

Converting Colors

$Y_{xy}(48.5371, 0.3823, 0.4252)$

Have a look what the booklet for
Yxy(48.5371, 0.3823, 0.4252)
contains.

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Color

Yxy(48.5587, 0.3819, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	C5BB6F
RGB	197, 187, 111
RGB Percent	77%, 73%, 44%
CMY	0.2275, 0.2666, 0.5647
CMYK	0.00, 0.05, 0.44, 0.23
HSL	53°, 43%, 60%
HSV	53°, 44%, 77%
XYZ	43.6651, 48.5587, 22.1127
YIQ	181.3260, 30.3560, -21.5160

Conversions

Conversions Part 2

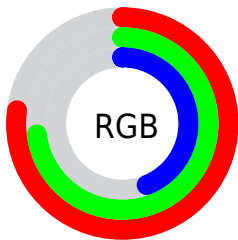
Format	Color
RYB	122, 197, 111
Decimal	12958575
CIELab	75.18, -7.19, 39.64
CIELCh	75, 40.288, 100.286
Yxy	48.5587, 0.3819, 0.4247
Android (android.graphics.Color)	4291148655 (0xFFC5BB6F)
YUV	181.3260, -34.6707, 13.7461
Hunter-Lab	69.6841, -10.0963, 29.9645

Details

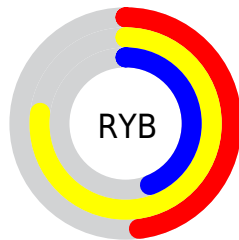
The Yxy color **48.5587, 0.3819, 0.4247** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.0859, 0.2342, 0.2104**, and the grayscale version is **46.5745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0415, 0.3704, 0.4077**, and **23.1379, 0.3988, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **47.2103, 0.3972, 0.4442**, and if you desaturate by 10%, it is **50.0227, 0.3658, 0.4033**.

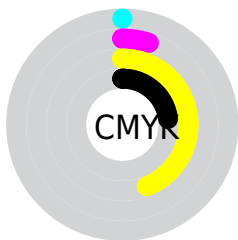
Distribution



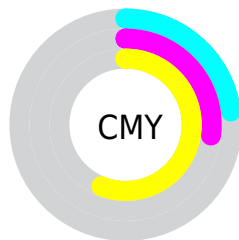
- Red (77%)
- Green (73%)
- Blue (44%)



- Red (48%)
- Yellow (77%)
- Blue (44%)



- Cyan (0%)
- Magenta (5%)
- Yellow (44%)
- Black (23%)





- Cyan (23%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5587, 0.3819, 0.4247 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 48.5587, 0.3819, 0.4247 by changing the saturation by 10% instead.


 48.5587, 0.3819,
0.4247

 48.5587, 0.3819,
0.4247


381.0024, 0.3490,
0.3775


 34.2695, 0.3893,
0.4359


 88.0357, 0.3705,
0.4079

 23.1007, 0.3982,
0.4498


 113.9923, 0.3660,
0.4015

 14.6679, 0.4089,
0.4674


 144.6068, 0.3622,
0.3960

 8.5867, 0.4213,
0.4896

 180.2637, 0.3588,
0.3912

 4.4726, 0.4422,
0.5268

221.3473, 0.3559,
0.3871

 1.9413, 0.4462,
0.5538

268.2420, 0.3533,

 0.5730, 0.3917,

0.3835

0.6083

321.3323, 0.3510,
0.3803

0.0000, 0.0000,
0.0000

48.5587, 0.3819,
0.4247

48.5587, 0.3819,
0.4247

47.2103, 0.3972,
0.4442

50.0227, 0.3658,
0.4033

45.9644, 0.4111,
0.4609

51.6016, 0.3495,
0.3811

44.8161, 0.4228,
0.4738


53.3028, 0.3334,
0.3587


43.7570, 0.4320,
0.4824


55.1315, 0.3181,
0.3368

42.7771, 0.4384,
0.4866

57.0923, 0.3037,
0.3158

 42.1841, 0.4414,
0.4877

 59.1897, 0.2903,
0.2962

 61.4280, 0.2781,
0.2779

 62.9034, 0.2747,
0.2743

 64.0086, 0.2749,
0.2769

Harmonies

Analogous

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



48.5587, 0.4163, 0.3956



48.5587, 0.3819, 0.4247



48.5587, 0.3306, 0.4272

Triad

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



48.5587, 0.3819, 0.4247



48.5587, 0.2146, 0.2882



48.5587, 0.3434, 0.2740

Complementary

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



48.5587, 0.3819, 0.4247



21.0859, 0.2342, 0.2104

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.



