

Converting Colors

Yxy(51.4879, 0.3849, 0.5048)

Have a look what the booklet for
Yxy(51.4879, 0.3849, 0.5048)
contains.

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Color

Yxy(51.4968, 0.3847, 0.5051)

Conversions

Conversions Part 1

Format	Color
Hex	AECA35
RGB	174, 202, 53
RGB Percent	68%, 79%, 21%
CMY	0.3176, 0.2078, 0.7923
CMYK	0.14, 0.00, 0.74, 0.21
HSL	71°, 58%, 50%
HSV	71°, 74%, 79%
XYZ	39.2216, 51.4968, 11.2353
YIQ	176.6420, 31.1410, -52.2750

Conversions

Conversions Part 2

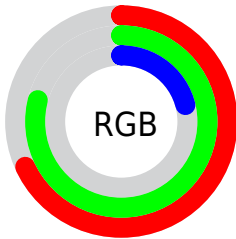
Format	Color
RYB	53, 202, 81
Decimal	11455029
CIELab	76.98, -28.52, 66.50
CIElCh	77, 72.360, 113.215
Yxy	51.4968, 0.3847, 0.5051
Android (android.graphics.Color)	4289645109 (0xFFAECA35)
YUV	176.6420, -60.9555, -2.3170
Hunter-Lab	71.7613, -28.0219, 40.9502

Details

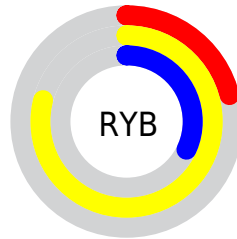
The Yxy color **51.4968, 0.3847, 0.5051** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **8.5534, 0.1901, 0.1061**, and the grayscale version is **44.0831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8016, 0.3783, 0.4728**, and **25.0314, 0.3845, 0.5329** is the 20% darker color. If you saturate the color by 10%, you get **50.9214, 0.3872, 0.5186**, and if you desaturate by 10%, it is **52.1674, 0.3796, 0.4872**.

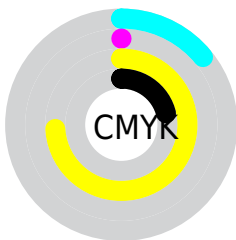
Distribution



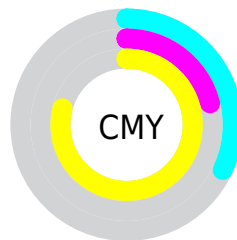
- Red (68%)
- Green (79%)
- Blue (21%)



- Red (21%)
- Yellow (79%)
- Blue (32%)



- Cyan (14%)
- Magenta (0%)
- Yellow (74%)
- Black (21%)





- Cyan (32%)
- Magenta (21%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4968, 0.3847, 0.5051 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 51.4968, 0.3847, 0.5051 by changing the saturation by 10% instead.


