

Converting Colors

$Yxy(49.0643, 0.3867, 0.5112)$

Have a look what the booklet for
Yxy(49.0643, 0.3867, 0.5112)
contains.

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Color

Yxy(49.1086, 0.3871, 0.5109)

Conversions

Conversions Part 1

Format	Color
Hex	AAC62B
RGB	170, 198, 43
RGB Percent	67%, 78%, 17%
CMY	0.3333, 0.2235, 0.8313
CMYK	0.14, 0.00, 0.78, 0.22
HSL	71°, 64%, 47%
HSV	71°, 78%, 78%
XYZ	37.2087, 49.1086, 9.8044
YIQ	171.9580, 33.0670, -54.1410

Conversions

Conversions Part 2

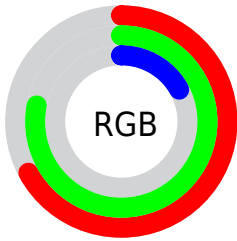
Format	Color
RYB	43, 198, 71
Decimal	11191851
CIELab	75.52, -28.71, 68.15
CIElCh	76, 73.949, 112.845
Yxy	49.1086, 0.3871, 0.5109
Android (android.graphics.Color)	4289381931 (0xFFAAC62B)
YUV	171.9580, -63.5763, -1.7172
Hunter-Lab	70.0775, -27.8584, 40.7591

Details

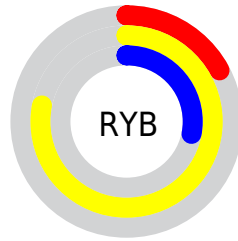
The Yxy color **49.1086, 0.3871, 0.5109** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **7.1467, 0.1824, 0.0954**, and the grayscale version is **41.5505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9733, 0.3789, 0.4805**, and **23.5239, 0.3836, 0.5336** is the 20% darker color. If you saturate the color by 10%, you get **48.6057, 0.3886, 0.5222**, and if you desaturate by 10%, it is **49.6973, 0.3830, 0.4950**.

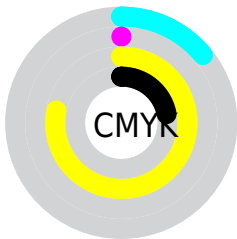
Distribution



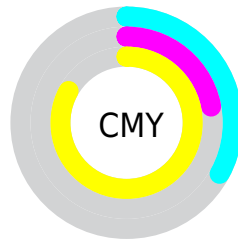
- Red (67%)
- Green (78%)
- Blue (17%)



- Red (17%)
- Yellow (78%)
- Blue (28%)



- Cyan (14%)
- Magenta (0%)
- Yellow (78%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1086, 0.3871, 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 49.1086, 0.3871, 0.5109 by changing the saturation by 10% instead.


