

Converting Colors

$Yxy(49.7150, 0.3669, 0.5183)$

Have a look what the booklet for
Yxy(49.7150, 0.3669, 0.5183)
contains.

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Color

Yxy(49.8298, 0.3672, 0.5183)

Conversions

Conversions Part 1

Format	Color
Hex	9ACB34
RGB	154, 203, 52
RGB Percent	60%, 80%, 20%
CMY	0.3961, 0.2039, 0.7960
CMYK	0.24, 0.00, 0.74, 0.20
HSL	79°, 59%, 50%
HSV	79°, 74%, 80%
XYZ	35.3029, 49.8298, 11.0081
YIQ	171.1350, 19.2670, -57.3490

Conversions

Conversions Part 2

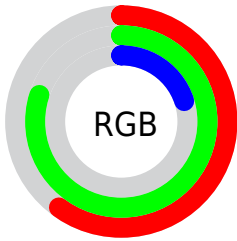
Format	Color
RYB	52, 203, 101
Decimal	10144564
CIELab	75.96, -36.99, 65.39
CIElCh	76, 75.124, 119.494
Yxy	49.8298, 0.3672, 0.5183
Android (android.graphics.Color)	4288334644 (0xFF9ACB34)
YUV	171.1350, -58.7336, -15.0274
Hunter-Lab	70.5902, -34.2632, 40.1672

Details

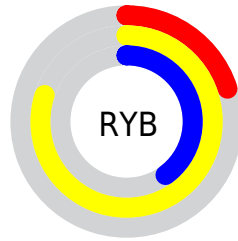
The Yxy color **49.8298, 0.3672, 0.5183** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9.5379, 0.2060, 0.1131**, and the grayscale version is **41.0923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6212, 0.3648, 0.4812**, and **24.0916, 0.3612, 0.5514** is the 20% darker color. If you saturate the color by 10%, you get **49.0578, 0.3673, 0.5343**, and if you desaturate by 10%, it is **50.7203, 0.3646, 0.4978**.

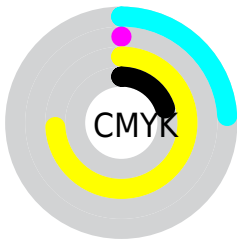
Distribution



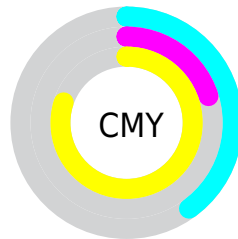
- Red (60%)
- Green (80%)
- Blue (20%)



- Red (20%)
- Yellow (80%)
- Blue (40%)



- Cyan (24%)
- Magenta (0%)
- Yellow (74%)
- Black (20%)





- Cyan (40%)
- Magenta (20%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8298, 0.3672, 0.5183 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 49.8298, 0.3672, 0.5183 by changing the saturation by 10% instead.

