

Converting Colors

$Yxy(49.9283, 0.3881, 0.5080)$

Have a look what the booklet for
Yxy(49.9283, 0.3881, 0.5080)
contains.

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Color

Yxy(49.9283, 0.3881, 0.5080)

Conversions

Conversions Part 1

Format	Color
Hex	ADC72E
RGB	173, 199, 46
RGB Percent	68%, 78%, 18%
CMY	0.3217, 0.2196, 0.8196
CMYK	0.13, 0.00, 0.77, 0.22
HSL	70°, 62%, 48%
HSV	70°, 77%, 78%
XYZ	38.1440, 49.9283, 10.2117
YIQ	173.7840, 33.6170, -53.0950

Conversions

Conversions Part 2

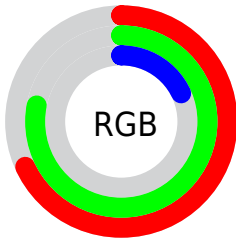
Format	Color
RYB	46, 199, 72
Decimal	11388718
CIELab	76.03, -27.85, 67.80
CIElCh	76, 73.295, 112.335
Yxy	49.9283, 0.3881, 0.5080
Android (android.graphics.Color)	4289578798 (0xFFADC72E)
YUV	173.7840, -62.9975, -0.6876
Hunter-Lab	70.6600, -27.2961, 40.8934

Details

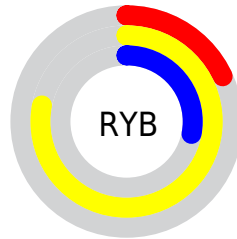
The Yxy color **49.9283, 0.3881, 0.5080** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **7.4589, 0.1833, 0.0979**, and the grayscale version is **42.5258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6753, 0.3808, 0.4774**, and **23.9638, 0.3850, 0.5325** is the 20% darker color. If you saturate the color by 10%, you get **49.4270, 0.3901, 0.5198**, and if you desaturate by 10%, it is **50.5167, 0.3835, 0.4918**.

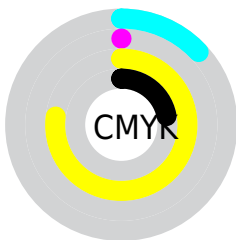
Distribution



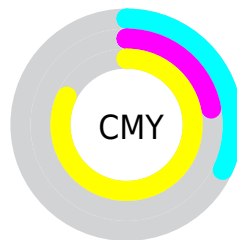
- Red (68%)
- Green (78%)
- Blue (18%)



- Red (18%)
- Yellow (78%)
- Blue (28%)



- Cyan (13%)
- Magenta (0%)
- Yellow (77%)
- Black (22%)



- Cyan (32%)
- Magenta (22%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9283, 0.3881, 0.5080 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 49.9283, 0.3881, 0.5080 by changing the saturation by 10% instead.


