

Converting Colors

$Y_{xy}(52.0006, 0.3886, 0.4654)$

Have a look what the booklet for
Yxy(52.0006, 0.3886, 0.4654)
contains.

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Color

Yxy(51.7948, 0.3889, 0.4648)

Conversions

Conversions Part 1

Format	Color
Hex	C0C555
RGB	192, 197, 85
RGB Percent	75%, 77%, 33%
CMY	0.2472, 0.2274, 0.6667
CMYK	0.03, 0.00, 0.57, 0.23
HSL	63°, 49%, 55%
HSV	63°, 57%, 77%
XYZ	43.3369, 51.7948, 16.3029
YIQ	182.7370, 32.9720, -35.8920

Conversions

Conversions Part 2

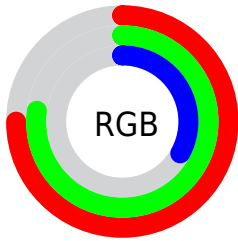
Format	Color
RYB	85, 197, 90
Decimal	12633429
CIELab	77.16, -16.71, 54.42
CIELCh	77, 56.922, 107.067
Yxy	51.7948, 0.3889, 0.4648
Android (android.graphics.Color)	4290823509 (0xFFC0C555)
YUV	182.7370, -48.1843, 8.1237
Hunter-Lab	71.9686, -18.4588, 36.9472

Details

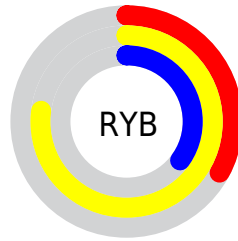
The Yxy color **51.7948, 0.3889, 0.4648** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **12.7011, 0.2074, 0.1501**, and the grayscale version is **47.4551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0426, 0.3778, 0.4424**, and **24.9729, 0.4029, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **51.4109, 0.3982, 0.4824**, and if you desaturate by 10%, it is **52.2713, 0.3775, 0.4439**.

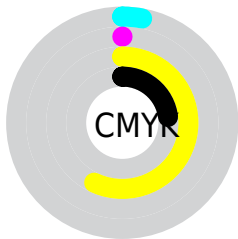
Distribution



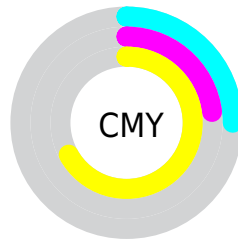
- Red (75%)
- Green (77%)
- Blue (33%)



- Red (33%)
- Yellow (77%)
- Blue (35%)



- Cyan (3%)
- Magenta (0%)
- Yellow (57%)
- Black (23%)



- Cyan (25%)
- Magenta (23%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7948, 0.3889, 0.4648 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 51.7948, 0.3889, 0.4648 by changing the saturation by 10% instead.


 51.7948, 0.3889,
0.4648

 51.7948, 0.3889,
0.4648


393.6439, 0.3553,
0.3986

 36.8415, 0.3953,
0.4799


 92.8285, 0.3781,
0.4416


 25.0848, 0.4021,
0.4982

 119.6778, 0.3736,
0.4326


 16.1403, 0.4089,
0.5202


 151.2612, 0.3696,
0.4249

 9.6235, 0.4144,
0.5472

 187.9631, 0.3661,
0.4182

 5.1500, 0.4175,
0.5825

 230.1680, 0.3629,
0.4124

 2.3356, 0.3956,
0.6044

278.2601, 0.3601,

 0.7924, 0.3035,

0.4072

0.6965

332.6240, 0.3576,
0.4027

0.0000, 0.0000,
0.0000

51.7948, 0.3889,
0.4648

51.7948, 0.3889,
0.4648

51.4109, 0.3982,
0.4824

52.2713, 0.3775,
0.4439

51.1051, 0.4050,
0.4959

52.8398, 0.3647,
0.4206

50.8710, 0.4093,
0.5052

53.5088, 0.3508,
0.3958

50.6970, 0.4111,
0.5103

54.2836, 0.3365,
0.3706

50.6481, 0.4115,
0.5115

55.1693, 0.3223,
0.3456

■ 56.1707, 0.3084,
0.3216

■ 57.2922, 0.2953,
0.2988

■ 58.5380, 0.2830,
0.2777

■ 59.4334, 0.2759,
0.2652

Harmonies

Analogous

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



51.7948, 0.4443, 0.4257



51.7948, 0.3889, 0.4648



51.7948, 0.3168, 0.4631

Triad

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



51.7948, 0.3889, 0.4648



51.7948, 0.1808, 0.2580



51.7948, 0.3717, 0.2652

Complementary

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



51.7948, 0.3889, 0.4648



12.7011, 0.2074, 0.1501

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.



51.7948, 0.2931, 0.2293



51.7948, 0.3889, 0.4648



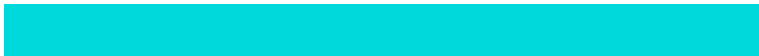
51.7948, 0.1911, 0.2215

Square

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



51.7948, 0.3889, 0.4648



51.7948, 0.1994, 0.3248



51.7948, 0.2292, 0.2134



51.7948, 0.4383, 0.3150

Rectangle

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



51.7948, 0.3889, 0.4648



51.7948, 0.2690, 0.4307



51.7948, 0.2292, 0.2134



51.7948, 0.3452, 0.2514

Sweetspot

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



51.7972, 0.3889, 0.4648



97.1470, 0.3371, 0.3716



19.6254, 0.4804, 0.3341



20.7298, 0.3400, 0.3767



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.



51.7972, 0.3889, 0.4648



91.9305, 0.3999, 0.4857



45.9360, 0.3413, 0.4904



12.3917, 0.3258, 0.3519



33.3177, 0.4116, 0.5114



1.5853, 0.4133, 0.5101

Inverse Universe

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



12.7011, 0.2074, 0.1501



15.3390, 0.1842, 0.1121



16.5214, 0.2595, 0.1718



10.3099, 0.2990, 0.3052



2.6990, 0.1516, 0.0609



0.1359, 0.1573, 0.0640

Previews

White Background



This preview shows how the Yxy color 51.7948, 0.3889, 0.4648 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 51.7948, 0.3889, 0.4648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

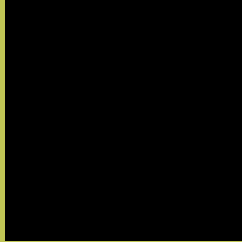
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7948, 0.3889, 0.4648

Background



This preview shows how black text looks on a background with the Yxy color 51.7948, 0.3889, 0.4648.



This preview shows how white text looks on a background with the Yxy color 51.7948, 0.3889, 0.4648.

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

51.7948, 0.3889, 0.4648

Protanopia

51.8832, 0.4119, 0.4514

Deuteranopia

51.4312, 0.4360, 0.4264



Tritanopia

51.7054, 0.3169, 0.3110

Trichromacy



Original Color

51.7948, 0.3889, 0.4648

Protanomaly

51.7592, 0.4037, 0.4558

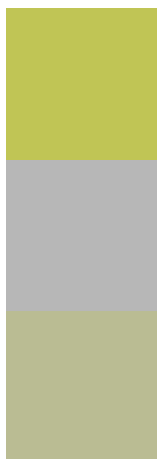
Deuteranomaly

51.3053, 0.4180, 0.4399

Tritanomaly

51.1432, 0.3467, 0.3679

Monochromacy



Original Color

51.7948, 0.3889, 0.4648

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.5121, 0.3434, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7948, 0.3889, 0.4648 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(192, 197, 85)` looks like.

```
.text, #text, p{  
    color:rgb(192, 197, 85)  
}
```

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(192, 197, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 197, 85) }
```

Border

The CSS property to change the border of an element to Yxy 51.7948, 0.3889, 0.4648 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(192, 197, 85) }
```

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

```
.border{ border-color:rgb(192, 197, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 197, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 197, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 197, 85);  
box-shadow:4px 4px 4px 4px rgb(192, 197,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7948, 0.3889, 0.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 197, 85) }
```

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

```
.background{ background-color: rgb(192,  
197, 85) }
```

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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