

Converting Colors

$Yxy(47.6152, 0.3814, 0.4146)$

Have a look what the booklet for
Yxy(47.6152, 0.3814, 0.4146)
contains.

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Color

Yxy(47.6840, 0.3814, 0.4148)

Conversions

Conversions Part 1

Format	Color
Hex	C7B874
RGB	199, 184, 116
RGB Percent	78%, 72%, 45%
CMY	0.2197, 0.2784, 0.5449
CMYK	0.00, 0.08, 0.42, 0.22
HSL	49°, 43%, 62%
HSV	49°, 42%, 78%
XYZ	43.8444, 47.6840, 23.4282
YIQ	180.7330, 30.7680, -17.9680

Conversions

Conversions Part 2

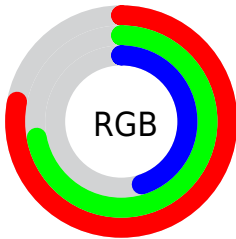
Format	Color
RYB	134, 199, 116
Decimal	13088884
CIELab	74.63, -4.29, 36.40
CIELCh	75, 36.657, 96.725
Yxy	47.6840, 0.3814, 0.4148
Android (android.graphics.Color)	4291278964 (0xFFC7B874)
YUV	180.7330, -31.9134, 16.0202
Hunter-Lab	69.0536, -7.5082, 28.2219

Details

The Yxy color **47.6840, 0.3814, 0.4148** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.0753, 0.2395, 0.2249**, and the grayscale version is **46.2216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4447, 0.3683, 0.4001**, and **22.5552, 0.3994, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **45.7977, 0.3984, 0.4337**, and if you desaturate by 10%, it is **49.7118, 0.3640, 0.3944**.

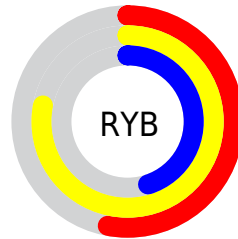
Distribution



Red (78%)

Green (72%)

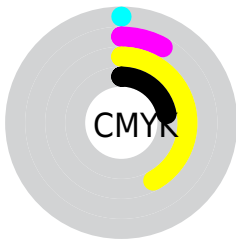
Blue (45%)



Red (53%)

Yellow (78%)

Blue (45%)

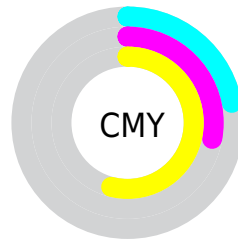


Cyan (0%)

Magenta (8%)

Yellow (42%)

Black (22%)



Cyan (22%)


Magenta (28%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6840, 0.3814, 0.4148 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 47.6840, 0.3814, 0.4148 by changing the saturation by 10% instead.


 47.6840, 0.3814,
0.4148

 47.6840, 0.3814,
0.4148


377.5382, 0.3482,
0.3725


 33.5767, 0.3891,
0.4249


 86.7337, 0.3697,
0.3997

 22.5686, 0.3984,
0.4375


 112.4450, 0.3652,
0.3939

 14.2753, 0.4100,
0.4534


 142.7929, 0.3614,
0.3890

 8.3124, 0.4242,
0.4737

178.1621, 0.3580,
0.3848

 4.2955, 0.4454,
0.5049

218.9368, 0.3551,
0.3811

 1.8402, 0.4626,
0.5374

265.5015, 0.3525,

 0.5120, 0.4272,

0.3779

0.5728

318.2405, 0.3502,
0.3750

0.0000, 0.0000,
0.0000

47.6840, 0.3814,
0.4148

47.6840, 0.3814,
0.4148

45.7977, 0.3984,
0.4337

49.7118, 0.3640,
0.3944

44.0397, 0.4145,
0.4501

51.8805, 0.3470,
0.3734

42.4047, 0.4288,
0.4631


54.1981, 0.3306,
0.3525

40.8842, 0.4406,
0.4718

56.6698, 0.3152,
0.3323

39.4683, 0.4497,
0.4760


59.3006, 0.3009,
0.3131

 38.3550, 0.4555,
0.4766

 62.0952, 0.2879,
0.2952

 65.0368, 0.2763,
0.2788

 66.8213, 0.2766,
0.2829

 68.6458, 0.2769,
0.2869

Harmonies

Analogous

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



47.6840, 0.4100, 0.3867



47.6840, 0.3814, 0.4148



47.6840, 0.3355, 0.4198

Triad

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



47.6840, 0.3814, 0.4148



47.6840, 0.2233, 0.2971



47.6840, 0.3348, 0.2748

Complementary

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



47.6840, 0.3814, 0.4148



24.0753, 0.2395, 0.2249

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.



