

Converting Colors

Yxy(49.5318, 0.3603, 0.5028)

Have a look what the booklet for
Yxy(49.5318, 0.3603, 0.5028)
contains.

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Color

Yxy(49.5533, 0.3606, 0.5026)

Conversions

Conversions Part 1

Format	Color
Hex	9ACA46
RGB	154, 202, 70
RGB Percent	60%, 79%, 27%
CMY	0.3961, 0.2078, 0.7254
CMYK	0.24, 0.00, 0.65, 0.21
HSL	82°, 55%, 53%
HSV	82°, 65%, 79%
XYZ	35.5530, 49.5533, 13.4876
YIQ	172.6000, 13.7640, -51.2280

Conversions

Conversions Part 2

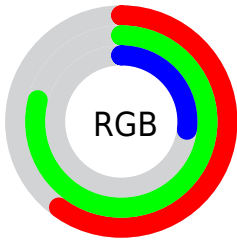
Format	Color
RYB	70, 202, 118
Decimal	10144326
CIELab	75.79, -35.41, 58.57
CIELCh	76, 68.437, 121.154
Yxy	49.5533, 0.3606, 0.5026
Android (android.graphics.Color)	4288334406 (0xFF9ACA46)
YUV	172.6000, -50.5818, -16.3122
Hunter-Lab	70.3941, -33.0372, 37.9158

Details

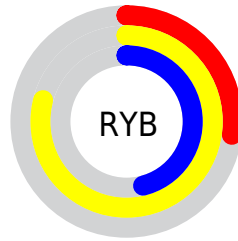
The Yxy color **49.5533, 0.3606, 0.5026** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12.5002, 0.2257, 0.1388**, and the grayscale version is **41.8339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8241, 0.3574, 0.4683**, and **23.8346, 0.3629, 0.5495** is the 20% darker color. If you saturate the color by 10%, you get **48.6428, 0.3623, 0.5235**, and if you desaturate by 10%, it is **50.5981, 0.3566, 0.4781**.

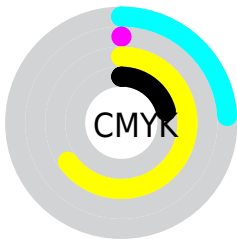
Distribution



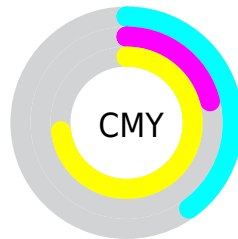
- Red (60%)
- Green (79%)
- Blue (27%)



- Red (27%)
- Yellow (79%)
- Blue (46%)



- Cyan (24%)
- Magenta (0%)
- Yellow (65%)
- Black (21%)





- Cyan (40%)
- Magenta (21%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5533, 0.3606, 0.5026 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 49.5533, 0.3606, 0.5026 by changing the saturation by 10% instead.


 49.5533, 0.3606,
0.5026

 49.5533, 0.3606,
0.5026


384.9165, 0.3429,
0.4145


 35.0586, 0.3623,
0.5237


 89.5127, 0.3560,
0.4710

 23.7080, 0.3628,
0.5496


 115.7461, 0.3537,
0.4589


 15.1172, 0.3604,
0.5817


 146.6613, 0.3516,
0.4487

 8.9017, 0.3559,
0.6286

 182.6426, 0.3495,
0.4399

 4.6771, 0.3302,
0.6698

 224.0743, 0.3477,
0.4322

 2.0591, 0.2792,
0.7208

271.3410, 0.3459,

 0.6415, 0.0000,

0.4256

1.0000

324.8269, 0.3444,
0.4197

0.0000, 0.0000,
0.0000

49.5533, 0.3606,
0.5026

49.5533, 0.3606,
0.5026

48.6428, 0.3623,
0.5235

50.5981, 0.3566,
0.4781

47.8502, 0.3615,
0.5398

51.7792, 0.3507,
0.4511

47.1659, 0.3584,
0.5510

53.1063, 0.3434,
0.4231

46.8737, 0.3565,
0.5551

54.5865, 0.3351,
0.3950

56.2261, 0.3264,
0.3678

■ 58.0312, 0.3174,
0.3420

■ 60.0075, 0.3086,
0.3181

■ 62.1604, 0.3002,
0.2961

■ 64.4948, 0.2921,
0.2762

Harmonies

Analogous

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



49.5533, 0.4396, 0.4673



49.5533, 0.3606, 0.5026



49.5533, 0.2738, 0.4716

Triad

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



49.5533, 0.3606, 0.5026



49.5533, 0.1596, 0.2181



49.5533, 0.4267, 0.2782

Complementary

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



49.5533, 0.3606, 0.5026



12.5002, 0.2257, 0.1388

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.



