3960

 1.7046, 0.4132,
0.5868

261.6956, 0.3529,

 0.4267, 0.1998,

0.3918

0.8002

313.9448, 0.3506,
0.3880

0.0000, 0.0000,
0.0000

46.4770, 0.3802,
0.4405

46.4770, 0.3802,
0.4405

46.1560, 0.3925,
0.4608

46.8845, 0.3664,
0.4178

45.9094, 0.4027,
0.4777

47.3773, 0.3518,
0.3935

45.7330, 0.4105,
0.4906


47.9622, 0.3367,
0.3687


45.6194, 0.4158,
0.4993

48.6436, 0.3218,
0.3440


45.5589, 0.4186,
0.5039


49.4256, 0.3074,
0.3201

 45.5424, 0.4194,
0.5052

 50.3120, 0.2937,
0.2975

 51.3065, 0.2809,
0.2764

 52.4126, 0.2691,
0.2569

 52.8059, 0.2654,
0.2508

Harmonies

Analogous

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



46.4770, 0.4242, 0.4102



46.4770, 0.3802, 0.4405



46.4770, 0.3205, 0.4378

Triad

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



46.4770, 0.3802, 0.4405



46.4770, 0.2016, 0.2733



46.4770, 0.3589, 0.2741

Complementary

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



46.4770, 0.3802, 0.4405



15.3816, 0.2264, 0.1864

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.



46.4770, 0.2946, 0.2438



46.4770, 0.3802, 0.4405



46.4770, 0.2093, 0.2402

Square

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



46.4770, 0.3802, 0.4405



46.4770, 0.2195, 0.3296



46.4770, 0.2413, 0.2312



46.4770, 0.4138, 0.3168

Rectangle

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



46.4770, 0.3802, 0.4405



46.4770, 0.2802, 0.4127



46.4770, 0.2413, 0.2312



46.4770, 0.3373, 0.2623

Sweetspot

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



46.4791, 0.3802, 0.4405



87.1375, 0.3337, 0.3637



20.5095, 0.4339, 0.3274



19.1336, 0.3370, 0.3691



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.



46.4791, 0.3802, 0.4405



83.6484, 0.3921, 0.4601



42.0211, 0.3419, 0.4568



10.5028, 0.3264, 0.3516



30.6292, 0.4194, 0.5052



1.0799, 0.4194, 0.5052

Inverse Universe

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



15.3816, 0.2264, 0.1864



20.6288, 0.2060, 0.1526



18.3794, 0.2675, 0.2006



8.7200, 0.2984, 0.3054



2.3864, 0.1500, 0.0600



0.0843, 0.1501, 0.0602

Previews

White Background



This preview shows how the Yxy color 46.4770, 0.3802, 0.4405 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 46.4770, 0.3802, 0.4405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

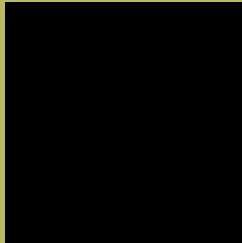
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4770, 0.3802, 0.4405

Background



This preview shows how black text looks on a background with the Yxy color 46.4770, 0.3802, 0.4405.



This preview shows how white text looks on a background with the Yxy color 46.4770, 0.3802, 0.4405.

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

46.4770, 0.3802, 0.4405

Protanopia

46.6171, 0.3971, 0.4330

Deuteranopia

46.2386, 0.4188, 0.4102



Tritanopia

46.5041, 0.3188, 0.3115

Trichromacy



Original Color

46.4770, 0.3802, 0.4405

Protanomaly

46.3699, 0.3910, 0.4349

Deuteranomaly

46.2100, 0.4041, 0.4213

Tritanomaly

46.2833, 0.3424, 0.3590

Monochromacy



Original Color

46.4770, 0.3802, 0.4405

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4839, 0.3390, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4770, 0.3802, 0.4405 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(186, 186, 100)` looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 100)  
}
```

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(186, 186, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 100) }
```

Border

The CSS property to change the border of an element to Yxy 46.4770, 0.3802, 0.4405 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(186, 186, 100) }
```

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

```
.border{ border-color:rgb(186, 186, 100) }
```

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

Here you see how a box with a 4 pixel rgb(186, 186, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 100);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4770, 0.3802, 0.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 186, 100) }
```

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

```
.background{ background-color: rgb(186,  
186, 100) }
```

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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