

Converting Colors

$Y_{xy}(48.6969, 0.3724, 0.5101)$

Have a look what the booklet for
Yxy(48.6969, 0.3724, 0.5101)
contains.

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Color

Yxy(48.5033, 0.3723, 0.5096)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9FC738 |
| RGB | 159, 199, 56 |
| RGB Percent | 62%, 78%, 22% |
| CMY | 0.3765, 0.2196, 0.7802 |
| CMYK | 0.20, 0.00, 0.72, 0.22 |
| HSL | 77°, 56%, 50% |
| HSV | 77°, 72%, 78% |
| XYZ | 35.4352, 48.5033, 11.2407 |
| YIQ | 170.7380, 22.0630, -52.9530 |

Conversions

Conversions Part 2

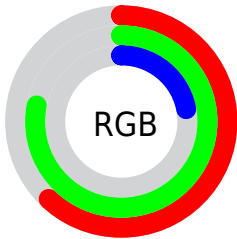
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 56, 199, 96 |
| Decimal | 10471224 |
| CIELab | 75.14, -32.99, 63.32 |
| CIELCh | 75, 71.396, 117.520 |
| Yxy | 48.5033, 0.3723, 0.5096 |
| Android (android.graphics.Color) | 4288661304 (0xFF9FC738) |
| YUV | 170.7380, -56.5658, -10.2942 |
| Hunter-Lab | 69.6443, -31.0563, 39.1816 |

Details

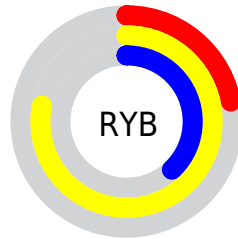
The Yxy color **48.5033, 0.3723, 0.5096** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9.4460, 0.2044, 0.1166**, and the grayscale version is **40.8699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4416, 0.3670, 0.4768**, and **23.1344, 0.3699, 0.5445** is the 20% darker color. If you saturate the color by 10%, you get **47.7911, 0.3738, 0.5259**, and if you desaturate by 10%, it is **49.3228, 0.3683, 0.4890**.

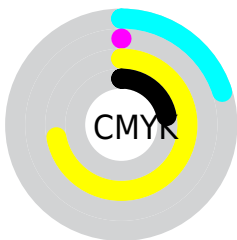
Distribution



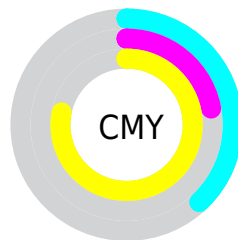
- Red (62%)
- Green (78%)
- Blue (22%)



- Red (22%)
- Yellow (78%)
- Blue (38%)



- Cyan (20%)
- Magenta (0%)
- Yellow (72%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5033, 0.3723, 0.5096 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 48.5033, 0.3723, 0.5096 by changing the saturation by 10% instead.


 48.5033, 0.3723,
0.5096

 48.5033, 0.3723,
0.5096


380.7836, 0.3498,
0.4190


 34.2256, 0.3746,
0.5306


 87.9533, 0.3664,
0.4775


 23.0670, 0.3755,
0.5559


 113.8944, 0.3635,
0.4651


 14.6430, 0.3731,
0.5863


 144.4921, 0.3607,
0.4546

 8.5692, 0.3689,
0.6311

 180.1309, 0.3582,
0.4454

 4.4613, 0.3389,
0.6611

 221.1950, 0.3558,
0.4375

 1.9348, 0.2894,
0.7106

268.0689, 0.3537,

 0.5692, 0.0000,

0.4306

1.0000

321.1370, 0.3517,
0.4244

■ 0.0000, 0.0000,
0.0000

■ 48.5033, 0.3723,
0.5096

■ 48.5033, 0.3723,
0.5096

■ 47.7911, 0.3738,
0.5259

■ 49.3228, 0.3683,
0.4890

■ 47.1697, 0.3727,
0.5375

■ 50.2518, 0.3622,
0.4651

■ 46.7165, 0.3704,
0.5441

■ 51.2997, 0.3543,
0.4390

■ 52.4734, 0.3451,
0.4119

■ 53.7790, 0.3351,
0.3847

■ 55.2222, 0.3248,
0.3584

■ 56.8083, 0.3146,
0.3334

■ 58.5422, 0.3046,
0.3101

■ 60.4288, 0.2951,
0.2887

Harmonies

Analogous

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



48.5033, 0.4525, 0.4650



48.5033, 0.3723, 0.5096



48.5033, 0.2818, 0.4884

Triad

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



48.5033, 0.3723, 0.5096



48.5033, 0.1525, 0.2183



48.5033, 0.4212, 0.2687

Complementary

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



48.5033, 0.3723, 0.5096



9.4460, 0.2044, 0.1166

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.



