

Converting Colors

$Y_{xy}(45.0801, 0.3809, 0.4116)$

Have a look what the booklet for
Yxy(45.0801, 0.3809, 0.4116)
contains.

Yxy(45.0801, 0.3809, 0.4116)	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(45.0801, 0.3809, 0.4116)

Conversions

Conversions Part 1

Format	Color
Hex	C3B373
RGB	195, 179, 115
RGB Percent	76%, 70%, 45%
CMY	0.2354, 0.2980, 0.5490
CMYK	0.00, 0.08, 0.41, 0.24
HSL	48°, 40%, 61%
HSV	48°, 41%, 76%
XYZ	41.7177, 45.0801, 22.7262
YIQ	176.4880, 30.0800, -16.5120

Conversions

Conversions Part 2

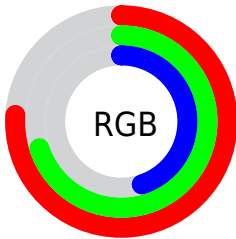
Format	Color
RYB	135, 195, 115
Decimal	12825459
CIELab	72.94, -3.40, 34.72
CIELCh	73, 34.882, 95.592
Yxy	45.0801, 0.3809, 0.4116
Android (android.graphics.Color)	4291015539 (0xFFC3B373)
YUV	176.4880, -30.3136, 16.2350
Hunter-Lab	67.1417, -6.5891, 26.9306

Details

The Yxy color **45.0801, 0.3809, 0.4116** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.8148, 0.2413, 0.2295**, and the grayscale version is **43.8346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1265, 0.3690, 0.3969**, and **20.8788, 0.3996, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **43.1403, 0.3984, 0.4303**, and if you desaturate by 10%, it is **47.1631, 0.3632, 0.3915**.

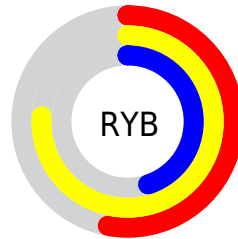
Distribution



Red (76%)

Green (70%)

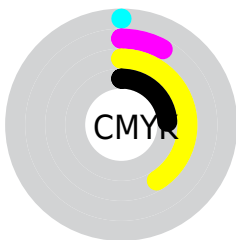
Blue (45%)



Red (53%)

Yellow (76%)

Blue (45%)

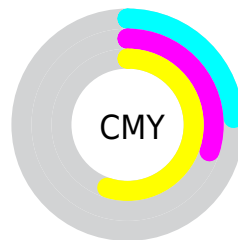


Cyan (0%)

Magenta (8%)

Yellow (41%)

Black (24%)



Cyan (24%)


Magenta (30%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0801, 0.3809, 0.4116 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 45.0801, 0.3809, 0.4116 by changing the saturation by 10% instead.


 45.0801, 0.3809,
0.4116


 45.0801, 0.3809,
0.4116


367.0979, 0.3475,
0.3705

 31.5205, 0.3888,
0.4215


 82.8406, 0.3691,
0.3969

 20.9955, 0.3984,
0.4339


 107.8103, 0.3645,
0.3913

 13.1207, 0.4105,
0.4497


 137.3522, 0.3606,
0.3865

 7.5117, 0.4255,
0.4701

171.8506, 0.3573,
0.3824

 3.7841, 0.4507,
0.5042

211.6900, 0.3544,
0.3788

 1.5536, 0.4666,
0.5334

257.2548, 0.3518,

 0.3260, 0.4104,

0.3757

0.5896

308.9292, 0.3495,
0.3730

0.0000, 0.0000,
0.0000

45.0801, 0.3809,
0.4116

45.0801, 0.3809,
0.4116

43.1403, 0.3984,
0.4303

47.1631, 0.3632,
0.3915

41.3311, 0.4151,
0.4466

49.3889, 0.3460,
0.3710

39.6474, 0.4302,
0.4596

51.7651, 0.3296,
0.3506

38.0812, 0.4429,
0.4684

54.2967, 0.3142,
0.3309

36.6231, 0.4529,
0.4726

56.9886, 0.3001,
0.3123

■ 35.3888, 0.4598,
0.4731

■ 59.8452, 0.2871,
0.2949

■ 62.8709, 0.2755,
0.2788

■ 64.9960, 0.2738,
0.2796

■ 66.9447, 0.2742,
0.2840

Harmonies

Analogous

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



45.0801, 0.4077, 0.3840



45.0801, 0.3809, 0.4116



45.0801, 0.3368, 0.4172

Triad

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



45.0801, 0.3809, 0.4116



45.0801, 0.2263, 0.2998



45.0801, 0.3322, 0.2753

Complementary

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



45.0801, 0.3809, 0.4116



23.8148, 0.2413, 0.2295

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.



