

Converting Colors

$Y_{xy}(46.8485, 0.3855, 0.4246)$

Have a look what the booklet for
Yxy(46.8485, 0.3855, 0.4246)
contains.

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Color

Yxy(46.6854, 0.3853, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	C4B76C
RGB	196, 183, 108
RGB Percent	77%, 72%, 42%
CMY	0.2314, 0.2823, 0.5764
CMYK	0.00, 0.07, 0.45, 0.23
HSL	51°, 43%, 60%
HSV	51°, 45%, 77%
XYZ	42.4043, 46.6854, 20.9655
YIQ	178.3370, 31.8230, -20.5690

Conversions

Conversions Part 2

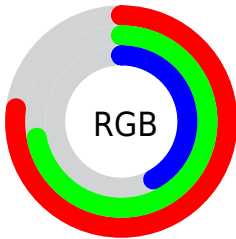
Format	Color
RYB	123, 196, 108
Decimal	12892012
CIELab	73.99, -5.82, 39.66
CIELCh	74, 40.087, 98.353
Yxy	46.6854, 0.3853, 0.4242
Android (android.graphics.Color)	4291082092 (0xFFC4B76C)
YUV	178.3370, -34.6761, 15.4905
Hunter-Lab	68.3267, -8.7928, 29.6360

Details

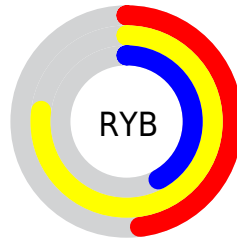
The Yxy color **46.6854, 0.3853, 0.4242** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.8476, 0.2325, 0.2109**, and the grayscale version is **44.8844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3770, 0.3729, 0.4073**, and **21.9335, 0.4038, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **45.1348, 0.4012, 0.4429**, and if you desaturate by 10%, it is **48.3587, 0.3686, 0.4036**.

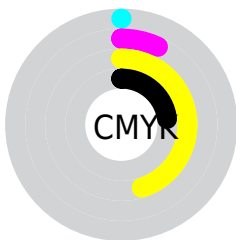
Distribution



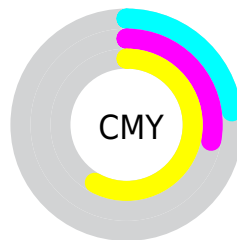
- Red (77%)
- Green (72%)
- Blue (42%)



- Red (48%)
- Yellow (77%)
- Blue (42%)



- Cyan (0%)
- Magenta (7%)
- Yellow (45%)
- Black (23%)



- Cyan (23%)
- Magenta (28%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6854, 0.3853, 0.4242 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 46.6854, 0.3853, 0.4242 by changing the saturation by 10% instead.


 46.6854, 0.3853,
0.4242

 46.6854, 0.3853,
0.4242

373.5574, 0.3504,
0.3771

 32.7870, 0.3932,
0.4354


 85.2438, 0.3731,
0.4074


 21.9633, 0.4028,
0.4493


 110.6727, 0.3684,
0.4010

 13.8300, 0.4143,
0.4667


 140.7138, 0.3644,
0.3955

 8.0025, 0.4277,
0.4886

 175.7516, 0.3608,
0.3908

 4.0965, 0.4545,
0.5301

216.1704, 0.3577,
0.3867

 1.7277, 0.4529,
0.5471

262.3548, 0.3550,

 0.4415, 0.3859,

0.3831

0.6141

314.6889, 0.3526,
0.3800

0.0000, 0.0000,
0.0000

46.6854, 0.3853,
0.4242

46.6854, 0.3853,
0.4242

45.1348, 0.4012,
0.4429

48.3587, 0.3686,
0.4036

43.6939, 0.4158,
0.4588

50.1540, 0.3519,
0.3820

42.3574, 0.4282,
0.4709


52.0791, 0.3356,
0.3603


41.1171, 0.4381,
0.4786

54.1389, 0.3200,
0.3391

39.9627, 0.4452,
0.4818


56.3383, 0.3054,
0.3188

 39.3959, 0.4481,
0.4824

 58.6817, 0.2920,
0.2996

 61.1734, 0.2797,
0.2819

 63.1698, 0.2741,
0.2752

 64.5769, 0.2743,
0.2784

Harmonies

Analogous

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



46.6854, 0.4185, 0.3935



46.6854, 0.3853, 0.4242



46.6854, 0.3342, 0.4290

Triad

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



46.6854, 0.3853, 0.4242



46.6854, 0.2145, 0.2908



46.6854, 0.3399, 0.2716

Complementary

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



46.6854, 0.3853, 0.4242



20.8476, 0.2325, 0.2109

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.