48.5033, 0.3202, 0.2196



48.5033, 0.3723, 0.5096



48.5033, 0.1760, 0.1896

Square

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



48.5033, 0.3723, 0.5096



48.5033, 0.1608, 0.2866



48.5033, 0.2320, 0.1917



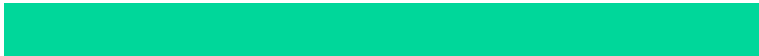
48.5033, 0.4919, 0.3306

Rectangle

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



48.5033, 0.3723, 0.5096



48.5033, 0.2273, 0.4296



48.5033, 0.2320, 0.1917



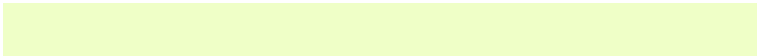
48.5033, 0.3885, 0.2504

Sweetspot

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



48.5055, 0.3723, 0.5096



94.0417, 0.3356, 0.3860



20.4638, 0.5147, 0.3724



19.9898, 0.3384, 0.3935



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.



48.5055, 0.3723, 0.5096



83.0652, 0.3735, 0.5328



43.2789, 0.3188, 0.5455



12.2621, 0.3223, 0.3521



30.0838, 0.3711, 0.5435



1.4595, 0.3816, 0.5352

Inverse Universe

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



9.4460, 0.2044, 0.1166



11.0092, 0.1815, 0.0846



15.0252, 0.2797, 0.1535



10.4288, 0.3026, 0.3054



3.2249, 0.1686, 0.0702



0.1900, 0.1919, 0.0831

Previews

White Background



This preview shows how the Yxy color 48.5033, 0.3723, 0.5096 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 48.5033, 0.3723, 0.5096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

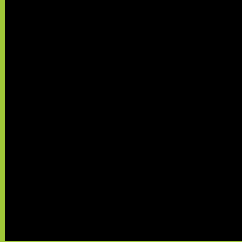
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5033, 0.3723, 0.5096

Background



This preview shows how black text looks on a background with the Yxy color 48.5033, 0.3723, 0.5096.



This preview shows how white text looks on a background with the Yxy color 48.5033, 0.3723, 0.5096.

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

48.5033, 0.3723, 0.5096

Protanopia

48.2113, 0.4278, 0.4719

Deuteranopia

47.8646, 0.4511, 0.4414



Tritanopia

48.4019, 0.2934, 0.3110

Trichromacy



Original Color

48.5033, 0.3723, 0.5096

Protanomaly

48.0311, 0.4077, 0.4860

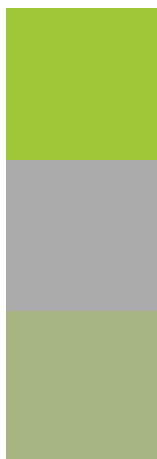
Deuteranomaly

47.4661, 0.4214, 0.4661

Tritanomaly

47.8347, 0.3272, 0.3880

Monochromacy



Original Color

48.5033, 0.3723, 0.5096

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.8482, 0.3423, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5033, 0.3723, 0.5096 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(159, 199, 56)` looks like.

```
.text, #text, p{  
    color:rgb(159, 199, 56)  
}
```

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(159, 199, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 199, 56) }
```

Border

The CSS property to change the border of an element to Yxy 48.5033, 0.3723, 0.5096 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(159, 199, 56) }
```

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

```
.border{ border-color:rgb(159, 199, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 199, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 199, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 199, 56);  
box-shadow:4px 4px 4px 4px rgb(159, 199,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5033, 0.3723, 0.5096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 199, 56) }
```

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

```
.background{ background-color: rgb(159,  
199, 56) }
```

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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