47.6840, 0.2838, 0.2535



47.6840, 0.3814, 0.4148



47.6840, 0.2231, 0.2629

Square

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



47.6840, 0.3814, 0.4148



47.6840, 0.2453, 0.3460



47.6840, 0.2441, 0.2486



47.6840, 0.3829, 0.3083

Rectangle

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



47.6840, 0.3814, 0.4148



47.6840, 0.3019, 0.4058



47.6840, 0.2441, 0.2486



47.6840, 0.3172, 0.2661

Sweetspot

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



47.6862, 0.3814, 0.4148



94.2867, 0.3330, 0.3556



26.2855, 0.3988, 0.3091



19.9836, 0.3366, 0.3603



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.



47.6862, 0.3814, 0.4148



80.5083, 0.3968, 0.4320



50.9528, 0.3515, 0.4395



12.0787, 0.3270, 0.3478



24.7851, 0.4549, 0.4770



1.2610, 0.4462, 0.4839

Inverse Universe

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



24.0753, 0.2395, 0.2249



33.7490, 0.2218, 0.1977



22.4010, 0.2594, 0.2093



10.5920, 0.2983, 0.3095



3.5531, 0.1549, 0.0778



0.2655, 0.1651, 0.1142

Previews

White Background



This preview shows how the Yxy color 47.6840, 0.3814, 0.4148 looks on a white background.

Color Contrast Check

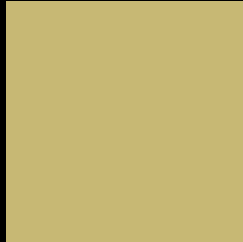
Large Text (above 18pt) WCAG AA × Fail

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 47.6840, 0.3814, 0.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

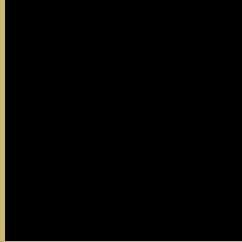
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6840, 0.3814, 0.4148

Background



This preview shows how black text looks on a background with the Yxy color 47.6840, 0.3814, 0.4148.

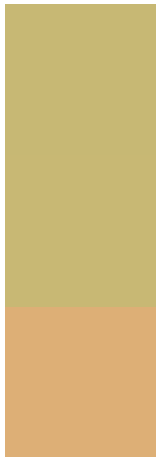


This preview shows how white text looks on a background with the Yxy color 47.6840, 0.3814, 0.4148.

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

47.6840, 0.3814, 0.4148

Protanopia

47.8213, 0.3824, 0.4145

Deuteranopia

47.3401, 0.4052, 0.3962



Tritanopia

47.5995, 0.3294, 0.3121

Trichromacy



Original Color

47.6840, 0.3814, 0.4148

Protanomaly

47.8213, 0.3824, 0.4145

Deuteranomaly

47.2713, 0.3969, 0.4028

Tritanomaly

47.2868, 0.3495, 0.3491

Monochromacy



Original Color

47.6840, 0.3814, 0.4148

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.5816, 0.3383, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6840, 0.3814, 0.4148 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(199, 184, 116)` looks like.

```
.text, #text, p{  
    color:rgb(199, 184, 116)  
}
```

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(199, 184, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 184, 116) }
```

Border

The CSS property to change the border of an element to Yxy 47.6840, 0.3814, 0.4148 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(199, 184, 116) }
```

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

```
.border{ border-color:rgb(199, 184, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 184, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 184, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 184, 116);  
box-shadow:4px 4px 4px 4px rgb(199, 184,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6840, 0.3814, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 184, 116) }
```

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

```
.background{ background-color: rgb(199,  
184, 116) }
```

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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