

Converting Colors

$Y_{xy}(49.8873, 0.3959, 0.5107)$

Have a look what the booklet for
Yxy(49.8873, 0.3959, 0.5107)
contains.

| | |
|--|----|
| Yxy(49.8508, 0.3958, 0.5109) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(49.8508, 0.3958, 0.5109)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B1C622 |
| RGB | 177, 198, 34 |
| RGB Percent | 69%, 78%, 13% |
| CMY | 0.3058, 0.2235, 0.8664 |
| CMYK | 0.11, 0.00, 0.83, 0.22 |
| HSL | 68°, 71%, 46% |
| HSV | 68°, 83%, 78% |
| XYZ | 38.6200, 49.8508, 9.1037 |
| YIQ | 173.0250, 40.1280, -55.4560 |

Conversions

Conversions Part 2

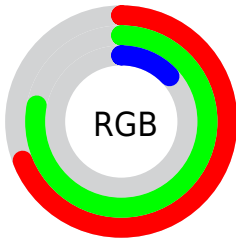
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 34, 198, 55 |
| Decimal | 11650594 |
| CIELab | 75.98, -26.12, 71.13 |
| CIELCh | 76, 75.772, 110.165 |
| Yxy | 49.8508, 0.3958, 0.5109 |
| Android (android.graphics.Color) | 4289840674 (0xFFB1C622) |
| YUV | 173.0250, -68.5393, 3.4861 |
| Hunter-Lab | 70.6051, -25.9220, 41.7788 |

Details

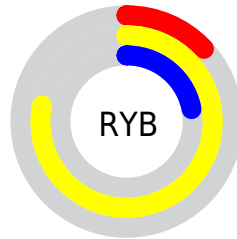
The Yxy color **49.8508, 0.3958, 0.5109** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **6.0373, 0.1707, 0.0835**, and the grayscale version is **42.1504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1974, 0.3868, 0.4815**, and **23.9396, 0.3908, 0.5279** is the 20% darker color. If you saturate the color by 10%, you get **49.4750, 0.3971, 0.5192**, and if you desaturate by 10%, it is **50.3025, 0.3919, 0.4982**.

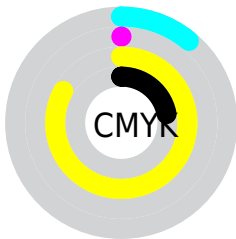
Distribution



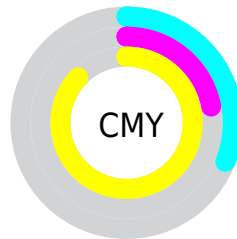
- Red (69%)
- Green (78%)
- Blue (13%)



- Red (13%)
- Yellow (78%)
- Blue (22%)



- Cyan (11%)
- Magenta (0%)
- Yellow (83%)
- Black (22%)




- Cyan (31%)
- Magenta (22%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8508, 0.3958, 0.5109 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 49.8508, 0.3958, 0.5109 by changing the saturation by 10% instead.


 49.8508, 0.3958,
0.5109


 49.8508, 0.3958,
0.5109


386.0822, 0.3635,
0.4233

 35.2949, 0.3998,
0.5296


 89.9538, 0.3870,
0.4811


 23.8901, 0.4023,
0.5510


 116.2696, 0.3827,
0.4692


 15.2521, 0.4022,
0.5762


 147.2742, 0.3788,
0.4589

 8.9965, 0.3959,
0.6041

 183.3519, 0.3752,
0.4499

 4.7389, 0.3732,
0.6268

 224.8872, 0.3719,
0.4420

 2.0949, 0.3360,
0.6640

 272.2644, 0.3688,

 0.6618, 0.0000,

0.4351

1.0000

325.8679, 0.3660,
0.4289

■ 0.0000, 0.0000,
0.0000

■ 49.8508, 0.3958,
0.5109

■ 49.8508, 0.3958,
0.5109

■ 49.4750, 0.3971,
0.5192

■ 50.3025, 0.3919,
0.4982

■ 49.2338, 0.3969,
0.5231

■ 50.8330, 0.3855,
0.4812

■ 51.4530, 0.3768,
0.4605

■ 52.1695, 0.3663,
0.4371

■ 52.9890, 0.3545,
0.4120

■ 53.9174, 0.3419,
0.3862

■ 54.9600, 0.3290,
0.3606

■ 56.1218, 0.3162,
0.3357

■ 57.4076, 0.3039,
0.3122

Harmonies

Analogous

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



49.8508, 0.4740, 0.4529



49.8508, 0.3958, 0.5109



49.8508, 0.3021, 0.5117

Triad

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



49.8508, 0.3958, 0.5109



49.8508, 0.1452, 0.2261



49.8508, 0.4015, 0.2517

Complementary

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



49.8508, 0.3958, 0.5109



6.0373, 0.1707, 0.0835

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.



