

Converting Colors

$Yxy(48.8942, 0.3783, 0.5378)$

Have a look what the booklet for
Yxy(48.8942, 0.3783, 0.5378)
contains.

Yxy(48.6433, 0.3783, 0.5378)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6433, 0.3783, 0.5378)

Conversions

Conversions Part 1

Format	Color
Hex	9AC900
RGB	154, 201, 0
RGB Percent	60%, 79%, 0%
CMY	0.3960, 0.2118, 0.9995
CMYK	0.23, 0.00, 1.00, 0.21
HSL	74°, 100%, 39%
HSV	74°, 100%, 79%
XYZ	34.2167, 48.6433, 7.5886
YIQ	164.0330, 36.5090, -72.4750

Conversions

Conversions Part 2

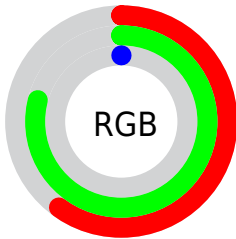
Format	Color
RYB	0, 201, 47
Decimal	10144000
CIELab	75.23, -37.54, 74.99
CIELCh	75, 83.857, 116.594
Yxy	48.6433, 0.3783, 0.5378
Android (android.graphics.Color)	4288334080 (0xFF9AC900)
YUV	164.0330, -80.8683, -8.7989
Hunter-Lab	69.7447, -34.4813, 42.3702

Details

The Yxy color **48.6433, 0.3783, 0.5378** 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 **4.8266, 0.1625, 0.0669**, and the grayscale version is **37.5305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2907, 0.3755, 0.5003**, and **23.4088, 0.3617, 0.5510** is the 20% darker color. If you saturate the color by 10%, you get **48.6423, 0.3783, 0.5378**, and if you desaturate by 10%, it is **49.1669, 0.3802, 0.5302**.

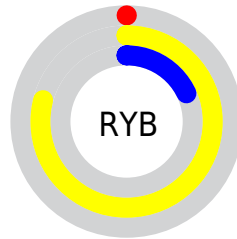
Distribution



Red (60%)

Green (79%)

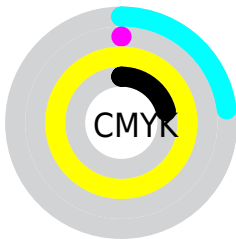
Blue (0%)



Red (0%)

Yellow (79%)

Blue (18%)

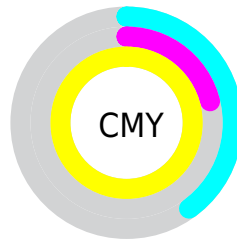


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (40%)


Magenta (21%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6433, 0.3783, 0.5378 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 48.6433, 0.3783, 0.5378 by changing the saturation by 10% instead.


