

Converting Colors

$Y_{xy}(41.9999, 0.3870, 0.4297)$

Have a look what the booklet for
Yxy(41.9999, 0.3870, 0.4297)
contains.

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Color

Yxy(41.9999, 0.3870, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	BAAF63
RGB	186, 175, 99
RGB Percent	73%, 69%, 39%
CMY	0.2707, 0.3137, 0.6118
CMYK	0.00, 0.06, 0.47, 0.27
HSL	52°, 39%, 56%
HSV	52°, 47%, 73%
XYZ	37.8263, 41.9999, 17.9162
YIQ	169.6250, 30.9520, -21.3040

Conversions

Conversions Part 2

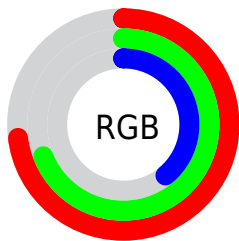
Format	Color
RYB	112, 186, 99
Decimal	12234595
CIELab	70.87, -6.66, 40.18
CIELCh	71, 40.731, 99.415
Yxy	41.9999, 0.3870, 0.4297
Android (android.graphics.Color)	4290424675 (0xFFBAAF63)
YUV	169.6250, -34.8181, 14.3609
Hunter-Lab	64.8073, -9.2272, 28.9742

Details

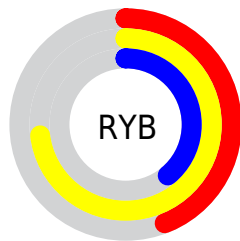
The Yxy color **41.9999, 0.3870, 0.4297** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.3380, 0.2285, 0.2024**, and the grayscale version is **40.1660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0611, 0.3750, 0.4112**, and **19.2215, 0.4045, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **40.7820, 0.4021, 0.4483**, and if you desaturate by 10%, it is **43.3194, 0.3709, 0.4090**.

Distribution



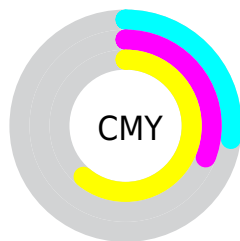
- Red (73%)
- Green (69%)
- Blue (39%)



- Red (44%)
- Yellow (73%)
- Blue (39%)



- Cyan (0%)
- Magenta (6%)
- Yellow (47%)
- Black (27%)




- Cyan (27%)
- Magenta (31%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9999, 0.3870, 0.4297 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 41.9999, 0.3870, 0.4297 by changing the saturation by 10% instead.


 41.9999, 0.3870,
0.4297


 41.9999, 0.3870,
0.4297


354.4825, 0.3509,
0.3790


 29.1012, 0.3952,
0.4420


 78.1995, 0.3744,
0.4115


 19.1574, 0.4051,
0.4572


 102.2692, 0.3694,
0.4045

 11.7841, 0.4169,
0.4764


 130.8313, 0.3652,
0.3987

 6.5968, 0.4302,
0.5006

 164.2703, 0.3616,
0.3936

 3.2113, 0.4553,
0.5447

202.9705, 0.3584,
0.3892

 1.2430, 0.4431,
0.5569

247.3163, 0.3556,

 0.0964, 0.0000,

0.3854

1.0000

297.6922, 0.3531,
0.3820

0.0000, 0.0000,
0.0000

41.9999, 0.3870,
0.4297

41.9999, 0.3870,
0.4297

40.7820, 0.4021,
0.4483

43.3194, 0.3709,
0.4090

39.6542, 0.4157,
0.4638

44.7399, 0.3545,
0.3872

38.6117, 0.4270,
0.4754

46.2681, 0.3383,
0.3651

37.6472, 0.4357,
0.4826

47.9086, 0.3228,
0.3433

36.7502, 0.4417,
0.4856

49.6656, 0.3081,
0.3223

■ 36.4683, 0.4434,
0.4862

■ 51.5429, 0.2944,
0.3026

■ 53.5443, 0.2819,
0.2841

■ 55.6735, 0.2705,
0.2671

■ 57.1795, 0.2665,
0.2625

Harmonies

Analogous

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



41.9999, 0.4230, 0.3977



41.9999, 0.3870, 0.4297



41.9999, 0.3329, 0.4341

Triad

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



41.9999, 0.3870, 0.4297



41.9999, 0.2095, 0.2868



41.9999, 0.3433, 0.2700

Complementary

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



41.9999, 0.3870, 0.4297



17.3380, 0.2285, 0.2024

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.



41.9999, 0.2839, 0.2445



41.9999, 0.3870, 0.4297



41.9999, 0.2116, 0.2503

Square

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



41.9999, 0.3870, 0.4297



41.9999, 0.2318, 0.3428



41.9999, 0.2373, 0.2368



41.9999, 0.3982, 0.3086

Rectangle

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



41.9999, 0.3870, 0.4297



41.9999, 0.2944, 0.4159



41.9999, 0.2373, 0.2368



41.9999, 0.3230, 0.2598

Sweetspot

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



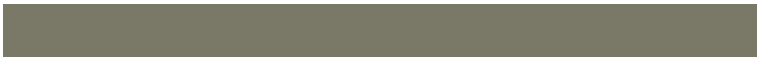
42.0018, 0.3870, 0.4297



84.6283, 0.3343, 0.3595



20.4972, 0.4208, 0.3131



18.4979, 0.3377, 0.3643



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.



42.0018, 0.3870, 0.4297



73.9122, 0.4024, 0.4485



42.8840, 0.3513, 0.4545



10.3051, 0.3267, 0.3488



24.6190, 0.4430, 0.4864



0.9224, 0.4361, 0.4919

Inverse Universe

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



17.3380, 0.2285, 0.2024



23.8612, 0.2083, 0.1700



17.2833, 0.2560, 0.1952



8.8970, 0.2984, 0.3084



2.8712, 0.1530, 0.0708



0.1608, 0.1626, 0.1052

Previews

White Background



This preview shows how the Yxy color 41.9999, 0.3870, 0.4297 looks on a white background.

Color Contrast Check

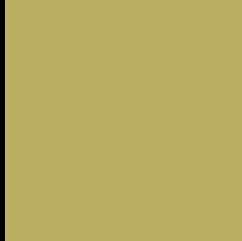
Large Text (above 18pt) WCAG AA × Fail

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 41.9999, 0.3870, 0.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

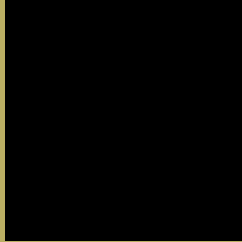
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9999, 0.3870, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 41.9999, 0.3870, 0.4297.



This preview shows how white text looks on a background with the Yxy color 41.9999, 0.3870, 0.4297.

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

41.9999, 0.3870, 0.4297

Protanopia

42.1011, 0.3923, 0.4282

Deuteranopia

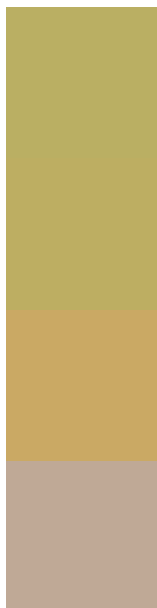
41.6987, 0.4164, 0.4069



Tritanopia

41.9964, 0.3274, 0.3124

Trichromacy



Original Color

41.9999, 0.3870, 0.4297

Protanomaly

41.9728, 0.3913, 0.4286

Deuteranomaly

41.8526, 0.4057, 0.4157

Tritanomaly

41.6543, 0.3503, 0.3543

Monochromacy



Original Color

41.9999, 0.3870, 0.4297

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.7488, 0.3405, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9999, 0.3870, 0.4297 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(186, 175, 99)` looks like.

```
.text, #text, p{  
    color:rgb(186, 175, 99)  
}
```

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(186, 175, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 175, 99) }
```

Border

The CSS property to change the border of an element to Yxy 41.9999, 0.3870, 0.4297 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(186, 175, 99) }
```

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

```
.border{ border-color:rgb(186, 175, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 175, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 175, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 175, 99);  
box-shadow:4px 4px 4px 4px rgb(186, 175,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 41.9999, 0.3870, 0.4297$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 175, 99) }
```

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

```
.background{ background-color: rgb(186,  
175, 99) }
```

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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