49.8508, 0.2950, 0.2058



49.8508, 0.3958, 0.5109



49.8508, 0.1616, 0.1878

Square

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



49.8508, 0.3958, 0.5109



49.8508, 0.1618, 0.3081



49.8508, 0.2108, 0.1831



49.8508, 0.4882, 0.3131

Rectangle

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



49.8508, 0.3958, 0.5109



49.8508, 0.2423, 0.4619



49.8508, 0.2108, 0.1831



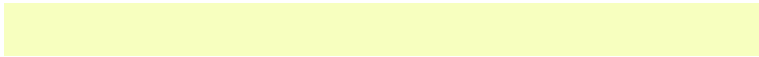
49.8508, 0.3656, 0.2342

Sweetspot

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



49.8531, 0.3958, 0.5109



95.0389, 0.3451, 0.3929



14.6841, 0.5838, 0.3448



20.2158, 0.3497, 0.4021



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.



49.8531, 0.3958, 0.5109



87.1680, 0.3966, 0.5229



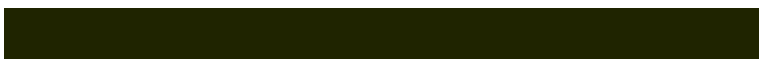
43.0384, 0.3302, 0.5595



12.3456, 0.3246, 0.3520



32.0453, 0.3972, 0.5228



1.5371, 0.4021, 0.5189

Inverse Universe

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



6.0373, 0.1707, 0.0835



7.6298, 0.1545, 0.0628



10.3880, 0.2431, 0.1215



10.3514, 0.3002, 0.3053



2.8096, 0.1553, 0.0629



0.1550, 0.1701, 0.0711

Previews

White Background



This preview shows how the Yxy color 49.8508, 0.3958, 0.5109 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 49.8508, 0.3958, 0.5109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

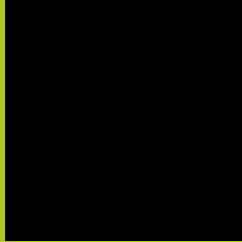
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8508, 0.3958, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 49.8508, 0.3958, 0.5109.



This preview shows how white text looks on a background with the Yxy color 49.8508, 0.3958, 0.5109.

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

49.8508, 0.3958, 0.5109

Protanopia

49.4885, 0.4364, 0.4812

Deuteranopia

49.3037, 0.4621, 0.4514



Tritanopia

49.6110, 0.3078, 0.3104

Trichromacy



Original Color

49.8508, 0.3958, 0.5109

Protanomaly

49.5080, 0.4218, 0.4919

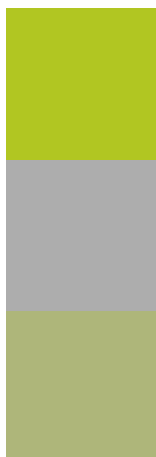
Deuteranomaly

49.1612, 0.4377, 0.4730

Tritanomaly

48.8241, 0.3503, 0.3946

Monochromacy



Original Color

49.8508, 0.3958, 0.5109

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.8597, 0.3541, 0.4120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8508, 0.3958, 0.5109 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(177, 198, 34)` looks like.

```
.text, #text, p{  
    color:rgb(177, 198, 34)  
}
```

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(177, 198, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 198, 34) }
```

Border

The CSS property to change the border of an element to Yxy 49.8508, 0.3958, 0.5109 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(177, 198, 34) }
```

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

```
.border{ border-color:rgb(177, 198, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 198, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 198, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 198, 34);  
box-shadow:4px 4px 4px 4px rgb(177, 198,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8508, 0.3958, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 198, 34) }
```

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

```
.background{ background-color: rgb(177,  
198, 34) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor