

Converting Colors

$Y_{xy}(49.1118, 0.3623, 0.5079)$

Have a look what the booklet for
Yxy(49.1118, 0.3623, 0.5079)
contains.

Yxy(48.9158, 0.3629, 0.5079)	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(48.9158, 0.3629, 0.5079)

Conversions

Conversions Part 1

Format	Color
Hex	99C940
RGB	153, 201, 64
RGB Percent	60%, 79%, 25%
CMY	0.3999, 0.2118, 0.7492
CMYK	0.24, 0.00, 0.68, 0.21
HSL	81°, 56%, 52%
HSV	81°, 68%, 79%
XYZ	34.9509, 48.9158, 12.4432
YIQ	171.0300, 15.3690, -52.7830

Conversions

Conversions Part 2

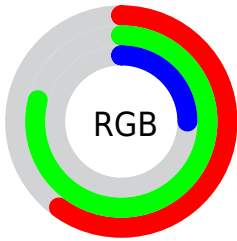
Format	Color
RYB	64, 201, 112
Decimal	10078528
CIELab	75.40, -35.75, 60.53
CIELCh	75, 70.296, 120.565
Yxy	48.9158, 0.3629, 0.5079
Android (android.graphics.Color)	4288268608 (0xFF99C940)
YUV	171.0300, -52.7658, -15.8123
Hunter-Lab	69.9398, -33.1933, 38.4094

Details

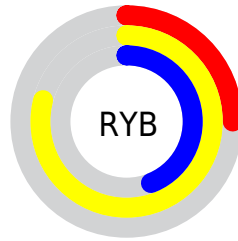
The Yxy color **48.9158, 0.3629, 0.5079** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **11.3200, 0.2194, 0.1304**, and the grayscale version is **41.0059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5535, 0.3590, 0.4732**, and **23.4088, 0.3617, 0.5510** is the 20% darker color. If you saturate the color by 10%, you get **48.0642, 0.3641, 0.5273**, and if you desaturate by 10%, it is **49.8945, 0.3593, 0.4845**.

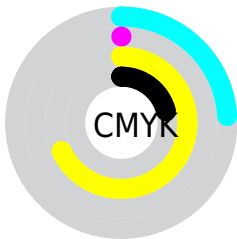
Distribution



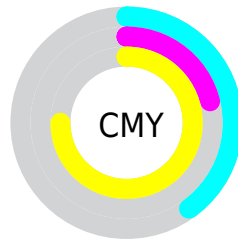
- Red (60%)
- Green (79%)
- Blue (25%)



- Red (25%)
- Yellow (79%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (68%)
- Black (21%)





- Cyan (40%)
- Magenta (21%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9158, 0.3629, 0.5079 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 48.9158, 0.3629, 0.5079 by changing the saturation by 10% instead.


