

Converting Colors

$Yxy(48.9374, 0.3856, 0.4840)$

Have a look what the booklet for
Yxy(48.9374, 0.3856, 0.4840)
contains.

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Color

Yxy(48.9374, 0.3856, 0.4840)

Conversions

Conversions Part 1

Format	Color
Hex	B2C346
RGB	178, 195, 70
RGB Percent	70%, 76%, 27%
CMY	0.3018, 0.2353, 0.7255
CMYK	0.09, 0.00, 0.64, 0.24
HSL	68°, 51%, 52%
HSV	68°, 64%, 76%
XYZ	38.9881, 48.9374, 13.1848
YIQ	175.6670, 29.9930, -42.4790

Conversions

Conversions Part 2

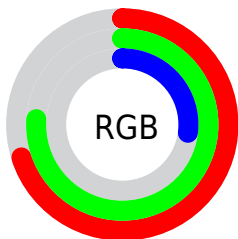
Format	Color
RYB	70, 195, 87
Decimal	11715398
CIELab	75.41, -22.51, 58.66
CIELCh	75, 62.832, 110.994
Yxy	48.9374, 0.3856, 0.4840
Android (android.graphics.Color)	4289905478 (0xFFB2C346)
YUV	175.6670, -52.0938, 2.0460
Hunter-Lab	69.9553, -22.9384, 37.7940

Details

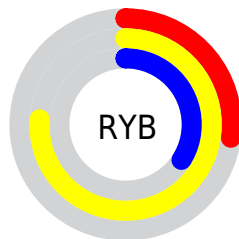
The Yxy color **48.9374, 0.3856, 0.4840** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **10.3441, 0.2019, 0.1308**, and the grayscale version is **43.5028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2825, 0.3763, 0.4567**, and **23.1939, 0.3957, 0.5224** is the 20% darker color. If you saturate the color by 10%, you get **48.4222, 0.3915, 0.5007**, and if you desaturate by 10%, it is **49.5430, 0.3773, 0.4636**.

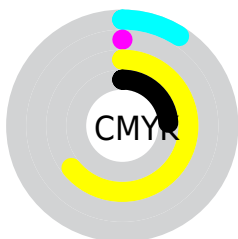
Distribution



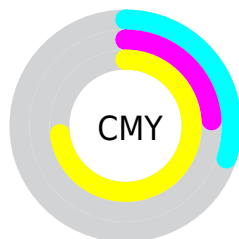
- Red (70%)
- Green (76%)
- Blue (27%)



- Red (27%)
- Yellow (76%)
- Blue (34%)



- Cyan (9%)
- Magenta (0%)
- Yellow (64%)
- Black (24%)



- Cyan (30%)
- Magenta (24%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9374, 0.3856, 0.4840 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 48.9374, 0.3856, 0.4840 by changing the saturation by 10% instead.


 48.9374, 0.3856,
0.4840


 48.9374, 0.3856,
0.4840


382.4958, 0.3547,
0.4074

 34.5698, 0.3907,
0.5016


 88.5985, 0.3761,
0.4571


 23.3317, 0.3956,
0.5227


 114.6608, 0.3720,
0.4466

 14.8386, 0.3990,
0.5481


 145.3901, 0.3683,
0.4377

 8.7062, 0.4034,
0.5853

 181.1708, 0.3650,
0.4300

 4.5501, 0.3881,
0.6119

 222.3873, 0.3620,
0.4232

 1.9858, 0.3552,
0.6448

269.4241, 0.3594,

 0.5992, 0.0323,

0.4173

0.9677

322.6655, 0.3569,
0.4121

0.0000, 0.0000,
0.0000

48.9374, 0.3856,
0.4840

48.9374, 0.3856,
0.4840

48.4222, 0.3915,
0.5007

49.5430, 0.3773,
0.4636

47.9826, 0.3949,
0.5130

50.2394, 0.3671,
0.4404

47.6111, 0.3958,
0.5209

51.0351, 0.3556,
0.4154

47.4127, 0.3955,
0.5241

51.9357, 0.3432,
0.3896

52.9465, 0.3305,
0.3638

■ 54.0723, 0.3178,
0.3389

■ 55.3178, 0.3055,
0.3152

■ 56.6872, 0.2939,
0.2931

■ 58.1846, 0.2830,
0.2727

Harmonies

Analogous

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



48.9374, 0.4516, 0.4413



48.9374, 0.3856, 0.4840



48.9374, 0.3048, 0.4769

Triad

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



48.9374, 0.3856, 0.4840



48.9374, 0.1672, 0.2416



48.9374, 0.3900, 0.2646

Complementary

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



48.9374, 0.3856, 0.4840



10.3441, 0.2019, 0.1308

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.



