

Converting Colors

$Yxy(47.0544, 0.3892, 0.4179)$

Have a look what the booklet for
Yxy(47.0544, 0.3892, 0.4179)
contains.

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Color

Yxy(47.1602, 0.3892, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	CAB66F
RGB	202, 182, 111
RGB Percent	79%, 71%, 44%
CMY	0.2079, 0.2862, 0.5648
CMYK	0.00, 0.10, 0.45, 0.21
HSL	47°, 46%, 61%
HSV	47°, 45%, 79%
XYZ	43.9529, 47.1602, 21.8184
YIQ	179.8860, 34.7110, -17.8410

Conversions

Conversions Part 2

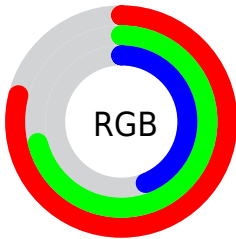
Format	Color
RYB	137, 202, 111
Decimal	13284975
CIELab	74.29, -2.54, 38.64
CIELCh	74, 38.724, 93.759
Yxy	47.1602, 0.3892, 0.4176
Android (android.graphics.Color)	4291475055 (0xFFCAB66F)
YUV	179.8860, -33.9608, 19.3940
Hunter-Lab	68.6733, -5.9329, 29.2341

Details

The Yxy color **47.1602, 0.3892, 0.4176** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.8666, 0.2338, 0.2203**, and the grayscale version is **45.7492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0894, 0.3721, 0.4032**, and **22.1484, 0.4085, 0.4403** is the 20% darker color. If you saturate the color by 10%, you get **44.9780, 0.4070, 0.4352**, and if you desaturate by 10%, it is **49.5049, 0.3711, 0.3983**.

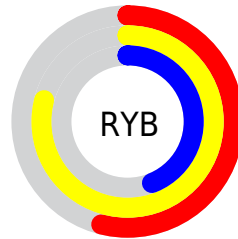
Distribution



Red (79%)

Green (71%)

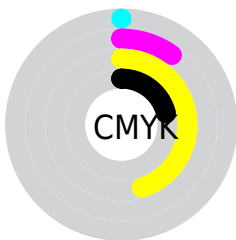
Blue (44%)



Red (54%)

Yellow (79%)

Blue (44%)

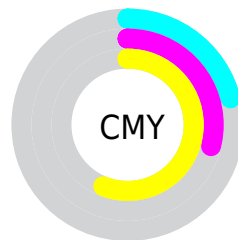


Cyan (0%)

Magenta (10%)

Yellow (45%)

Black (21%)



Cyan (21%)


Magenta (29%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1602, 0.3892, 0.4176 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 47.1602, 0.3892, 0.4176 by changing the saturation by 10% instead.


 47.1602, 0.3892,
0.4176


 47.1602, 0.3892,
0.4176


375.4536, 0.3522,
0.3742

 33.1623, 0.3977,
0.4278


 85.9527, 0.3762,
0.4022


 22.2508, 0.4081,
0.4404


 111.5161, 0.3712,
0.3963

 14.0413, 0.4208,
0.4560


 141.7035, 0.3669,
0.3913

 8.1494, 0.4363,
0.4755

 176.8992, 0.3631,
0.3869

 4.1907, 0.4632,
0.5093

217.4877, 0.3599,
0.3831

 1.7808, 0.4726,
0.5274

263.8533, 0.3570,

 0.4752, 0.4506,

0.3798

0.5494

316.3805, 0.3545,
0.3768

0.0000, 0.0000,
0.0000

47.1602, 0.3892,
0.4176

47.1602, 0.3892,
0.4176

44.9780, 0.4070,
0.4352

49.5049, 0.3711,
0.3983

42.9445, 0.4238,
0.4500

52.0124, 0.3533,
0.3782

41.0535, 0.4388,
0.4610


54.6910, 0.3363,
0.3581

39.2955, 0.4512,
0.4676


57.5466, 0.3203,
0.3386


37.6590, 0.4606,
0.4695


60.5847, 0.3056,
0.3199

 36.8850, 0.4646,
0.4693

 63.8104, 0.2922,
0.3024

 67.2286, 0.2801,
0.2861

 69.6598, 0.2789,
0.2884

 71.9848, 0.2792,
0.2934

Harmonies

Analogous

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



47.1602, 0.4172, 0.3858



47.1602, 0.3892, 0.4176



47.1602, 0.3418, 0.4265

Triad

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



47.1602, 0.3892, 0.4176



47.1602, 0.2197, 0.2995



47.1602, 0.3304, 0.2690

Complementary

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



47.1602, 0.3892, 0.4176



23.8666, 0.2338, 0.2203

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.