 49.8298, 0.3672,
0.5183

 49.8298, 0.3672,
0.5183


386.0000, 0.3481,
0.4233

 35.2782, 0.3685,
0.5402


 89.9226, 0.3627,
0.4847


 23.8772, 0.3680,
0.5667


 116.2327, 0.3602,
0.4717


 15.2426, 0.3636,
0.5983


 147.2309, 0.3579,
0.4606

 8.9898, 0.3561,
0.6439

 183.3019, 0.3556,
0.4511

 4.7345, 0.3236,
0.6764

 224.8298, 0.3535,
0.4428

 2.0924, 0.2708,
0.7292

272.1993, 0.3515,

 0.6603, 0.0000,

0.4355

1.0000

325.7945, 0.3497,
0.4290

■ 0.0000, 0.0000,
0.0000

■ 49.8298, 0.3672,
0.5183

■ 49.8298, 0.3672,
0.5183

■ 49.0578, 0.3673,
0.5343

■ 50.7203, 0.3646,
0.4978

■ 48.3862, 0.3649,
0.5454

■ 51.7323, 0.3598,
0.4737

■ 48.0420, 0.3629,
0.5501

■ 52.8762, 0.3530,
0.4473

■ 54.1594, 0.3449,
0.4197

■ 55.5887, 0.3359,
0.3920

■ 57.1704, 0.3264,
0.3651

■ 58.9104, 0.3169,
0.3396

■ 60.8141, 0.3075,
0.3159

■ 62.8867, 0.2985,
0.2940

Harmonies

Analogous

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



49.8298, 0.4519, 0.4731



49.8298, 0.3672, 0.5183



49.8298, 0.2738, 0.4917

Triad

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



49.8298, 0.3672, 0.5183



49.8298, 0.1480, 0.2109



49.8298, 0.4321, 0.2701

Complementary

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



49.8298, 0.3672, 0.5183



9.5379, 0.2060, 0.1131

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.



49.8298, 0.3271, 0.2186



49.8298, 0.3672, 0.5183



49.8298, 0.1741, 0.1841

Square

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



49.8298, 0.3672, 0.5183



49.8298, 0.1539, 0.2781



49.8298, 0.2339, 0.1883



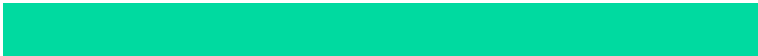
49.8298, 0.5020, 0.3341

Rectangle

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



49.8298, 0.3672, 0.5183



49.8298, 0.2186, 0.4269



49.8298, 0.2339, 0.1883



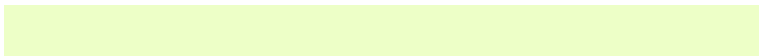
49.8298, 0.3984, 0.2511

Sweetspot

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



49.8320, 0.3672, 0.5183



93.6078, 0.3339, 0.3863



22.0274, 0.5158, 0.3814



19.8867, 0.3365, 0.3938



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.



49.8320, 0.3672, 0.5183



81.4695, 0.3662, 0.5413



44.6542, 0.3140, 0.5550



12.9072, 0.3216, 0.3522



30.6235, 0.3636, 0.5495



1.6197, 0.3748, 0.5406

Inverse Universe

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



9.5379, 0.2060, 0.1131



10.8605, 0.1836, 0.0834



15.9213, 0.2870, 0.1535



11.0178, 0.3032, 0.3054



3.5226, 0.1741, 0.0733



0.2227, 0.1963, 0.0855

Previews

White Background



This preview shows how the Yxy color 49.8298, 0.3672, 0.5183 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 49.8298, 0.3672, 0.5183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

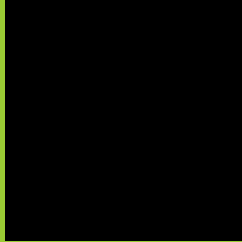
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8298, 0.3672, 0.5183

Background



This preview shows how black text looks on a background with the Yxy color 49.8298, 0.3672, 0.5183.



This preview shows how white text looks on a background with the Yxy color 49.8298, 0.3672, 0.5183.

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

49.8298, 0.3672, 0.5183

Protanopia

49.4557, 0.4303, 0.4741

Deuteranopia

49.1268, 0.4529, 0.4430



Tritanopia

49.4128, 0.2876, 0.3097

Trichromacy



Original Color

49.8298, 0.3672, 0.5183

Protanomaly

49.3088, 0.4068, 0.4909

Deuteranomaly

48.2709, 0.4211, 0.4700

Tritanomaly

48.7528, 0.3226, 0.3909

Monochromacy



Original Color

49.8298, 0.3672, 0.5183

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

43.4248, 0.3408, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8298, 0.3672, 0.5183 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(154, 203, 52)` looks like.

```
.text, #text, p{  
    color:rgb(154, 203, 52)  
}
```

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(154, 203, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 203, 52) }
```

Border

The CSS property to change the border of an element to Yxy 49.8298, 0.3672, 0.5183 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(154, 203, 52) }
```

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

```
.border{ border-color:rgb(154, 203, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 203, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 203, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 203, 52);  
box-shadow:4px 4px 4px 4px rgb(154, 203,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8298, 0.3672, 0.5183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 203, 52) }
```

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

```
.background{ background-color: rgb(154,  
203, 52) }
```

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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