

Converting Colors

$Y_{xy}(47.1396, 0.3883, 0.4249)$

Have a look what the booklet for
Yxy(47.1396, 0.3883, 0.4249)
contains.

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Color

Yxy(47.0706, 0.3889, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	C7B76B
RGB	199, 183, 107
RGB Percent	78%, 72%, 42%
CMY	0.2196, 0.2824, 0.5804
CMYK	0.00, 0.08, 0.46, 0.22
HSL	50°, 45%, 60%
HSV	50°, 46%, 78%
XYZ	43.1434, 47.0706, 20.7230
YIQ	179.1200, 33.9320, -20.2440

Conversions

Conversions Part 2

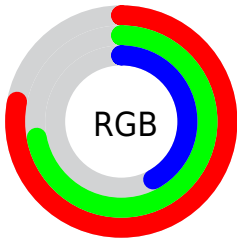
Format	Color
RYB	126, 199, 107
Decimal	13088619
CIELab	74.23, -4.68, 40.53
CIELCh	74, 40.803, 96.587
Yxy	47.0706, 0.3889, 0.4243
Android (android.graphics.Color)	4291278699 (0xFFC7B76B)
YUV	179.1200, -35.5552, 17.4348
Hunter-Lab	68.6080, -7.8162, 30.1171

Details

The Yxy color **47.0706, 0.3889, 0.4243** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.4215, 0.2304, 0.2104**, and the grayscale version is **45.3285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5311, 0.3743, 0.4080**, and **22.1003, 0.4073, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **45.2896, 0.4054, 0.4423**, and if you desaturate by 10%, it is **48.9876, 0.3717, 0.4043**.

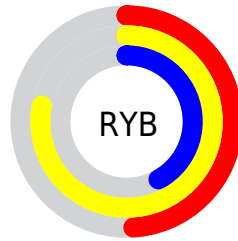
Distribution



Red (78%)

Green (72%)

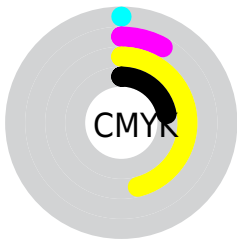
Blue (42%)



Red (49%)

Yellow (78%)

Blue (42%)

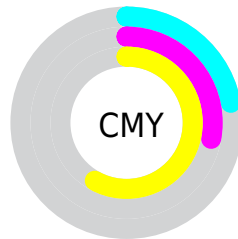


Cyan (0%)

Magenta (8%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (28%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0706, 0.3889, 0.4243 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 47.0706, 0.3889, 0.4243 by changing the saturation by 10% instead.


 47.0706, 0.3889,
0.4243

 47.0706, 0.3889,
0.4243

375.0963, 0.3523,
0.3775


 33.0915, 0.3972,
0.4353


 85.8190, 0.3762,
0.4077


 22.1965, 0.4072,
0.4489

 111.3571, 0.3712,
0.4013

 14.0014, 0.4192,
0.4658

 141.5169, 0.3669,
0.3959

 8.1216, 0.4334,
0.4868

 176.6829, 0.3632,
0.3912

 4.1729, 0.4617,
0.5273

217.2394, 0.3600,
0.3871

 1.7707, 0.4600,
0.5400

263.5709, 0.3571,

 0.4688, 0.4141,

0.3835

0.5859

316.0617, 0.3546,
0.3803

0.0000, 0.0000,
0.0000

47.0706, 0.3889,
0.4243

47.0706, 0.3889,
0.4243

45.2896, 0.4054,
0.4423

48.9876, 0.3717,
0.4043

43.6310, 0.4205,
0.4574

51.0402, 0.3546,
0.3834

42.0891, 0.4336,
0.4686

53.2366, 0.3379,
0.3622

40.6551, 0.4440,
0.4753

55.5821, 0.3221,
0.3415

39.3173, 0.4515,
0.4775

58.0817, 0.3073,
0.3216

■ 38.8298, 0.4540,
0.4777

■ 60.7403, 0.2937,
0.3030

■ 63.5624, 0.2813,
0.2856

■ 65.8086, 0.2764,
0.2806

■ 67.5451, 0.2767,
0.2845

Harmonies

Analogous

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



47.0706, 0.4211, 0.3920



47.0706, 0.3889, 0.4243



47.0706, 0.3377, 0.4313

Triad

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



47.0706, 0.3889, 0.4243



47.0706, 0.2138, 0.2930



47.0706, 0.3368, 0.2689

Complementary

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



47.0706, 0.3889, 0.4243



21.4215, 0.2304, 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.



47.0706, 0.2800, 0.2456



47.0706, 0.3889, 0.4243



47.0706, 0.2136, 0.2554

Square

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



47.0706, 0.3889, 0.4243



47.0706, 0.2378, 0.3480



47.0706, 0.2365, 0.2400



47.0706, 0.3910, 0.3055

Rectangle

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



47.0706, 0.3889, 0.4243



47.0706, 0.3003, 0.4160



47.0706, 0.2365, 0.2400



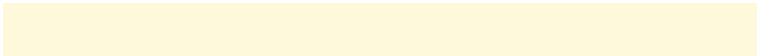
47.0706, 0.3172, 0.2594

Sweetspot

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



47.0728, 0.3889, 0.4243



94.0098, 0.3346, 0.3580



24.1130, 0.4132, 0.3071



19.9346, 0.3382, 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.



47.0728, 0.3889, 0.4243



79.4148, 0.4047, 0.4416



50.4472, 0.3550, 0.4519



12.0907, 0.3269, 0.3479



25.0787, 0.4534, 0.4782



1.2725, 0.4451, 0.4847

Inverse Universe

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



21.4215, 0.2304, 0.2104



29.3594, 0.2118, 0.1810



19.8873, 0.2520, 0.1947



10.5810, 0.2983, 0.3093



3.5013, 0.1547, 0.0768



0.2604, 0.1646, 0.1124

Previews

White Background



This preview shows how the Yxy color 47.0706, 0.3889, 0.4243 looks on a white background.

Color Contrast Check

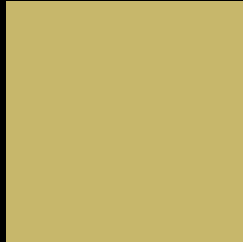
Large Text (above 18pt) WCAG AA × Fail

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 47.0706, 0.3889, 0.4243 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 47.0706, 0.3889, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 47.0706, 0.3889, 0.4243.



This preview shows how white text looks on a background with the Yxy color 47.0706, 0.3889, 0.4243.

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

47.0706, 0.3889, 0.4243

Protanopia

47.2079, 0.3898, 0.4240

Deuteranopia

46.9058, 0.4143, 0.4046



Tritanopia

47.1254, 0.3313, 0.3132

Trichromacy



Original Color

47.0706, 0.3889, 0.4243

Protanomaly

47.2079, 0.3898, 0.4240

Deuteranomaly

46.8231, 0.4057, 0.4115

Tritanomaly

46.7503, 0.3533, 0.3530

Monochromacy



Original Color

47.0706, 0.3889, 0.4243

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3815, 0.3403, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0706, 0.3889, 0.4243 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, 183, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 183, 107)  
}
```

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, 183, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 183, 107) }
```

Border

The CSS property to change the border of an element to Yxy 47.0706, 0.3889, 0.4243 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, 183, 107) }
```

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

```
.border{ border-color:rgb(199, 183, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 183, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 183, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 183, 107); box-shadow:4px 4px 4px 4px rgb(199, 183, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0706, 0.3889, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 183, 107) }
```

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

```
.background{ background-color: rgb(199,  
183, 107) }
```

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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