47.1602, 0.2771, 0.2481



47.1602, 0.3892, 0.4176



47.1602, 0.2172, 0.2616

Square

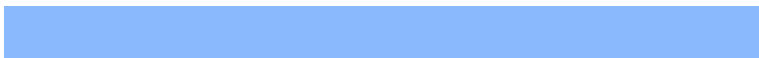
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.1602, 0.3892, 0.4176



47.1602, 0.2448, 0.3524



47.1602, 0.2372, 0.2447



47.1602, 0.3827, 0.3031

Rectangle

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



47.1602, 0.3892, 0.4176



47.1602, 0.3062, 0.4140



47.1602, 0.2372, 0.2447



47.1602, 0.3119, 0.2603

Sweetspot

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



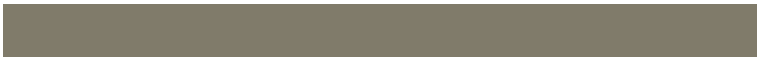
47.1624, 0.3892, 0.4176



93.0092, 0.3348, 0.3564



25.5923, 0.4033, 0.3016



19.6889, 0.3384, 0.3608



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.



47.1624, 0.3892, 0.4176



76.2704, 0.4065, 0.4346



52.8200, 0.3580, 0.4472



12.6623, 0.3271, 0.3470



23.8718, 0.4639, 0.4699



1.3378, 0.4535, 0.4781

Inverse Universe

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



23.8666, 0.2338, 0.2203



32.0595, 0.2154, 0.1921



20.8000, 0.2496, 0.1968



11.2369, 0.2982, 0.3104



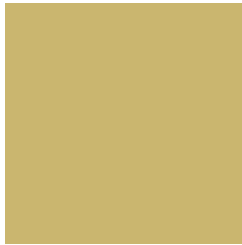
4.0303, 0.1567, 0.0842



0.3239, 0.1671, 0.1216

Previews

White Background



This preview shows how the Yxy color 47.1602, 0.3892, 0.4176 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 47.1602, 0.3892, 0.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

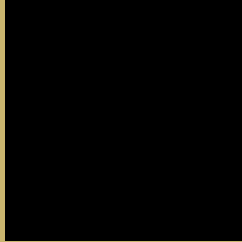
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1602, 0.3892, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 47.1602, 0.3892, 0.4176.



This preview shows how white text looks on a background with the Yxy color 47.1602, 0.3892, 0.4176.

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

47.1602, 0.3892, 0.4176

Protanopia

47.2940, 0.3868, 0.4193

Deuteranopia

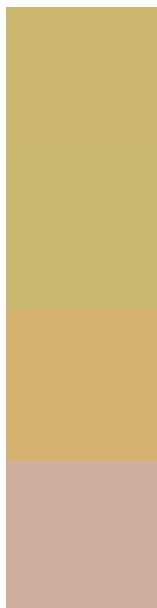
47.2244, 0.4094, 0.4017



Tritanopia

47.1339, 0.3350, 0.3134

Trichromacy



Original Color

47.1602, 0.3892, 0.4176

Protanomaly

47.4322, 0.3877, 0.4190

Deuteranomaly

47.3068, 0.4019, 0.4082

Tritanomaly

46.8193, 0.3555, 0.3503

Monochromacy



Original Color

47.1602, 0.3892, 0.4176

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.1057, 0.3402, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1602, 0.3892, 0.4176 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(202, 182, 111)` looks like.

```
.text, #text, p{  
    color:rgb(202, 182, 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(202, 182, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 182, 111) }
```

Border

The CSS property to change the border of an element to Yxy 47.1602, 0.3892, 0.4176 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(202, 182, 111) }
```

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

```
.border{ border-color:rgb(202, 182, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 182, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 182, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 182, 111);  
box-shadow:4px 4px 4px 4px rgb(202, 182,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1602, 0.3892, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 182, 111) }
```

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

```
.background{ background-color: rgb(202,  
182, 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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