48.9374, 0.3012, 0.2232



48.9374, 0.3856, 0.4840



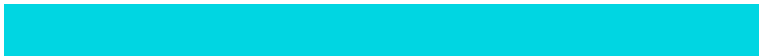
48.9374, 0.1825, 0.2071

Square

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



48.9374, 0.3856, 0.4840



48.9374, 0.1825, 0.3114



48.9374, 0.2275, 0.2026



48.9374, 0.4609, 0.3198

Rectangle

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



48.9374, 0.3856, 0.4840



48.9374, 0.2531, 0.4349



48.9374, 0.2275, 0.2026



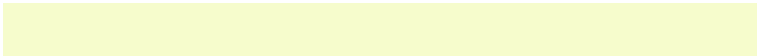
48.9374, 0.3604, 0.2488

Sweetspot

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



48.9396, 0.3856, 0.4840



93.8697, 0.3371, 0.3771



18.8059, 0.5017, 0.3496



20.4430, 0.3408, 0.3847



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.



48.9396, 0.3856, 0.4840



86.3933, 0.3933, 0.5063



43.1709, 0.3324, 0.5162



11.6869, 0.3244, 0.3519



30.8449, 0.3959, 0.5239



1.3523, 0.4014, 0.5195

Inverse Universe

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



10.3441, 0.2019, 0.1308



11.9938, 0.1779, 0.0934



14.7251, 0.2649, 0.1594



9.8120, 0.3004, 0.3053



2.7290, 0.1558, 0.0632



0.1397, 0.1723, 0.0723

Previews

White Background



This preview shows how the Yxy color 48.9374, 0.3856, 0.4840 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 48.9374, 0.3856, 0.4840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

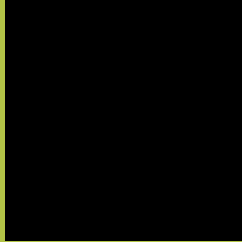
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9374, 0.3856, 0.4840

Background



This preview shows how black text looks on a background with the Yxy color 48.9374, 0.3856, 0.4840.



This preview shows how white text looks on a background with the Yxy color 48.9374, 0.3856, 0.4840.

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

48.9374, 0.3856, 0.4840

Protanopia

48.7885, 0.4200, 0.4625

Deuteranopia

48.3955, 0.4439, 0.4343



Tritanopia

48.9746, 0.3085, 0.3116

Trichromacy



Original Color

48.9374, 0.3856, 0.4840

Protanomaly

48.5483, 0.4071, 0.4705

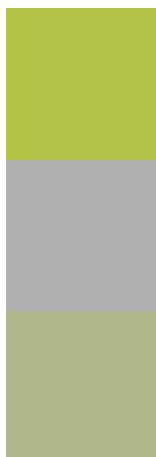
Deuteranomaly

48.2103, 0.4222, 0.4520

Tritanomaly

48.2141, 0.3404, 0.3764

Monochromacy



Original Color

48.9374, 0.3856, 0.4840

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.0202, 0.3446, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9374, 0.3856, 0.4840 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(178, 195, 70)` looks like.

```
.text, #text, p{  
    color:rgb(178, 195, 70)  
}
```

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(178, 195, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 195, 70) }
```

Border

The CSS property to change the border of an element to Yxy 48.9374, 0.3856, 0.4840 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(178, 195, 70) }
```

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

```
.border{ border-color:rgb(178, 195, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 195, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 195, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 195, 70);  
box-shadow:4px 4px 4px 4px rgb(178, 195,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9374, 0.3856, 0.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 195, 70) }
```

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

```
.background{ background-color: rgb(178,  
195, 70) }
```

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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