 51.4968, 0.3847,
0.5051


 51.4968, 0.3847,
0.5051


392.4909, 0.3566,
0.4191


 36.6041, 0.3883,
0.5242


 92.3887, 0.3769,
0.4753


 24.9011, 0.3908,
0.5468


 119.1567, 0.3732,
0.4636


 16.0034, 0.3905,
0.5732

 150.6520, 0.3698,
0.4535

 9.5266, 0.3891,
0.6109

 187.2589, 0.3667,
0.4447

 5.0862, 0.3653,
0.6347

 229.3619, 0.3638,
0.4371

 2.2979, 0.3268,
0.6732

277.3453, 0.3612,

 0.7726, 0.0469,

0.4304

0.9531

331.5935, 0.3588,
0.4244

0.0000, 0.0000,
0.0000

51.4968, 0.3847,
0.5051

51.4968, 0.3847,
0.5051

50.9214, 0.3872,
0.5186

52.1674, 0.3796,
0.4872

50.4236, 0.3872,
0.5276

52.9352, 0.3722,
0.4657

50.1423, 0.3863,
0.5315

53.8100, 0.3629,
0.4415

54.7989, 0.3523,
0.4157

55.9081, 0.3408,
0.3893

■ 57.1434, 0.3289,
0.3632

■ 58.5100, 0.3171,
0.3381

■ 60.0130, 0.3056,
0.3145

■ 61.6573, 0.2947,
0.2924

Harmonies

Analogous

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



51.4968, 0.4612, 0.4555



51.4968, 0.3847, 0.5051



51.4968, 0.2948, 0.4955

Triad

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



51.4968, 0.3847, 0.5051



51.4968, 0.1525, 0.2261



51.4968, 0.4069, 0.2610

Complementary

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



51.4968, 0.3847, 0.5051



8.5534, 0.1901, 0.1061

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.



51.4968, 0.3060, 0.2147



51.4968, 0.3847, 0.5051



51.4968, 0.1714, 0.1924

Square

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



51.4968, 0.3847, 0.5051



51.4968, 0.1656, 0.3002



51.4968, 0.2224, 0.1904



51.4968, 0.4842, 0.3214

Rectangle

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



51.4968, 0.3847, 0.5051



51.4968, 0.2386, 0.4437



51.4968, 0.2224, 0.1904



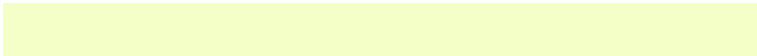
51.4968, 0.3735, 0.2435

Sweetspot

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



51.4991, 0.3847, 0.5051



94.9559, 0.3390, 0.3854



18.5923, 0.5367, 0.3578



20.2077, 0.3422, 0.3926



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.



51.4991, 0.3847, 0.5051



85.6601, 0.3875, 0.5249



45.2162, 0.3260, 0.5453



12.9861, 0.3237, 0.3521



32.3023, 0.3868, 0.5311



1.6947, 0.3935, 0.5258

Inverse Universe

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



8.5534, 0.1901, 0.1061



9.3794, 0.1673, 0.0746



13.7560, 0.2637, 0.1428



10.9436, 0.3011, 0.3052



3.0371, 0.1594, 0.0652



0.1879, 0.1775, 0.0752

Previews

White Background



This preview shows how the Yxy color 51.4968, 0.3847, 0.5051 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 51.4968, 0.3847, 0.5051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

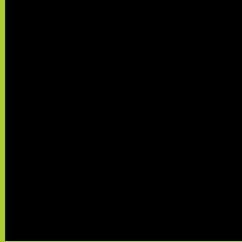
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4968, 0.3847, 0.5051

Background



This preview shows how black text looks on a background with the Yxy color 51.4968, 0.3847, 0.5051.



This preview shows how white text looks on a background with the Yxy color 51.4968, 0.3847, 0.5051.

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

51.4968, 0.3847, 0.5051

Protanopia

51.2033, 0.4296, 0.4737

Deuteranopia

50.9948, 0.4541, 0.4443



Tritanopia

51.0971, 0.3023, 0.3105

Trichromacy



Original Color

51.4968, 0.3847, 0.5051

Protanomaly

50.9647, 0.4134, 0.4850

Deuteranomaly

50.5783, 0.4285, 0.4660

Tritanomaly

50.4684, 0.3397, 0.3880

Monochromacy



Original Color

51.4968, 0.3847, 0.5051

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

46.0139, 0.3468, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4968, 0.3847, 0.5051 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(174, 202, 53)` looks like.

```
.text, #text, p{  
    color:rgb(174, 202, 53)  
}
```

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(174, 202, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 202, 53) }
```

Border

The CSS property to change the border of an element to Yxy 51.4968, 0.3847, 0.5051 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(174, 202, 53) }
```

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

```
.border{ border-color:rgb(174, 202, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 202, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 202, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 202, 53);  
box-shadow:4px 4px 4px 4px rgb(174, 202,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4968, 0.3847, 0.5051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 202, 53) }
```

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

```
.background{ background-color: rgb(174,  
202, 53) }
```

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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