

Converting Colors

$Y_{xy}(49.4148, 0.3776, 0.5322)$

Have a look what the booklet for
Yxy(49.4148, 0.3776, 0.5322)
contains.

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Color

Yxy(49.3631, 0.3771, 0.5324)

Conversions

Conversions Part 1

Format	Color
Hex	9CCA15
RGB	156, 202, 21
RGB Percent	61%, 79%, 8%
CMY	0.3883, 0.2078, 0.9179
CMYK	0.23, 0.00, 0.90, 0.21
HSL	75°, 81%, 44%
HSV	75°, 90%, 79%
XYZ	34.9640, 49.3631, 8.3910
YIQ	167.6120, 30.6850, -66.0430

Conversions

Conversions Part 2

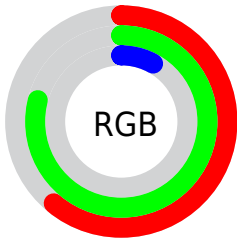
Format	Color
RBY	21, 202, 67
Decimal	10275349
CIELab	75.68, -36.90, 72.95
CIElCh	76, 81.754, 116.830
Yxy	49.3631, 0.3771, 0.5324
Android (android.graphics.Color)	4288465429 (0xFF9CCA15)
YUV	167.6120, -72.2797, -10.1837
Hunter-Lab	70.2589, -34.1234, 42.1002

Details

The Yxy color **49.3631, 0.3771, 0.5324** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **5.9904, 0.1752, 0.0793**, and the grayscale version is **39.3041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5543, 0.3737, 0.4951**, and **23.8325, 0.3631, 0.5499** is the 20% darker color. If you saturate the color by 10%, you get **48.8116, 0.3749, 0.5404**, and if you desaturate by 10%, it is **49.9955, 0.3772, 0.5203**.

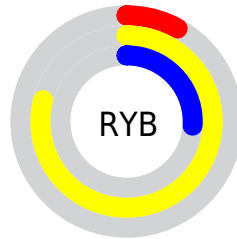
Distribution



Red (61%)

Green (79%)

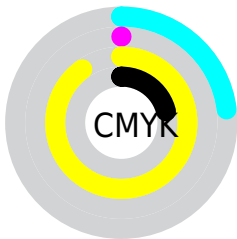
Blue (8%)



Red (8%)

Yellow (79%)

Blue (26%)

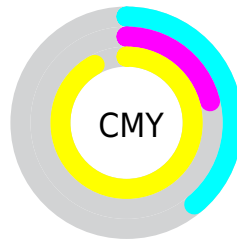


Cyan (23%)

Magenta (0%)

Yellow (90%)

Black (21%)



Cyan (39%)


Magenta (21%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3631, 0.3771, 0.5324 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 49.3631, 0.3771, 0.5324 by changing the saturation by 10% instead.