 49.1086, 0.3871,
0.5109


 49.1086, 0.3871,
0.5109


383.1697, 0.3584,
0.4218


 34.7056, 0.3905,
0.5305


 88.8527, 0.3793,
0.4801

 23.4362, 0.3924,
0.5536


 114.9627, 0.3756,
0.4679


 14.9159, 0.3913,
0.5806


 145.7438, 0.3720,
0.4575

 8.7604, 0.3855,
0.6145

 181.5803, 0.3688,
0.4484

 4.5852, 0.3600,
0.6400

 222.8568, 0.3658,
0.4405

 2.0060, 0.3180,
0.6820

 269.9576, 0.3631,

 0.6110, 0.0000,

0.4335

1.0000

323.2671, 0.3606,
0.4273

■ 0.0000, 0.0000,
0.0000

■ 49.1086, 0.3871,
0.5109

■ 49.1086, 0.3871,
0.5109

■ 48.6057, 0.3886,
0.5222

■ 49.6973, 0.3830,
0.4950

■ 48.1680, 0.3878,
0.5294

■ 50.3741, 0.3765,
0.4752

■ 48.0955, 0.3876,
0.5304

■ 51.1492, 0.3678,
0.4522

■ 52.0293, 0.3576,
0.4271

■ 53.0207, 0.3463,
0.4010

■ 54.1289, 0.3344,
0.3748

■ 55.3593, 0.3225,
0.3492

■ 56.7169, 0.3107,
0.3249

■ 58.2061, 0.2994,
0.3021

Harmonies

Analogous

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



49.1086, 0.4661, 0.4576



49.1086, 0.3871, 0.5109



49.1086, 0.2945, 0.5035

Triad

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



49.1086, 0.3871, 0.5109



49.1086, 0.1478, 0.2230



49.1086, 0.4090, 0.2580

Complementary

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



49.1086, 0.3871, 0.5109



7.1467, 0.1824, 0.0954

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.



49.1086, 0.3043, 0.2108



49.1086, 0.3871, 0.5109



49.1086, 0.1668, 0.1884

Square

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



49.1086, 0.3871, 0.5109



49.1086, 0.1613, 0.2998



49.1086, 0.2185, 0.1862



49.1086, 0.4899, 0.3196

Rectangle

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



49.1086, 0.3871, 0.5109



49.1086, 0.2365, 0.4499



49.1086, 0.2185, 0.1862



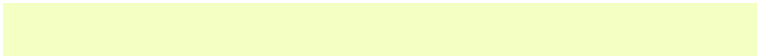
49.1086, 0.3742, 0.2402

Sweetspot

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



49.1108, 0.3871, 0.5109



94.8271, 0.3405, 0.3880



16.4185, 0.5575, 0.3542



20.1460, 0.3448, 0.3977



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.



49.1108, 0.3871, 0.5109



85.5075, 0.3882, 0.5276



42.9800, 0.3265, 0.5542



12.3164, 0.3238, 0.3520



31.3106, 0.3880, 0.5301



1.5085, 0.3949, 0.5246

Inverse Universe

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



7.1467, 0.1824, 0.0954



8.4879, 0.1617, 0.0686



11.9488, 0.2568, 0.1336



10.3781, 0.3010, 0.3053



2.9198, 0.1589, 0.0649



0.1672, 0.1779, 0.0754

Previews

White Background



This preview shows how the Yxy color 49.1086, 0.3871, 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 49.1086, 0.3871, 0.5109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

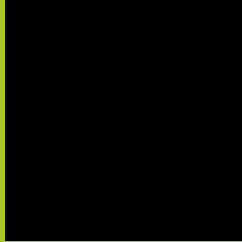
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1086, 0.3871, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 49.1086, 0.3871, 0.5109.



This preview shows how white text looks on a background with the Yxy color 49.1086, 0.3871, 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

49.1086, 0.3871, 0.5109

Protanopia

48.8263, 0.4330, 0.4779

Deuteranopia

48.6406, 0.4581, 0.4475



Tritanopia

48.7188, 0.3021, 0.3101

Trichromacy



Original Color

49.1086, 0.3871, 0.5109

Protanomaly

48.5891, 0.4165, 0.4898

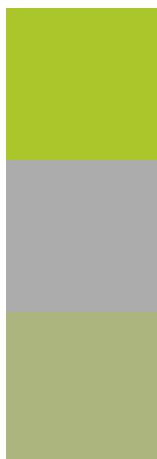
Deuteranomaly

48.2129, 0.4322, 0.4704

Tritanomaly

48.0515, 0.3417, 0.3919

Monochromacy



Original Color

49.1086, 0.3871, 0.5109

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.1863, 0.3493, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1086, 0.3871, 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(170, 198, 43)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 43)  
}
```

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(170, 198, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 43) }
```

Border

The CSS property to change the border of an element to Yxy 49.1086, 0.3871, 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(170, 198, 43) }
```

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

```
.border{ border-color:rgb(170, 198, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 198, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 43);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1086, 0.3871, 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(170, 198, 43) }
```

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

```
.background{ background-color: rgb(170,  
198, 43) }
```

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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