 48.6433, 0.3783,
0.5378


 48.6433, 0.3783,
0.5378


381.3364, 0.3568,
0.4352


 34.3366, 0.3788,
0.5601


 88.1614, 0.3740,
0.5025

 23.1523, 0.3765,
0.5858


 114.1417, 0.3713,
0.4885


 14.7060, 0.3716,
0.6195


 144.7819, 0.3685,
0.4764

 8.6133, 0.3521,
0.6479

 180.4665, 0.3659,
0.4660

 4.4898, 0.3181,
0.6819

 221.5798, 0.3634,
0.4568

 1.9512, 0.2601,
0.7399

 268.5063, 0.3610,

 0.5789, 0.0000,

0.4487

1.0000

321.6304, 0.3588,
0.4416

■ 0.0000, 0.0000,
0.0000

■ 48.6433, 0.3783,
0.5378

■ 48.6433, 0.3783,
0.5378

■ 48.6423, 0.3783,
0.5378

■ 49.1669, 0.3802,
0.5302

■ 49.7597, 0.3801,
0.5186

■ 50.4422, 0.3774,
0.5024

■ 51.2243, 0.3722,
0.4820

■ 52.1142, 0.3648,
0.4585

■ 53.1194, 0.3558,
0.4328

■ 54.2465, 0.3456,
0.4061

■ 55.5015, 0.3347,
0.3794

■ 56.8901, 0.3236,
0.3535

Harmonies

Analogous

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



48.6433, 0.4704, 0.4765



48.6433, 0.3783, 0.5378



48.6433, 0.2761, 0.5231

Triad

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



48.6433, 0.3783, 0.5378



48.6433, 0.1323, 0.2025



48.6433, 0.4358, 0.2570

Complementary

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



48.6433, 0.3783, 0.5378



4.8266, 0.1625, 0.0669

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.



48.6433, 0.3164, 0.2036



48.6433, 0.3783, 0.5378



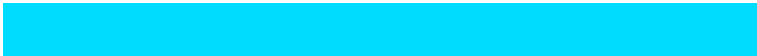
48.6433, 0.1569, 0.1715

Square

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



48.6433, 0.3783, 0.5378



48.6433, 0.1410, 0.2799



48.6433, 0.2171, 0.1737



48.6433, 0.5201, 0.3242

Rectangle

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



48.6433, 0.3783, 0.5378



48.6433, 0.2145, 0.4533



48.6433, 0.2171, 0.1737



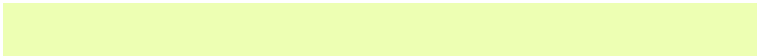
48.6433, 0.3967, 0.2371

Sweetspot

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



48.6455, 0.3783, 0.5378



92.7778, 0.3461, 0.4074



14.4505, 0.6119, 0.3522



19.6770, 0.3505, 0.4189



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.



48.6455, 0.3783, 0.5378



83.1707, 0.3777, 0.5383



42.5491, 0.3111, 0.5911



12.2872, 0.3230, 0.3521



30.6279, 0.3789, 0.5374



1.4815, 0.3877, 0.5303

Inverse Universe

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



4.8266, 0.1625, 0.0669



8.1693, 0.1615, 0.0663



10.4629, 0.2540, 0.1173



10.4052, 0.3018, 0.3054



3.0668, 0.1636, 0.0675



0.1794, 0.1855, 0.0795

Previews

White Background



This preview shows how the Yxy color 48.6433, 0.3783, 0.5378 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 48.6433, 0.3783, 0.5378 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 48.6433, 0.3783, 0.5378

Background



This preview shows how black text looks on a background with the Yxy color 48.6433, 0.3783, 0.5378.



This preview shows how white text looks on a background with the Yxy color 48.6433, 0.3783, 0.5378.

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

48.6433, 0.3783, 0.5378

Protanopia

48.1078, 0.4404, 0.4886

Deuteranopia

48.1172, 0.4656, 0.4547



Tritanopia

48.5756, 0.2897, 0.3096

Trichromacy



Original Color

48.6433, 0.3783, 0.5378

Protanomaly

47.9530, 0.4166, 0.5074

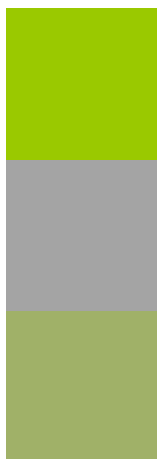
Deuteranomaly

47.1843, 0.4345, 0.4857

Tritanomaly

47.2836, 0.3377, 0.4166

Monochromacy



Original Color

48.6433, 0.3783, 0.5378

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

39.9173, 0.3567, 0.4352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6433, 0.3783, 0.5378 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, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 201, 0)  
}
```

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, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 201, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.6433, 0.3783, 0.5378 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, 201, 0) }
```

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

```
.border{ border-color:rgb(154, 201, 0) }
```

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

Here you see how a box with a 4 pixel rgb(154, 201, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(154, 201,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6433, 0.3783, 0.5378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 201, 0) }
```

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

```
.background{ background-color: rgb(154,  
201, 0) }
```

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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