

Converting Colors

$Y_{xy}(49.8545, 0.3788, 0.4227)$

Have a look what the booklet for
Yxy(49.8545, 0.3788, 0.4227)
contains.

Yxy(50.0705, 0.3784, 0.4229)	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(50.0705, 0.3784, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	C6BE73
RGB	198, 190, 115
RGB Percent	78%, 75%, 45%
CMY	0.2234, 0.2549, 0.5490
CMYK	0.00, 0.04, 0.42, 0.22
HSL	54°, 42%, 61%
HSV	54°, 42%, 78%
XYZ	44.8018, 50.0705, 23.5257
YIQ	183.8420, 28.8430, -21.6290

Conversions

Conversions Part 2

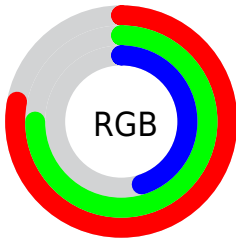
Format	Color
RYB	124, 198, 115
Decimal	13024883
CIELab	76.11, -7.91, 38.80
CIELCh	76, 39.601, 101.525
Yxy	50.0705, 0.3784, 0.4229
Android (android.graphics.Color)	4291214963 (0xFFC6BE73)
YUV	183.8420, -33.9391, 12.4166
Hunter-Lab	70.7605, -10.8142, 29.8203

Details

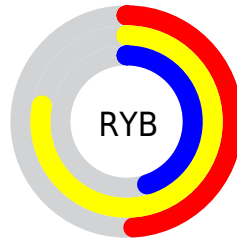
The Yxy color **50.0705, 0.3784, 0.4229** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.8993, 0.2373, 0.2134**, and the grayscale version is **48.0231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9987, 0.3671, 0.4065**, and **24.1126, 0.3940, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **48.8408, 0.3935, 0.4431**, and if you desaturate by 10%, it is **51.4137, 0.3625, 0.4010**.

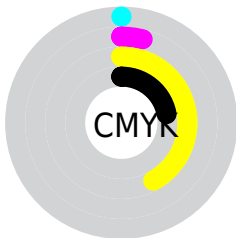
Distribution



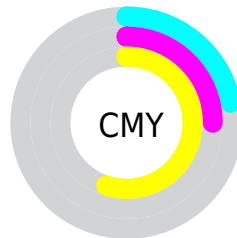
- Red (78%)
- Green (75%)
- Blue (45%)



- Red (49%)
- Yellow (78%)
- Blue (45%)



- Cyan (0%)
- Magenta (4%)
- Yellow (42%)
- Black (22%)





- Cyan (22%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0705, 0.3784, 0.4229 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 50.0705, 0.3784, 0.4229 by changing the saturation by 10% instead.


 50.0705, 0.3784,
0.4229


 50.0705, 0.3784,
0.4229


386.9416, 0.3473,
0.3766

 35.4694, 0.3854,
0.4339


 90.2793, 0.3676,
0.4064

 24.0247, 0.3938,
0.4476


 116.6559, 0.3634,
0.4001

 15.3519, 0.4038,
0.4649


 147.7263, 0.3598,
0.3948

 9.0668, 0.4157,
0.4870

183.8751, 0.3566,
0.3901

 4.7848, 0.4325,
0.5202

225.4867, 0.3539,
0.3861

 2.1215, 0.4434,
0.5566

272.9453, 0.3514,

 0.6767, 0.3994,

0.3826

0.6006

326.6355, 0.3492,
0.3794

0.0000, 0.0000,
0.0000

50.0705, 0.3784,
0.4229

50.0705, 0.3784,
0.4229

48.8408, 0.3935,
0.4431

51.4137, 0.3625,
0.4010

47.7112, 0.4071,
0.4605

52.8692, 0.3465,
0.3782

46.6769, 0.4186,
0.4744

54.4447, 0.3307,
0.3554

45.7298, 0.4277,
0.4840

56.1451, 0.3155,
0.3332

44.8603, 0.4339,
0.4892

57.9753, 0.3013,
0.3120

■ 44.1998, 0.4374,
0.4909

■ 59.9396, 0.2881,
0.2921

■ 62.0422, 0.2760,
0.2736

■ 63.0425, 0.2753,
0.2744

■ 63.9661, 0.2755,
0.2766

Harmonies

Analogous

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



50.0705, 0.4128, 0.3956



50.0705, 0.3784, 0.4229



50.0705, 0.3280, 0.4237

Triad

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



50.0705, 0.3784, 0.4229



50.0705, 0.2166, 0.2877



50.0705, 0.3449, 0.2767

Complementary

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



50.0705, 0.3784, 0.4229



21.8993, 0.2373, 0.2134

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.



50.0705, 0.2900, 0.2518



50.0705, 0.3784, 0.4229



50.0705, 0.2201, 0.2550

Square

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



50.0705, 0.3784, 0.4229



50.0705, 0.2360, 0.3381



50.0705, 0.2456, 0.2435



50.0705, 0.3940, 0.3133

Rectangle

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



50.0705, 0.3784, 0.4229



50.0705, 0.2926, 0.4054



50.0705, 0.2456, 0.2435



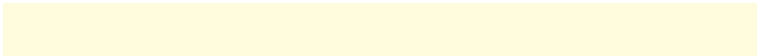
50.0705, 0.3263, 0.2668

Sweetspot

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



50.0728, 0.3784, 0.4229



96.0178, 0.3326, 0.3583



25.7110, 0.4087, 0.3182



20.4153, 0.3362, 0.3634



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.



50.0728, 0.3784, 0.4229



86.7103, 0.3918, 0.4408



49.6171, 0.3457, 0.4424



12.2349, 0.3268, 0.3497



28.8059, 0.4372, 0.4911



1.4161, 0.4330, 0.4944

Inverse Universe

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



21.8993, 0.2373, 0.2134



30.4765, 0.2192, 0.1844



22.6585, 0.2657, 0.2107



10.4497, 0.2983, 0.3075



3.0156, 0.1520, 0.0673



0.2005, 0.1585, 0.0904

Previews

White Background



This preview shows how the Yxy color 50.0705, 0.3784, 0.4229 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 50.0705, 0.3784, 0.4229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

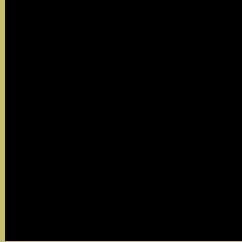
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0705, 0.3784, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 50.0705, 0.3784, 0.4229.



This preview shows how white text looks on a background with the Yxy color 50.0705, 0.3784, 0.4229.

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

50.0705, 0.3784, 0.4229

Protanopia

50.1605, 0.3865, 0.4197

Deuteranopia

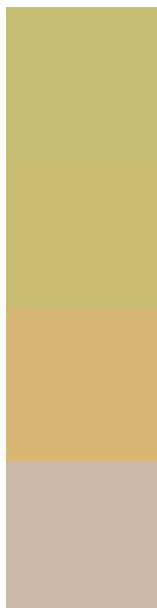
49.8554, 0.4093, 0.4000



Tritanopia

49.8480, 0.3239, 0.3110

Trichromacy



Original Color

50.0705, 0.3784, 0.4229

Protanomaly

50.1667, 0.3833, 0.4217

Deuteranomaly

49.7269, 0.3977, 0.4086

Tritanomaly

49.8715, 0.3447, 0.3514

Monochromacy



Original Color

50.0705, 0.3784, 0.4229

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.4398, 0.3368, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0705, 0.3784, 0.4229 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(198, 190, 115)` looks like.

```
.text, #text, p{  
    color:rgb(198, 190, 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(198, 190, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 190, 115) }
```

Border

The CSS property to change the border of an element to Yxy 50.0705, 0.3784, 0.4229 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(198, 190, 115) }
```

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

```
.border{ border-color:rgb(198, 190, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 190, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 190, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 190, 115);  
box-shadow:4px 4px 4px 4px rgb(198, 190,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0705, 0.3784, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 190, 115) }
```

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

```
.background{ background-color: rgb(198,  
190, 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