

Converting Colors

$Y_{xy}(42.7695, 0.3821, 0.4194)$

Have a look what the booklet for
Yxy(42.7695, 0.3821, 0.4194)
contains.

Yxy(42.8036, 0.3821, 0.4203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.8036, 0.3821, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	BCB06B
RGB	188, 176, 107
RGB Percent	74%, 69%, 42%
CMY	0.2629, 0.3097, 0.5803
CMYK	0.00, 0.06, 0.43, 0.26
HSL	51°, 38%, 58%
HSV	51°, 43%, 74%
XYZ	38.9133, 42.8036, 20.1237
YIQ	171.7220, 29.3010, -18.9150

Conversions

Conversions Part 2

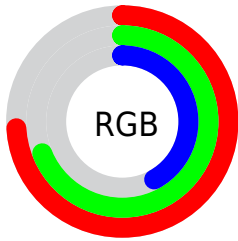
Format	Color
RYB	121, 188, 107
Decimal	12365931
CIELab	71.42, -5.55, 36.80
CIELCh	71, 37.219, 98.571
Yxy	42.8036, 0.3821, 0.4203
Android (android.graphics.Color)	4290556011 (0xFFBCB06B)
YUV	171.7220, -31.9079, 14.2758
Hunter-Lab	65.4245, -8.3242, 27.5603

Details

The Yxy color **42.8036, 0.3821, 0.4203** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.9423, 0.2364, 0.2169**, and the grayscale version is **41.2600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0675, 0.3702, 0.4038**, and **19.7073, 0.3989, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **41.3742, 0.3982, 0.4394**, and if you desaturate by 10%, it is **44.3452, 0.3654, 0.3995**.

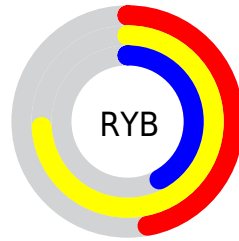
Distribution



Red (74%)

Green (69%)

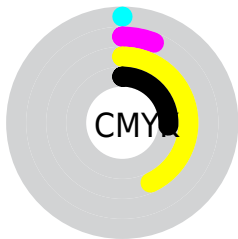
Blue (42%)



Red (47%)

Yellow (74%)

Blue (42%)

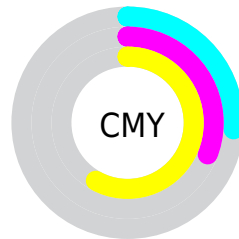


Cyan (0%)

Magenta (6%)

Yellow (43%)

Black (26%)



Cyan (26%)


Magenta (31%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8036, 0.3821, 0.4203 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 42.8036, 0.3821, 0.4203 by changing the saturation by 10% instead.


 42.8036, 0.3821,
0.4203


 42.8036, 0.3821,
0.4203


357.8035, 0.3481,
0.3744

 29.7310, 0.3900,
0.4315


 79.4144, 0.3701,
0.4037


 19.6345, 0.3997,
0.4455


 103.7214, 0.3655,
0.3975

 12.1297, 0.4115,
0.4634


 132.5421, 0.3615,
0.3921

 6.8320, 0.4256,
0.4863

 166.2608, 0.3581,
0.3876

 3.3573, 0.4605,
0.5381

205.2618, 0.3551,
0.3836

 1.3210, 0.4514,
0.5486

249.9297, 0.3525,

 0.1574, 0.0826,

0.3801

0.9174

300.6488, 0.3502,
0.3771

0.0000, 0.0000,
0.0000

42.8036, 0.3821,
0.4203

42.8036, 0.3821,
0.4203

41.3742, 0.3982,
0.4394

44.3452, 0.3654,
0.3995

40.0454, 0.4130,
0.4559

45.9983, 0.3488,
0.3779

38.8127, 0.4259,
0.4688


47.7698, 0.3326,
0.3563

37.6686, 0.4363,
0.4774

49.6642, 0.3172,
0.3353

36.6045, 0.4439,
0.4815

51.6857, 0.3029,
0.3152

 35.9020, 0.4480,
0.4825

 53.8385, 0.2897,
0.2964

 56.1262, 0.2776,
0.2789

 58.3977, 0.2681,
0.2652

 59.6803, 0.2684,
0.2684

Harmonies

Analogous

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



42.8036, 0.4138, 0.3915



42.8036, 0.3821, 0.4203



42.8036, 0.3332, 0.4242

Triad

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



42.8036, 0.3821, 0.4203



42.8036, 0.2184, 0.2924



42.8036, 0.3392, 0.2741

Complementary

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



42.8036, 0.3821, 0.4203



19.9423, 0.2364, 0.2169

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.



