

Converting Colors

$Y_{xy}(42.7851, 0.3810, 0.4194)$

Have a look what the booklet for
Yxy(42.7851, 0.3810, 0.4194)
contains.

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Color

Yxy(42.8247, 0.3813, 0.4190)

Conversions

Conversions Part 1

Format	Color
Hex	BCB06C
RGB	188, 176, 108
RGB Percent	74%, 69%, 42%
CMY	0.2628, 0.3098, 0.5763
CMYK	0.00, 0.06, 0.43, 0.26
HSL	51°, 37%, 58%
HSV	51°, 43%, 74%
XYZ	38.9715, 42.8247, 20.4107
YIQ	171.8360, 28.9800, -18.6040

Conversions

Conversions Part 2

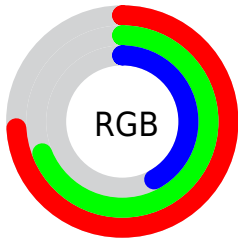
Format	Color
RYB	122, 188, 108
Decimal	12365932
CIELab	71.44, -5.42, 36.29
CIELCh	71, 36.692, 98.500
Yxy	42.8247, 0.3813, 0.4190
Android (android.graphics.Color)	4290556012 (0xFFBCB06C)
YUV	171.8360, -31.4711, 14.1758
Hunter-Lab	65.4406, -8.2198, 27.3160

Details

The Yxy color **42.8247, 0.3813, 0.4190** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.2615, 0.2375, 0.2189**, and the grayscale version is **41.3210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1024, 0.3696, 0.4028**, and **19.7176, 0.3980, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **41.3744, 0.3975, 0.4382**, and if you desaturate by 10%, it is **44.3882, 0.3646, 0.3982**.

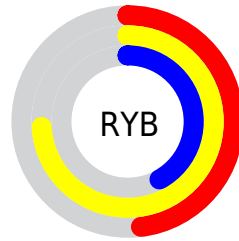
Distribution



Red (74%)

Green (69%)

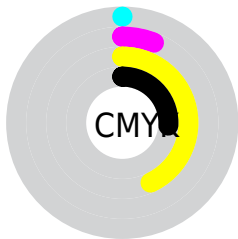
Blue (42%)



Red (48%)

Yellow (74%)

Blue (42%)

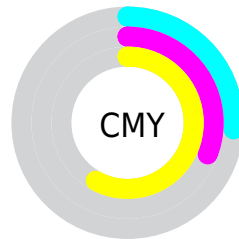


Cyan (0%)

Magenta (6%)

Yellow (43%)

Black (26%)



Cyan (26%)

Magenta (31%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8247, 0.3813, 0.4190 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 42.8247, 0.3813, 0.4190 by changing the saturation by 10% instead.

 42.8247, 0.3813,
0.4190


 42.8247, 0.3813,
0.4190


357.8904, 0.3477,
0.3737


 29.7476, 0.3891,
0.4300


 79.4463, 0.3694,
0.4027


 19.6471, 0.3988,
0.4439


 103.7595, 0.3648,
0.3965

 12.1388, 0.4106,
0.4616


 132.5869, 0.3609,
0.3912

 6.8383, 0.4248,
0.4844

 166.3129, 0.3576,
0.3867

 3.3612, 0.4583,
0.5343

205.3218, 0.3546,
0.3828

 1.3231, 0.4522,
0.5478

249.9981, 0.3520,

 0.1590, 0.1052,

0.3794

0.8948

300.7262, 0.3497,
0.3764

0.0000, 0.0000,
0.0000

42.8247, 0.3813,
0.4190

42.8247, 0.3813,
0.4190

41.3744, 0.3975,
0.4382

44.3882, 0.3646,
0.3982

40.0257, 0.4125,
0.4548

46.0642, 0.3479,
0.3766

38.7742, 0.4256,
0.4679

47.8596, 0.3317,
0.3551

37.6124, 0.4362,
0.4767

49.7788, 0.3164,
0.3341

36.5318, 0.4440,
0.4810

51.8261, 0.3022,
0.3142

■ 35.7646, 0.4485,
0.4821

■ 54.0056, 0.2890,
0.2955

■ 56.3210, 0.2770,
0.2782

■ 58.5526, 0.2681,
0.2656

■ 59.8580, 0.2684,
0.2689

Harmonies

Analogous

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



42.8247, 0.4125, 0.3906



42.8247, 0.3813, 0.4190



42.8247, 0.3331, 0.4227

Triad

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



42.8247, 0.3813, 0.4190



42.8247, 0.2196, 0.2931



42.8247, 0.3387, 0.2747

Complementary

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



42.8247, 0.3813, 0.4190



20.2615, 0.2375, 0.2189

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.



42.8247, 0.2856, 0.2518



42.8247, 0.3813, 0.4190



42.8247, 0.2207, 0.2590

Square

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



42.8247, 0.3813, 0.4190



42.8247, 0.2409, 0.3434



42.8247, 0.2437, 0.2456



42.8247, 0.3880, 0.3098

Rectangle

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



42.8247, 0.3813, 0.4190



42.8247, 0.2983, 0.4070



42.8247, 0.2437, 0.2456



42.8247, 0.3205, 0.2655

Sweetspot

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



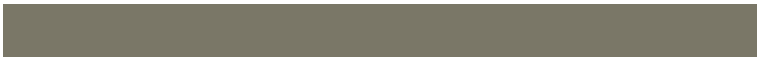
42.8267, 0.3813, 0.4190



86.5163, 0.3328, 0.3565



22.7815, 0.4046, 0.3125



18.4467, 0.3363, 0.3613



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.



42.8267, 0.3813, 0.4190



75.1680, 0.3964, 0.4370



44.5214, 0.3496, 0.4423



10.8701, 0.3268, 0.3484



24.4388, 0.4481, 0.4824



1.0245, 0.4402, 0.4887

Inverse Universe

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



20.2615, 0.2375, 0.2189



28.9402, 0.2190, 0.1899



19.6010, 0.2610, 0.2079



9.4501, 0.2984, 0.3089



3.1132, 0.1538, 0.0737



0.1964, 0.1640, 0.1104

Previews

White Background



This preview shows how the Yxy color 42.8247, 0.3813, 0.4190 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 42.8247, 0.3813, 0.4190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

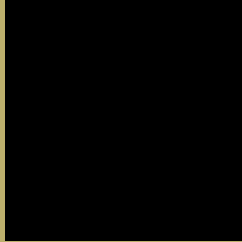
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8247, 0.3813, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 42.8247, 0.3813, 0.4190.



This preview shows how white text looks on a background with the Yxy color 42.8247, 0.3813, 0.4190.

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

42.8247, 0.3813, 0.4190

Protanopia

42.8190, 0.3848, 0.4169

Deuteranopia

42.6121, 0.4073, 0.3990



Tritanopia

42.6685, 0.3283, 0.3125

Trichromacy



Original Color

42.8247, 0.3813, 0.4190

Protanomaly

42.6898, 0.3838, 0.4172

Deuteranomaly

42.5501, 0.3985, 0.4060

Tritanomaly

42.4200, 0.3483, 0.3501

Monochromacy



Original Color

42.8247, 0.3813, 0.4190

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.5220, 0.3378, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8247, 0.3813, 0.4190 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(188, 176, 108)` looks like.

```
.text, #text, p{  
    color:rgb(188, 176, 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(188, 176, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 176, 108) }
```

Border

The CSS property to change the border of an element to Yxy 42.8247, 0.3813, 0.4190 is called "border". The border property can be set on classes, ids or directly on the HTML element.

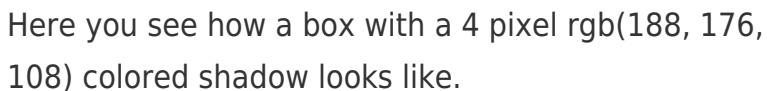
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 176, 108) }
```

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

```
.border{ border-color:rgb(188, 176, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 176, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 176, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 176, 108);  
box-shadow:4px 4px 4px 4px rgb(188, 176,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8247, 0.3813, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 176, 108) }
```

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

```
.background{ background-color: rgb(188,  
176, 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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