48.5587, 0.2872, 0.2492



48.5587, 0.3819, 0.4247



48.5587, 0.2172, 0.2540

Square

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



48.5587, 0.3819, 0.4247



48.5587, 0.2353, 0.3406



48.5587, 0.2423, 0.2415



48.5587, 0.3945, 0.3111

Rectangle

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



48.5587, 0.3819, 0.4247



48.5587, 0.2941, 0.4094



48.5587, 0.2423, 0.2415



48.5587, 0.3242, 0.2641

Sweetspot

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



48.5609, 0.3819, 0.4247



95.6132, 0.3327, 0.3577



24.6224, 0.4126, 0.3159



20.3143, 0.3363, 0.3626



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.



48.5609, 0.3819, 0.4247



84.7570, 0.3960, 0.4426



48.9747, 0.3481, 0.4468



12.1985, 0.3268, 0.3492



27.8269, 0.4411, 0.4880



1.3788, 0.4360, 0.4920

Inverse Universe

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



21.0859, 0.2342, 0.2104



29.5079, 0.2157, 0.1809



21.3289, 0.2619, 0.2049



10.4826, 0.2983, 0.3079



3.1159, 0.1526, 0.0693



0.2156, 0.1601, 0.0961

Previews

White Background



This preview shows how the Yxy color 48.5587, 0.3819, 0.4247 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 48.5587, 0.3819, 0.4247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

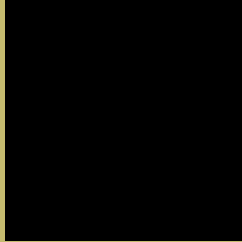
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5587, 0.3819, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 48.5587, 0.3819, 0.4247.



This preview shows how white text looks on a background with the Yxy color 48.5587, 0.3819, 0.4247.

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

48.5587, 0.3819, 0.4247

Protanopia

48.5202, 0.3893, 0.4217

Deuteranopia

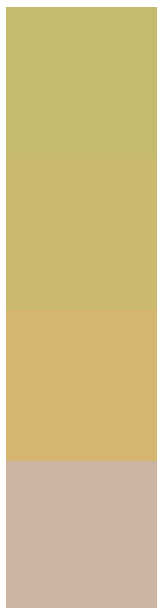
48.4838, 0.4110, 0.4030



Tritanopia

48.3277, 0.3266, 0.3121

Trichromacy



Original Color

48.5587, 0.3819, 0.4247

Protanomaly

48.6611, 0.3869, 0.4234

Deuteranomaly

48.5137, 0.4002, 0.4115

Tritanomaly

48.3529, 0.3479, 0.3529

Monochromacy



Original Color

48.5587, 0.3819, 0.4247

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.8321, 0.3381, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5587, 0.3819, 0.4247 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(197, 187, 111)` looks like.

```
.text, #text, p{  
    color:rgb(197, 187, 111)  
}
```

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(197, 187, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 187, 111) }
```

Border

The CSS property to change the border of an element to Yxy 48.5587, 0.3819, 0.4247 is called "border". The border property can be set on classes, ids or directly on the HTML element.

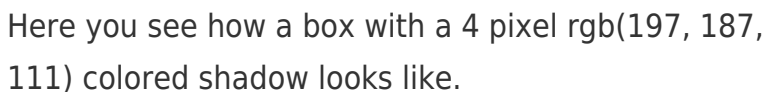
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 187, 111) }
```

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

```
.border{ border-color:rgb(197, 187, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 187, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 187, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 187, 111); box-shadow:4px 4px 4px 4px rgb(197, 187, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5587, 0.3819, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 187, 111) }
```

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

```
.background{ background-color: rgb(197,  
187, 111) }
```

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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