

Converting Colors

$Y_{xy}(57.1272, 0.3810, 0.4419)$

Have a look what the booklet for
Yxy(57.1272, 0.3810, 0.4419)
contains.

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Color

Yxy(57.1272, 0.3810, 0.4419)

Conversions

Conversions Part 1

Format	Color
Hex	C6CC6D
RGB	204, 204, 109
RGB Percent	80%, 80%, 43%
CMY	0.2000, 0.2000, 0.5726
CMYK	0.00, 0.00, 0.47, 0.20
HSL	60°, 48%, 61%
HSV	60°, 47%, 80%
XYZ	49.2543, 57.1272, 22.8948
YIQ	193.1700, 30.4950, -29.5450

Conversions

Conversions Part 2

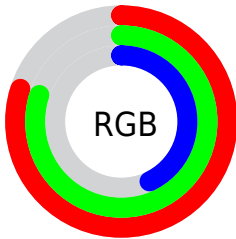
Format	Color
R _Y B	109, 204, 109
Decimal	13421677
CIE Lab	80.25, -13.26, 47.02
CIE LCh	80, 48.856, 105.754
Yxy	57.1272, 0.3810, 0.4419
Android (android.graphics.Color)	4291611757 (0xFFCCCC6D)
YUV	193.1700, -41.4958, 9.4979
Hunter-Lab	75.5825, -15.9478, 34.9481

Details

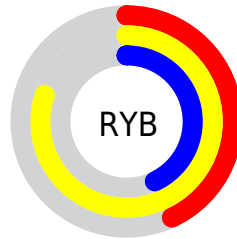
The Yxy color **57.1272, 0.3810, 0.4419** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.5458, 0.2251, 0.1841**, and the grayscale version is **53.6696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **28.4141, 0.3946, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **56.7401, 0.3932, 0.4621**, and if you desaturate by 10%, it is **57.6215, 0.3672, 0.4191**.

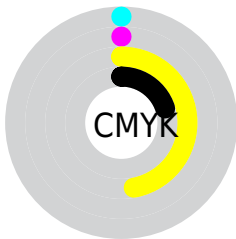
Distribution



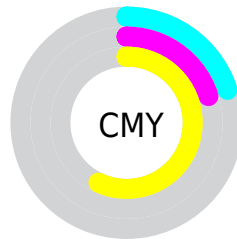
- Red (80%)
- Green (80%)
- Blue (43%)



- Red (43%)
- Yellow (80%)
- Blue (43%)



- Cyan (0%)
- Magenta (0%)
- Yellow (47%)
- Black (20%)




- Cyan (20%)
- Magenta (20%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1272, 0.3810, 0.4419 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 57.1272, 0.3810, 0.4419 by changing the saturation by 10% instead.


 57.1272, 0.3810,
0.4419

 57.1272, 0.3810,
0.4419

413.9258, 0.3503,
0.3874

 41.1074, 0.3873,
0.4544


 100.6508, 0.3708,
0.4228


 28.4030, 0.3946,
0.4698


 128.9233, 0.3667,
0.4154

 18.6297, 0.4028,
0.4888


 162.0488, 0.3630,
0.4091

 11.4030, 0.4114,
0.5124

 200.4118, 0.3599,
0.4036

 6.3386, 0.4225,
0.5465

244.3966, 0.3570,
0.3988

 3.0520, 0.4214,
0.5786

294.3876, 0.3545,

 1.1590, 0.3944,

0.3945

0.6056

350.7692, 0.3523,
0.3908

0.0278, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.1272, 0.3810,
0.4419