 49.3631, 0.3771,
0.5324


 49.3631, 0.3771,
0.5324


384.1700, 0.3554,
0.4322


 34.9076, 0.3780,
0.5544


 89.2305, 0.3724,
0.4977


 23.5917, 0.3765,
0.5801


 115.4112, 0.3697,
0.4841

 15.0310, 0.3715,
0.6120


 146.2691, 0.3669,
0.4723

 8.8412, 0.3557,
0.6443

 182.1885, 0.3643,
0.4621

 4.6377, 0.3229,
0.6771

 223.5539, 0.3618,
0.4532

 2.0363, 0.2689,
0.7311

 270.7497, 0.3595,

 0.6284, 0.0000,

0.4453

1.0000

324.1603, 0.3574,
0.4384

■ 0.0000, 0.0000,
0.0000

■ 49.3631, 0.3771,
0.5324

■ 49.3631, 0.3771,
0.5324

■ 48.8116, 0.3749,
0.5404

■ 49.9955, 0.3772,
0.5203

■ 48.7921, 0.3748,
0.5406

■ 50.7200, 0.3748,
0.5035

■ 51.5487, 0.3699,
0.4826

■ 52.4902, 0.3628,
0.4586

■ 53.5519, 0.3541,
0.4325

■ 54.7406, 0.3442,
0.4056

■ 56.0624, 0.3337,
0.3788

■ 57.5231, 0.3230,
0.3528

■ 59.1280, 0.3123,
0.3281

Harmonies

Analogous

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



49.3631, 0.4669, 0.4747



49.3631, 0.3771, 0.5324



49.3631, 0.2771, 0.5158

Triad

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



49.3631, 0.3771, 0.5324



49.3631, 0.1362, 0.2055



49.3631, 0.4331, 0.2594

Complementary

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



49.3631, 0.3771, 0.5324



5.9904, 0.1752, 0.0793

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.



49.3631, 0.3175, 0.2069



49.3631, 0.3771, 0.5324



49.3631, 0.1607, 0.1750

Square

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



49.3631, 0.3771, 0.5324



49.3631, 0.1448, 0.2810



49.3631, 0.2202, 0.1773



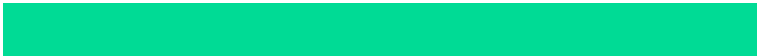
49.3631, 0.5146, 0.3257

Rectangle

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



49.3631, 0.3771, 0.5324



49.3631, 0.2169, 0.4481



49.3631, 0.2202, 0.1773



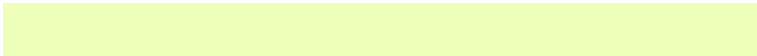
49.3631, 0.3954, 0.2398

Sweetspot

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



49.3653, 0.3771, 0.5324



93.1625, 0.3419, 0.3995



16.5320, 0.5815, 0.3634



19.7824, 0.3455, 0.4088



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.



49.3653, 0.3771, 0.5324



82.4918, 0.3742, 0.5411



43.4640, 0.3142, 0.5808



12.9476, 0.3227, 0.3522



31.4388, 0.3754, 0.5401



1.6567, 0.3844, 0.5330

Inverse Universe

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



5.9904, 0.1752, 0.0793



8.3373, 0.1634, 0.0674



11.9407, 0.2648, 0.1276



10.9795, 0.3021, 0.3053



3.2389, 0.1656, 0.0686



0.2043, 0.1866, 0.0801

Previews

White Background



This preview shows how the Yxy color 49.3631, 0.3771, 0.5324 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 49.3631, 0.3771, 0.5324 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 49.3631, 0.3771, 0.5324

Background



This preview shows how black text looks on a background with the Yxy color 49.3631, 0.3771, 0.5324.



This preview shows how white text looks on a background with the Yxy color 49.3631, 0.3771, 0.5324.

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

49.3631, 0.3771, 0.5324

Protanopia

48.8512, 0.4396, 0.4857

Deuteranopia

48.7032, 0.4641, 0.4533



Tritanopia

49.1625, 0.2898, 0.3097

Trichromacy



Original Color

49.3631, 0.3771, 0.5324

Protanomaly

48.6869, 0.4156, 0.5036

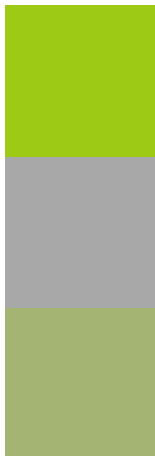
Deuteranomaly

47.9352, 0.4330, 0.4817

Tritanomaly

48.1616, 0.3333, 0.4062

Monochromacy



Original Color

49.3631, 0.3771, 0.5324

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.7728, 0.3509, 0.4222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3631, 0.3771, 0.5324 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(156, 202, 21)` looks like.

```
.text, #text, p{  
    color:rgb(156, 202, 21)  
}
```

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(156, 202, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 202, 21) }
```

Border

The CSS property to change the border of an element to Yxy 49.3631, 0.3771, 0.5324 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(156, 202, 21) }
```

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

```
.border{ border-color:rgb(156, 202, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 202, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 202, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 202, 21);  
box-shadow:4px 4px 4px 4px rgb(156, 202,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3631, 0.3771, 0.5324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 202, 21) }
```

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

```
.background{ background-color: rgb(156,  
202, 21) }
```

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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