49.5533, 0.3318, 0.2286



49.5533, 0.3606, 0.5026



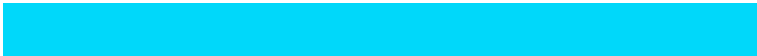
49.5533, 0.1861, 0.1938

Square

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



49.5533, 0.3606, 0.5026



49.5533, 0.1640, 0.2791



49.5533, 0.2444, 0.1988



49.5533, 0.4879, 0.3393

Rectangle

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



49.5533, 0.3606, 0.5026



49.5533, 0.2232, 0.4120



49.5533, 0.2444, 0.1988



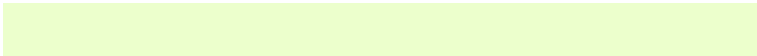
49.5533, 0.3967, 0.2600

Sweetspot

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



49.5555, 0.3606, 0.5026



93.7898, 0.3307, 0.3811



25.5396, 0.4784, 0.3850



19.9079, 0.3332, 0.3889



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.



49.5555, 0.3606, 0.5026



81.8321, 0.3623, 0.5301



44.8499, 0.3133, 0.5318



12.8848, 0.3211, 0.3523



30.2132, 0.3573, 0.5545



1.6006, 0.3696, 0.5448

Inverse Universe

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



12.5002, 0.2257, 0.1388



14.6815, 0.2045, 0.1056



18.6173, 0.2965, 0.1715



11.0393, 0.3038, 0.3054



3.7135, 0.1796, 0.0763



0.2342, 0.2021, 0.0887

Previews

White Background



This preview shows how the Yxy color 49.5533, 0.3606, 0.5026 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 49.5533, 0.3606, 0.5026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

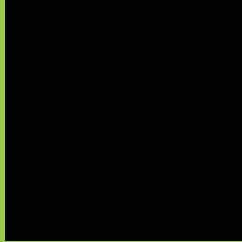
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5533, 0.3606, 0.5026

Background



This preview shows how black text looks on a background with the Yxy color 49.5533, 0.3606, 0.5026.



This preview shows how white text looks on a background with the Yxy color 49.5533, 0.3606, 0.5026.

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

49.5533, 0.3606, 0.5026

Protanopia

49.3439, 0.4206, 0.4636

Deuteranopia

48.9833, 0.4427, 0.4333



Tritanopia

49.3009, 0.2869, 0.3097

Trichromacy



Original Color

49.5533, 0.3606, 0.5026

Protanomaly

48.7959, 0.3981, 0.4785

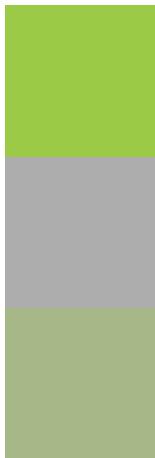
Deuteranomaly

48.3223, 0.4120, 0.4581

Tritanomaly

48.8426, 0.3174, 0.3826

Monochromacy



Original Color

49.5533, 0.3606, 0.5026

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

44.1655, 0.3351, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5533, 0.3606, 0.5026 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, 202, 70)` looks like.

```
.text, #text, p{  
    color:rgb(154, 202, 70)  
}
```

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, 202, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 202, 70) }
```

Border

The CSS property to change the border of an element to Yxy 49.5533, 0.3606, 0.5026 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, 202, 70) }
```

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

```
.border{ border-color:rgb(154, 202, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 202, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 202, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 202, 70);  
box-shadow:4px 4px 4px 4px rgb(154, 202,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5533, 0.3606, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 202, 70) }
```

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

```
.background{ background-color: rgb(154,  
202, 70) }
```

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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