 49.9283, 0.3881,
0.5080


 49.9283, 0.3881,
0.5080


386.3855, 0.3587,
0.4206

 35.3564, 0.3918,
0.5272


 90.0686, 0.3800,
0.4778


 23.9376, 0.3942,
0.5498


 116.4059, 0.3761,
0.4659

 15.2873, 0.3936,
0.5760


 147.4337, 0.3726,
0.4557

 9.0213, 0.3897,
0.6103

 183.5365, 0.3693,
0.4468

 4.7551, 0.3655,
0.6345

 225.0987, 0.3663,
0.4390

 2.1043, 0.3259,
0.6741

 272.5047, 0.3635,

 0.6670, 0.0000,

0.4321

1.0000

326.1388, 0.3610,
0.4260

■ 0.0000, 0.0000,
0.0000

■ 49.9283, 0.3881,
0.5080

■ 49.9283, 0.3881,
0.5080

■ 49.4270, 0.3901,
0.5198

■ 50.5167, 0.3835,
0.4918

■ 48.9939, 0.3898,
0.5271

■ 51.1942, 0.3764,
0.4716

■ 48.8664, 0.3894,
0.5290

■ 51.9709, 0.3674,
0.4485

■ 52.8536, 0.3567,
0.4233

■ 53.8485, 0.3451,
0.3972

■ 54.9612, 0.3331,
0.3711

■ 56.1970, 0.3209,
0.3458

■ 57.5608, 0.3091,
0.3216

■ 59.0573, 0.2977,
0.2991

Harmonies

Analogous

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



49.9283, 0.4656, 0.4554



49.9283, 0.3881, 0.5080



49.9283, 0.2966, 0.5015

Triad

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



49.9283, 0.3881, 0.5080



49.9283, 0.1495, 0.2254



49.9283, 0.4060, 0.2579

Complementary

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



49.9283, 0.3881, 0.5080



7.4589, 0.1833, 0.0979

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.



49.9283, 0.3028, 0.2115



49.9283, 0.3881, 0.5080



49.9283, 0.1678, 0.1903

Square

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



49.9283, 0.3881, 0.5080



49.9283, 0.1636, 0.3021



49.9283, 0.2185, 0.1876



49.9283, 0.4866, 0.3189

Rectangle

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



49.9283, 0.3881, 0.5080



49.9283, 0.2391, 0.4497



49.9283, 0.2185, 0.1876



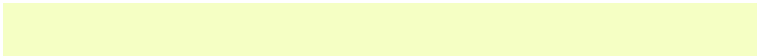
49.9283, 0.3717, 0.2404

Sweetspot

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



49.9306, 0.3881, 0.5080



94.9364, 0.3409, 0.3879



16.9129, 0.5520, 0.3545



20.1729, 0.3453, 0.3975



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.



49.9306, 0.3881, 0.5080



86.0274, 0.3901, 0.5250



43.5926, 0.3269, 0.5512



12.3221, 0.3239, 0.3520



31.4506, 0.3898, 0.5287



1.5140, 0.3963, 0.5235

Inverse Universe

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



7.4589, 0.1833, 0.0979



8.7060, 0.1627, 0.0701



12.3759, 0.2581, 0.1359



10.3728, 0.3009, 0.3053



2.8954, 0.1581, 0.0644



0.1648, 0.1764, 0.0745

Previews

White Background



This preview shows how the Yxy color 49.9283, 0.3881, 0.5080 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 49.9283, 0.3881, 0.5080 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 49.9283, 0.3881, 0.5080

Background



This preview shows how black text looks on a background with the Yxy color 49.9283, 0.3881, 0.5080.



This preview shows how white text looks on a background with the Yxy color 49.9283, 0.3881, 0.5080.

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

49.9283, 0.3881, 0.5080

Protanopia

49.4167, 0.4320, 0.4767

Deuteranopia

49.6187, 0.4562, 0.4477



Tritanopia

49.5594, 0.3037, 0.3103

Trichromacy



Original Color

49.9283, 0.3881, 0.5080

Protanomaly

49.3138, 0.4165, 0.4877

Deuteranomaly

49.3628, 0.4314, 0.4698

Tritanomaly

48.9078, 0.3426, 0.3899

Monochromacy



Original Color

49.9283, 0.3881, 0.5080

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.3979, 0.3498, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9283, 0.3881, 0.5080 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(173, 199, 46)` looks like.

```
.text, #text, p{  
    color:rgb(173, 199, 46)  
}
```

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(173, 199, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 199, 46) }
```

Border

The CSS property to change the border of an element to Yxy 49.9283, 0.3881, 0.5080 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(173, 199, 46) }
```

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

```
.border{ border-color:rgb(173, 199, 46) }
```

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

Here you see how a box with a 4 pixel rgb(173, 199, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 199, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 199, 46);  
box-shadow:4px 4px 4px 4px rgb(173, 199,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9283, 0.3881, 0.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 199, 46) }
```

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

```
.background{ background-color: rgb(173,  
199, 46) }
```

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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