57.1272, 0.3810,
0.4419

56.7401, 0.3932,
0.4621

57.6215, 0.3672,
0.4191

56.4451, 0.4033,
0.4788


58.2216, 0.3525,
0.3948

56.2369, 0.4110,
0.4915


58.9361, 0.3374,
0.3698


56.1060, 0.4161,
0.4999

59.7704, 0.3224,
0.3449

 56.0401, 0.4187,
0.5042


 60.7298, 0.3078,
0.3209

 56.0248, 0.4193,
0.5053

 61.8190, 0.2940,
0.2981

 63.0426, 0.2811,
0.2767

 63.2477, 0.2792,
0.2736

 63.2479, 0.2792,
0.2736

Harmonies

Analogous

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



57.1272, 0.4256, 0.4110



57.1272, 0.3810, 0.4419



57.1272, 0.3206, 0.4394

Triad

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



57.1272, 0.3810, 0.4419



57.1272, 0.2003, 0.2726



57.1272, 0.3594, 0.2734

Complementary

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



57.1272, 0.3810, 0.4419



18.5458, 0.2251, 0.1841

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.



57.1272, 0.2942, 0.2428



57.1272, 0.3810, 0.4419



57.1272, 0.2081, 0.2391

Square

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



57.1272, 0.3810, 0.4419



57.1272, 0.2184, 0.3296



57.1272, 0.2404, 0.2301



57.1272, 0.4151, 0.3165

Rectangle

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



57.1272, 0.3810, 0.4419



57.1272, 0.2798, 0.4140



57.1272, 0.2404, 0.2301



57.1272, 0.3375, 0.2615

Sweetspot

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



57.1298, 0.3810, 0.4419



97.9098, 0.3338, 0.3638



24.8771, 0.4387, 0.3294



20.8956, 0.3371, 0.3693



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.



57.1298, 0.3810, 0.4419



93.9523, 0.3934, 0.4624



51.4103, 0.3409, 0.4592



13.0967, 0.3266, 0.3519



35.2603, 0.4193, 0.5053



1.8190, 0.4193, 0.5053

Inverse Universe

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



18.5458, 0.2251, 0.1841



22.3111, 0.2036, 0.1486



22.4125, 0.2683, 0.1993



10.8441, 0.2982, 0.3050



2.7441, 0.1500, 0.0600



0.1416, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 57.1272, 0.3810, 0.4419 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 57.1272, 0.3810, 0.4419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

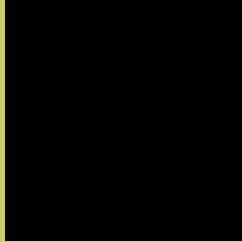
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.1272, 0.3810, 0.4419

Background



This preview shows how black text looks on a background with the Yxy color 57.1272, 0.3810, 0.4419.



This preview shows how white text looks on a background with the Yxy color 57.1272, 0.3810, 0.4419.

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

57.1272, 0.3810, 0.4419

Protanopia

56.9685, 0.3979, 0.4335

Deuteranopia

57.0514, 0.4206, 0.4116



Tritanopia

57.1411, 0.3191, 0.3118

Trichromacy



Original Color

57.1272, 0.3810, 0.4419

Protanomaly

57.1521, 0.3918, 0.4363

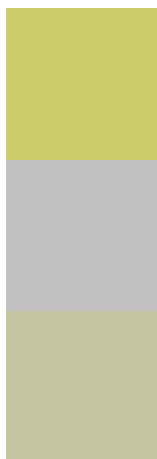
Deuteranomaly

56.8359, 0.4062, 0.4221

Tritanomaly

56.7599, 0.3432, 0.3589

Monochromacy



Original Color

57.1272, 0.3810, 0.4419

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.4115, 0.3391, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1272, 0.3810, 0.4419 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, 204, 109)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 109)  
}
```

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, 204, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 109) }
```

Border

The CSS property to change the border of an element to Yxy 57.1272, 0.3810, 0.4419 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, 204, 109) }
```

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

```
.border{ border-color:rgb(204, 204, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 204, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 109);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1272, 0.3810, 0.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 109) }
```

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

```
.background{ background-color: rgb(204,  
204, 109) }
```

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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