42.8036, 0.2853, 0.2509



42.8036, 0.3821, 0.4203



42.8036, 0.2196, 0.2580

Square

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



42.8036, 0.3821, 0.4203



42.8036, 0.2398, 0.3434



42.8036, 0.2428, 0.2445



42.8036, 0.3892, 0.3096

Rectangle

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



42.8036, 0.3821, 0.4203



42.8036, 0.2979, 0.4082



42.8036, 0.2428, 0.2445



42.8036, 0.3207, 0.2647

Sweetspot

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



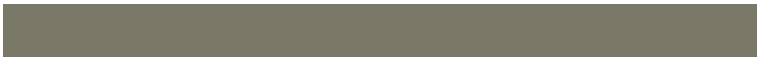
42.8056, 0.3821, 0.4203



86.5585, 0.3328, 0.3566



22.5412, 0.4064, 0.3123



18.4572, 0.3363, 0.3614



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.



42.8056, 0.3821, 0.4203



75.0655, 0.3978, 0.4390



44.4517, 0.3500, 0.4438



10.8738, 0.3268, 0.3484



24.5377, 0.4476, 0.4828



1.0275, 0.4398, 0.4890

Inverse Universe

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



19.9423, 0.2364, 0.2169



28.0914, 0.2170, 0.1864



19.3273, 0.2602, 0.2062



9.4467, 0.2984, 0.3088



3.0988, 0.1537, 0.0734



0.1949, 0.1638, 0.1097

Previews

White Background



This preview shows how the Yxy color 42.8036, 0.3821, 0.4203 looks on a white background.

Color Contrast Check

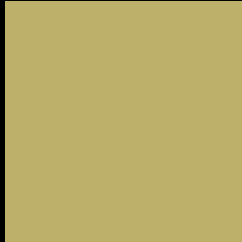
Large Text (above 18pt) WCAG AA × Fail

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 42.8036, 0.3821, 0.4203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

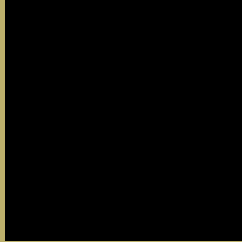
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8036, 0.3821, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 42.8036, 0.3821, 0.4203.



This preview shows how white text looks on a background with the Yxy color 42.8036, 0.3821, 0.4203.

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

42.8036, 0.3821, 0.4203

Protanopia

42.7978, 0.3856, 0.4181

Deuteranopia

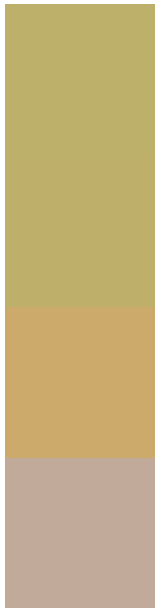
42.5904, 0.4082, 0.4002



Tritanopia

42.6685, 0.3283, 0.3125

Trichromacy



Original Color

42.8036, 0.3821, 0.4203

Protanomaly

42.6686, 0.3846, 0.4185

Deuteranomaly

42.5287, 0.3994, 0.4072

Tritanomaly

42.3868, 0.3492, 0.3515

Monochromacy



Original Color

42.8036, 0.3821, 0.4203

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.4902, 0.3386, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8036, 0.3821, 0.4203 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, 176, 107)` looks like.

```
.text, #text, p{  
    color:rgb(188, 176, 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(188, 176, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 176, 107) }
```

Border

The CSS property to change the border of an element to Yxy 42.8036, 0.3821, 0.4203 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, 176, 107) }
```

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

```
.border{ border-color:rgb(188, 176, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 176, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 176, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 176, 107);  
box-shadow:4px 4px 4px 4px rgb(188, 176,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8036, 0.3821, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 176, 107) }
```

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

```
.background{ background-color: rgb(188,  
176, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor