

Converting Colors

$Yxy(41.0466, 0.3808, 0.4087)$

Have a look what the booklet for
Yxy(41.0466, 0.3808, 0.4087)
contains.

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Color

Yxy(40.9870, 0.3806, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	BCAB70
RGB	188, 171, 112
RGB Percent	74%, 67%, 44%
CMY	0.2628, 0.3294, 0.5608
CMYK	0.00, 0.09, 0.40, 0.26
HSL	47°, 36%, 59%
HSV	47°, 40%, 74%
XYZ	38.2251, 40.9870, 21.2216
YIQ	169.3570, 29.0710, -14.7450

Conversions

Conversions Part 2

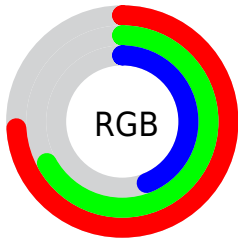
Format	Color
RYB	134, 188, 112
Decimal	12364656
CIELab	70.17, -2.34, 32.60
CIELCh	70, 32.689, 94.106
Yxy	40.9870, 0.3806, 0.4081
Android (android.graphics.Color)	4290554736 (0xFFBCAB70)
YUV	169.3570, -28.2770, 16.3499
Hunter-Lab	64.0211, -5.4599, 25.1614

Details

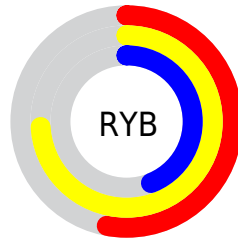
The Yxy color **40.9870, 0.3806, 0.4081** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.7686, 0.2431, 0.2345**, and the grayscale version is **39.9944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4855, 0.3685, 0.3939**, and **18.5391, 0.3985, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **39.0506, 0.3987, 0.4265**, and if you desaturate by 10%, it is **43.0651, 0.3626, 0.3885**.

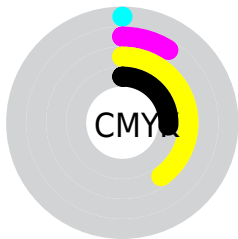
Distribution



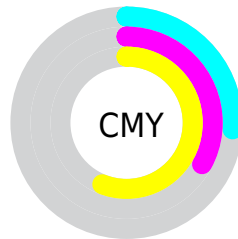
- Red (74%)
- Green (67%)
- Blue (44%)



- Red (53%)
- Yellow (74%)
- Blue (44%)



- Cyan (0%)
- Magenta (9%)
- Yellow (40%)
- Black (26%)





- Cyan (26%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9870, 0.3806, 0.4081 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 40.9870, 0.3806, 0.4081 by changing the saturation by 10% instead.


 40.9870, 0.3806,
0.4081


 40.9870, 0.3806,
0.4081


350.2663, 0.3467,
0.3682

 28.3089, 0.3888,
0.4179


 76.6642, 0.3684,
0.3936


 18.5587, 0.3990,
0.4303


 100.4320, 0.3638,
0.3882

 11.3518, 0.4120,
0.4462


 128.6653, 0.3599,
0.3836

 6.3040, 0.4284,
0.4670

 161.7483, 0.3565,
0.3796

 3.0308, 0.4638,
0.5107

200.0656, 0.3536,
0.3762

 1.1478, 0.4716,
0.5284

244.0014, 0.3510,

 0.0185, 0.0000,

0.3732

1.0000

293.9401, 0.3487,
0.3705

0.0000, 0.0000,
0.0000

40.9870, 0.3806,
0.4081

40.9870, 0.3806,
0.4081

39.0506, 0.3987,
0.4265

43.0651, 0.3626,
0.3885

37.2443, 0.4161,
0.4426

45.2846, 0.3451,
0.3685

35.5633, 0.4321,
0.4555

47.6526, 0.3287,
0.3488

34.0003, 0.4459,
0.4643

50.1737, 0.3133,
0.3298

32.5466, 0.4570,
0.4684

52.8526, 0.2993,
0.3118

■ 31.2416, 0.4653,
0.4687

■ 55.6935, 0.2865,
0.2950

■ 58.7004, 0.2750,
0.2795

■ 61.3925, 0.2688,
0.2726

■ 63.4250, 0.2693,
0.2775

Harmonies

Analogous

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



40.9870, 0.4053, 0.3808



40.9870, 0.3806, 0.4081



40.9870, 0.3385, 0.4146

Triad

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



40.9870, 0.3806, 0.4081



40.9870, 0.2295, 0.3029



40.9870, 0.3292, 0.2756

Complementary

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



40.9870, 0.3806, 0.4081



22.7686, 0.2431, 0.2345

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.