46.6854, 0.2836, 0.2476



46.6854, 0.3853, 0.4242



46.6854, 0.2156, 0.2549

Square

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



46.6854, 0.3853, 0.4242



46.6854, 0.2368, 0.3444



46.6854, 0.2395, 0.2410



46.6854, 0.3924, 0.3083

Rectangle

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



46.6854, 0.3853, 0.4242



46.6854, 0.2974, 0.4125



46.6854, 0.2395, 0.2410



46.6854, 0.3206, 0.2619

Sweetspot

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



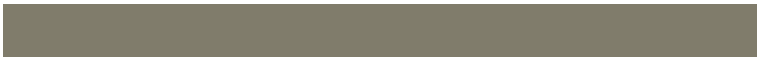
46.6876, 0.3853, 0.4242



94.9636, 0.3329, 0.3567



23.8475, 0.4128, 0.3116



20.1523, 0.3364, 0.3615



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.6876, 0.3853, 0.4242



81.7823, 0.4012, 0.4429



48.5805, 0.3514, 0.4492



11.4968, 0.3268, 0.3485



25.4144, 0.4476, 0.4828



1.1686, 0.4404, 0.4885

Inverse Universe

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



20.8476, 0.2325, 0.2109



29.0922, 0.2128, 0.1796



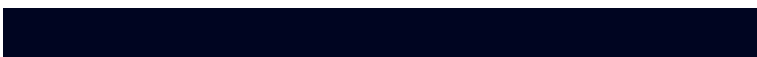
20.1843, 0.2572, 0.2001



9.9826, 0.2983, 0.3088



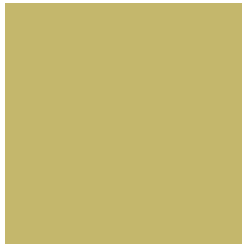
3.2023, 0.1537, 0.0732



0.2169, 0.1632, 0.1073

Previews

White Background



This preview shows how the Yxy color 46.6854, 0.3853, 0.4242 looks on a white background.

Color Contrast Check

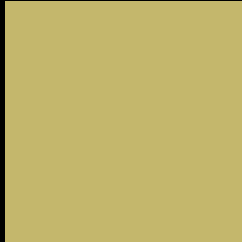
Large Text (above 18pt) WCAG AA × Fail

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 46.6854, 0.3853, 0.4242 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 46.6854, 0.3853, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 46.6854, 0.3853, 0.4242.



This preview shows how white text looks on a background with the Yxy color 46.6854, 0.3853, 0.4242.

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

46.6854, 0.3853, 0.4242

Protanopia

46.6807, 0.3887, 0.4221

Deuteranopia

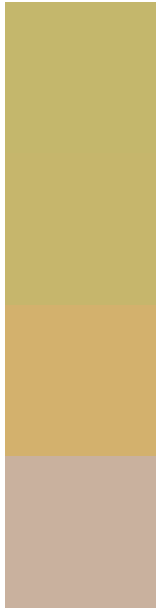
46.6135, 0.4116, 0.4042



Tritanopia

46.6973, 0.3286, 0.3131

Trichromacy



Original Color

46.6854, 0.3853, 0.4242

Protanomaly

46.5444, 0.3877, 0.4224

Deuteranomaly

46.3973, 0.4021, 0.4114

Tritanomaly

46.3304, 0.3505, 0.3532

Monochromacy



Original Color

46.6854, 0.3853, 0.4242

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.2567, 0.3394, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6854, 0.3853, 0.4242 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(196, 183, 108)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 108)  
}
```

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(196, 183, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 108) }
```

Border

The CSS property to change the border of an element to Yxy 46.6854, 0.3853, 0.4242 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(196, 183, 108) }
```

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

```
.border{ border-color:rgb(196, 183, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 183, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 108);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6854, 0.3853, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 183, 108) }
```

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

```
.background{ background-color: rgb(196,  
183, 108) }
```

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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