 48.9158, 0.3629,
0.5079


 48.9158, 0.3629,
0.5079


382.4107, 0.3446,
0.4172


 34.5527, 0.3645,
0.5294


 88.5664, 0.3583,
0.4754


 23.3185, 0.3647,
0.5558


 114.6227, 0.3559,
0.4630

 14.8289, 0.3617,
0.5881


 145.3454, 0.3537,
0.4525

 8.6994, 0.3583,
0.6391

 181.1191, 0.3515,
0.4434

 4.5456, 0.3271,
0.6729

 222.3281, 0.3496,
0.4355

 1.9832, 0.2738,
0.7262

269.3568, 0.3478,

 0.5977, 0.0000,

0.4286

1.0000

322.5895, 0.3461,
0.4226

■ 0.0000, 0.0000,
0.0000

■ 48.9158, 0.3629,
0.5079

■ 48.9158, 0.3629,
0.5079

■ 48.0642, 0.3641,
0.5273

■ 49.8945, 0.3593,
0.4845

■ 47.3232, 0.3629,
0.5419

■ 51.0026, 0.3537,
0.4584

■ 46.6801, 0.3594,
0.5518

■ 52.2497, 0.3465,
0.4307

■ 46.5696, 0.3587,
0.5534

■ 53.6429, 0.3382,
0.4027

■ 55.1887, 0.3293,
0.3753

■ 56.8929, 0.3201,
0.3491

■ 58.7613, 0.3111,
0.3247

■ 60.7991, 0.3023,
0.3022

■ 63.0113, 0.2939,
0.2816

Harmonies

Analogous

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



48.9158, 0.4438, 0.4694



48.9158, 0.3629, 0.5079



48.9158, 0.2739, 0.4783

Triad

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



48.9158, 0.3629, 0.5079



48.9158, 0.1557, 0.2157



48.9158, 0.4285, 0.2755

Complementary

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



48.9158, 0.3629, 0.5079



11.3200, 0.2194, 0.1304

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.



48.9158, 0.3302, 0.2253



48.9158, 0.3629, 0.5079



48.9158, 0.1821, 0.1906

Square

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



48.9158, 0.3629, 0.5079



48.9158, 0.1607, 0.2788



48.9158, 0.2409, 0.1953



48.9158, 0.4926, 0.3375

Rectangle

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



48.9158, 0.3629, 0.5079



48.9158, 0.2217, 0.4169



48.9158, 0.2409, 0.1953



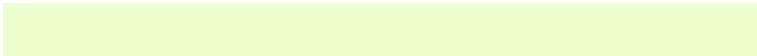
48.9158, 0.3973, 0.2570

Sweetspot

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



48.9180, 0.3629, 0.5079



93.9090, 0.3312, 0.3810



24.3589, 0.4882, 0.3862



19.9366, 0.3337, 0.3888



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.



48.9180, 0.3629, 0.5079



81.6361, 0.3638, 0.5352



44.0523, 0.3128, 0.5401



12.2240, 0.3212, 0.3522



29.3334, 0.3596, 0.5527



1.4282, 0.3723, 0.5426

Inverse Universe

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



11.3200, 0.2194, 0.1304



13.0958, 0.1967, 0.0967



17.6361, 0.2954, 0.1665



10.4651, 0.3036, 0.3055



3.5255, 0.1777, 0.0753



0.2074, 0.2019, 0.0886

Previews

White Background



This preview shows how the Yxy color 48.9158, 0.3629, 0.5079 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 48.9158, 0.3629, 0.5079 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 48.9158, 0.3629, 0.5079

Background



This preview shows how black text looks on a background with the Yxy color 48.9158, 0.3629, 0.5079.



This preview shows how white text looks on a background with the Yxy color 48.9158, 0.3629, 0.5079.

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

48.9158, 0.3629, 0.5079

Protanopia

48.2896, 0.4243, 0.4667

Deuteranopia

48.3547, 0.4457, 0.4366



Tritanopia

48.8243, 0.2875, 0.3096

Trichromacy



Original Color

48.9158, 0.3629, 0.5079

Protanomaly

48.1633, 0.4007, 0.4829

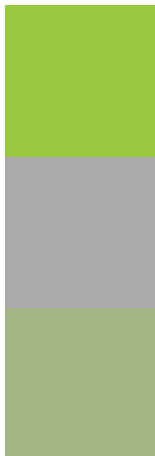
Deuteranomaly

47.6967, 0.4146, 0.4619

Tritanomaly

48.2994, 0.3197, 0.3856

Monochromacy



Original Color

48.9158, 0.3629, 0.5079

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

43.0144, 0.3370, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9158, 0.3629, 0.5079 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(153, 201, 64)` looks like.

```
.text, #text, p{  
    color:rgb(153, 201, 64)  
}
```

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(153, 201, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 201, 64) }
```

Border

The CSS property to change the border of an element to Yxy 48.9158, 0.3629, 0.5079 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(153, 201, 64) }
```

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

```
.border{ border-color:rgb(153, 201, 64) }
```

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

Here you see how a box with a 4 pixel rgb(153, 201, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 201, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 201, 64);  
box-shadow:4px 4px 4px 4px rgb(153, 201,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9158, 0.3629, 0.5079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 201, 64) }
```

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

```
.background{ background-color: rgb(153,  
201, 64) }
```

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