

Converting Colors

$Yxy(52.1370, 0.3771, 0.4150)$

Have a look what the booklet for
Yxy(52.1370, 0.3771, 0.4150)
contains.

Yxy(51.9418, 0.3777, 0.4150)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.9418, 0.3777, 0.4150)

Conversions

Conversions Part 1

Format	Color
Hex	CCC07A
RGB	204, 192, 122
RGB Percent	80%, 75%, 48%
CMY	0.1998, 0.2471, 0.5216
CMYK	0.00, 0.06, 0.40, 0.20
HSL	51°, 45%, 64%
HSV	51°, 40%, 80%
XYZ	47.2733, 51.9418, 25.9459
YIQ	187.6080, 29.6220, -19.2260

Conversions

Conversions Part 2

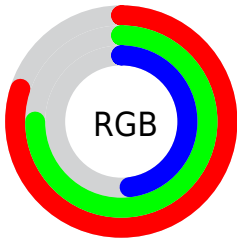
Format	Color
RYB	136, 204, 122
Decimal	13418618
CIELab	77.25, -5.77, 36.78
CIELCh	77, 37.225, 98.917
Yxy	51.9418, 0.3777, 0.4150
Android (android.graphics.Color)	4291608698 (0xFFCCC07A)
YUV	187.6080, -32.3447, 14.3758
Hunter-Lab	72.0707, -9.0402, 29.1047

Details

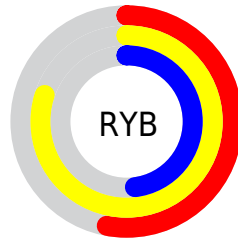
The Yxy color **51.9418, 0.3777, 0.4150** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.5643, 0.2416, 0.2249**, and the grayscale version is **50.2338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4899, 0.3622, 0.4014**, and **25.2290, 0.3923, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **50.1874, 0.3941, 0.4348**, and if you desaturate by 10%, it is **53.8340, 0.3609, 0.3938**.

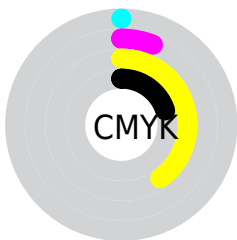
Distribution



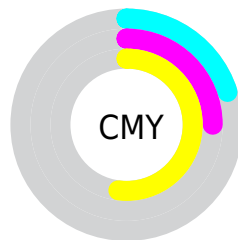
- Red (80%)
- Green (75%)
- Blue (48%)



- Red (53%)
- Yellow (80%)
- Blue (48%)



- Cyan (0%)
- Magenta (6%)
- Yellow (40%)
- Black (20%)





- Cyan (20%)
- Magenta (25%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9418, 0.3777, 0.4150 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 51.9418, 0.3777, 0.4150 by changing the saturation by 10% instead.


 51.9418, 0.3777,
0.4150


 51.9418, 0.3777,
0.4150

394.2119, 0.3468,
0.3730


 36.9587, 0.3847,
0.4249


 93.0454, 0.3670,
0.4001

 25.1755, 0.3932,
0.4372


 119.9347, 0.3628,
0.3944

 16.2079, 0.4036,
0.4528


 151.5615, 0.3592,
0.3895

 9.6714, 0.4163,
0.4728

188.3102, 0.3561,
0.3853

 5.1816, 0.4319,
0.4994

230.5652, 0.3533,
0.3816

 2.3542, 0.4566,
0.5434

278.7108, 0.3509,

 0.8022, 0.4366,

0.3784

0.5634

333.1316, 0.3487,
0.3756

0.0000, 0.0000,
0.0000

51.9418, 0.3777,
0.4150

51.9418, 0.3777,
0.4150

50.1874, 0.3941,
0.4348

53.8340, 0.3609,
0.3938

48.5567, 0.4094,
0.4521

55.8631, 0.3442,
0.3720

47.0445, 0.4228,
0.4660

58.0373, 0.3282,
0.3503

45.6422, 0.4339,
0.4758

60.3620, 0.3130,
0.3294

44.3395, 0.4422,
0.4810

62.8424, 0.2989,
0.3096

■ 43.1420, 0.4480,
0.4825

■ 65.4831, 0.2860,
0.2910

■ 67.6395, 0.2798,
0.2836

■ 69.1613, 0.2801,
0.2869

■ 70.7111, 0.2803,
0.2902

Harmonies

Analogous

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



51.9418, 0.4075, 0.3886



51.9418, 0.3777, 0.4150



51.9418, 0.3317, 0.4177

Triad

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



51.9418, 0.3777, 0.4150



51.9418, 0.2236, 0.2945



51.9418, 0.3383, 0.2775

Complementary

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



51.9418, 0.3777, 0.4150



25.5643, 0.2416, 0.2249

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.



51.9418, 0.2876, 0.2554



51.9418, 0.3777, 0.4150



51.9418, 0.2250, 0.2620

Square

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



51.9418, 0.3777, 0.4150



51.9418, 0.2438, 0.3421



51.9418, 0.2473, 0.2493



51.9418, 0.3848, 0.3114

Rectangle

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



51.9418, 0.3777, 0.4150



51.9418, 0.2985, 0.4024



51.9418, 0.2473, 0.2493



51.9418, 0.3210, 0.2686

Sweetspot

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



51.9442, 0.3777, 0.4150



95.3487, 0.3313, 0.3545



28.4925, 0.3980, 0.3133



20.3050, 0.3334, 0.3574



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.



51.9442, 0.3777, 0.4150



83.5212, 0.3915, 0.4318



53.7641, 0.3481, 0.4365



12.8048, 0.3269, 0.3486



27.2477, 0.4476, 0.4828



1.4842, 0.4412, 0.4879

Inverse Universe

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



25.5643, 0.2416, 0.2249



34.1730, 0.2248, 0.1987



24.8330, 0.2642, 0.2146



11.1055, 0.2982, 0.3086



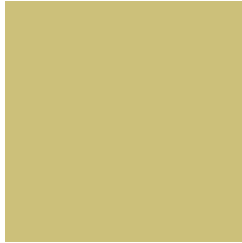
3.4118, 0.1536, 0.0728



0.2635, 0.1619, 0.1029

Previews

White Background



This preview shows how the Yxy color 51.9418, 0.3777, 0.4150 looks on a white background.

Color Contrast Check

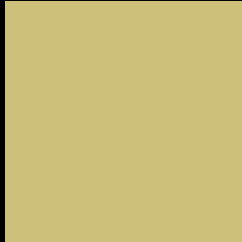
Large Text (above 18pt) WCAG AA × Fail

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 51.9418, 0.3777, 0.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

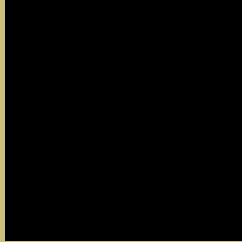
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9418, 0.3777, 0.4150

Background



This preview shows how black text looks on a background with the Yxy color 51.9418, 0.3777, 0.4150.



This preview shows how white text looks on a background with the Yxy color 51.9418, 0.3777, 0.4150.

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

51.9418, 0.3777, 0.4150

Protanopia

52.0766, 0.3817, 0.4128

Deuteranopia

51.5691, 0.4037, 0.3952



Tritanopia

51.8952, 0.3262, 0.3125

Trichromacy



Original Color

51.9418, 0.3777, 0.4150

Protanomaly

51.9321, 0.3808, 0.4131

Deuteranomaly

51.7635, 0.3942, 0.4029

Tritanomaly

51.5754, 0.3454, 0.3485

Monochromacy



Original Color

51.9418, 0.3777, 0.4150

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.5449, 0.3366, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9418, 0.3777, 0.4150 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(204, 192, 122)` looks like.

```
.text, #text, p{  
    color:rgb(204, 192, 122)  
}
```

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(204, 192, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 192, 122) }
```

Border

The CSS property to change the border of an element to Yxy 51.9418, 0.3777, 0.4150 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(204, 192, 122) }
```

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

```
.border{ border-color:rgb(204, 192, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 192, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 192, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 192, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 192,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9418, 0.3777, 0.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 192, 122) }
```

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

```
.background{ background-color: rgb(204,  
192, 122) }
```

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