45.0801, 0.2830, 0.2550



45.0801, 0.3809, 0.4116



45.0801, 0.2252, 0.2658

Square

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



45.0801, 0.3809, 0.4116



45.0801, 0.2484, 0.3475



45.0801, 0.2450, 0.2510



45.0801, 0.3792, 0.3076

Rectangle

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



45.0801, 0.3809, 0.4116



45.0801, 0.3042, 0.4044



45.0801, 0.2450, 0.2510



45.0801, 0.3153, 0.2670

Sweetspot

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



45.0822, 0.3809, 0.4116



92.2163, 0.3314, 0.3530



25.5038, 0.3948, 0.3076



20.0676, 0.3336, 0.3557



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.



45.0822, 0.3809, 0.4116



77.7023, 0.3962, 0.4281



48.9180, 0.3521, 0.4371



11.4055, 0.3270, 0.3473



23.1257, 0.4592, 0.4736



1.0882, 0.4487, 0.4819

Inverse Universe

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



23.8148, 0.2413, 0.2295



34.6372, 0.2244, 0.2039



21.6938, 0.2592, 0.2112



10.0666, 0.2983, 0.3100



3.5987, 0.1559, 0.0810



0.2544, 0.1673, 0.1221

Previews

White Background



This preview shows how the Yxy color 45.0801, 0.3809, 0.4116 looks on a white background.

Color Contrast Check

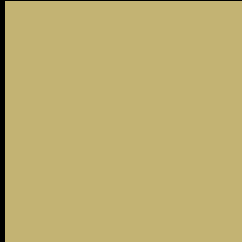
Large Text (above 18pt) WCAG AA × Fail

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 45.0801, 0.3809, 0.4116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

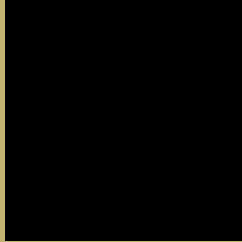
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0801, 0.3809, 0.4116

Background



This preview shows how black text looks on a background with the Yxy color 45.0801, 0.3809, 0.4116.



This preview shows how white text looks on a background with the Yxy color 45.0801, 0.3809, 0.4116.

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

45.0801, 0.3809, 0.4116

Protanopia

45.0801, 0.3809, 0.4116

Deuteranopia

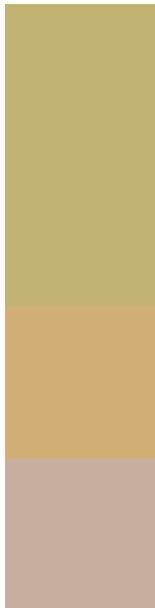
44.8572, 0.4027, 0.3944



Tritanopia

45.1431, 0.3297, 0.3129

Trichromacy



Original Color

45.0801, 0.3809, 0.4116

Protanomaly

45.0801, 0.3809, 0.4116

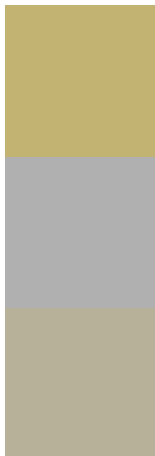
Deuteranomaly

44.9430, 0.3952, 0.4009

Tritanomaly

44.9174, 0.3485, 0.3483

Monochromacy



Original Color

45.0801, 0.3809, 0.4116

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.8447, 0.3373, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0801, 0.3809, 0.4116 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(195, 179, 115)` looks like.

```
.text, #text, p{  
    color:rgb(195, 179, 115)  
}
```

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(195, 179, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 179, 115) }
```

Border

The CSS property to change the border of an element to Yxy 45.0801, 0.3809, 0.4116 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(195, 179, 115) }
```

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

```
.border{ border-color:rgb(195, 179, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 179, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 179, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 179, 115);  
box-shadow:4px 4px 4px 4px rgb(195, 179,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0801, 0.3809, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 179, 115) }
```

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

```
.background{ background-color: rgb(195,  
179, 115) }
```

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