40.9870, 0.2818, 0.2566



40.9870, 0.3806, 0.4081



40.9870, 0.2274, 0.2690

Square

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



40.9870, 0.3806, 0.4081



40.9870, 0.2520, 0.3493



40.9870, 0.2456, 0.2536



40.9870, 0.3751, 0.3066

Rectangle

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



40.9870, 0.3806, 0.4081



40.9870, 0.3069, 0.4031



40.9870, 0.2456, 0.2536



40.9870, 0.3128, 0.2677

Sweetspot

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



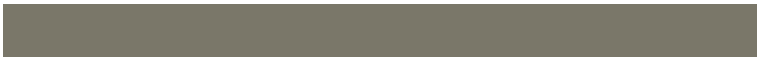
40.9889, 0.3806, 0.4081



85.5903, 0.3315, 0.3522



23.8806, 0.3893, 0.3044



18.2837, 0.3336, 0.3548



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.



40.9889, 0.3806, 0.4081



70.9910, 0.3975, 0.4254



45.4289, 0.3538, 0.4344



10.7489, 0.3270, 0.3467



21.3867, 0.4646, 0.4693



0.9286, 0.4517, 0.4795

Inverse Universe

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



22.7686, 0.2431, 0.2345



33.2744, 0.2253, 0.2079



20.1424, 0.2578, 0.2126



9.5620, 0.2984, 0.3107



3.6940, 0.1571, 0.0854



0.2453, 0.1700, 0.1318

Previews

White Background



This preview shows how the Yxy color 40.9870, 0.3806, 0.4081 looks on a white background.

Color Contrast Check

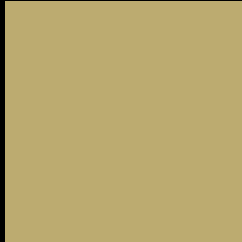
Large Text (above 18pt) WCAG AA × Fail

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 40.9870, 0.3806, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

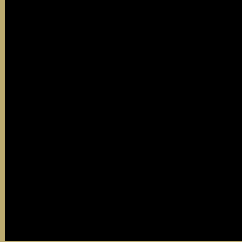
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9870, 0.3806, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 40.9870, 0.3806, 0.4081.



This preview shows how white text looks on a background with the Yxy color 40.9870, 0.3806, 0.4081.

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

40.9870, 0.3806, 0.4081

Protanopia

41.1140, 0.3781, 0.4099

Deuteranopia

40.8650, 0.4015, 0.3934



Tritanopia

40.9311, 0.3315, 0.3123

Trichromacy



Original Color

40.9870, 0.3806, 0.4081

Protanomaly

41.2397, 0.3791, 0.4096

Deuteranomaly

40.9718, 0.3928, 0.3988

Tritanomaly

40.7788, 0.3493, 0.3463

Monochromacy



Original Color

40.9870, 0.3806, 0.4081

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.1177, 0.3374, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9870, 0.3806, 0.4081 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, 171, 112)` looks like.

```
.text, #text, p{  
    color:rgb(188, 171, 112)  
}
```

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, 171, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 171, 112) }
```

Border

The CSS property to change the border of an element to Yxy 40.9870, 0.3806, 0.4081 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, 171, 112) }
```

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

```
.border{ border-color:rgb(188, 171, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 171, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 171, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 171, 112);  
box-shadow:4px 4px 4px 4px rgb(188, 171,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9870, 0.3806, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 171, 112) }
```

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

```
.background{ background-color: rgb(188,  
171, 112) }
```

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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