

Converting Colors

$Y_{xy}(38.6854, 0.3757, 0.5647)$

Have a look what the booklet for
Yxy(38.6854, 0.3757, 0.5647)
contains.

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Color

Yxy(38.9481, 0.3675, 0.5464)

Conversions

Conversions Part 1

Format	Color
Hex	81B800
RGB	129, 184, 0
RGB Percent	51%, 72%, 0%
CMY	0.4940, 0.2784, 0.9999
CMYK	0.30, 0.00, 1.00, 0.28
HSL	78°, 100%, 36%
HSV	78°, 100%, 72%
XYZ	26.1959, 38.9481, 6.1373
YIQ	146.5790, 26.2840, -68.8840

Conversions

Conversions Part 2

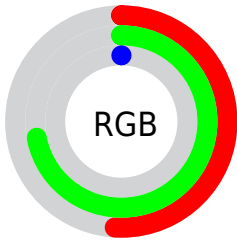
Format	Color
RYB	0, 184, 55
Decimal	8501248
CIELab	68.71, -39.76, 69.37
CIELCh	69, 79.959, 119.816
Yxy	38.9481, 0.3675, 0.5464
Android (android.graphics.Color)	4286691328 (0xFF81B800)
YUV	146.5790, -72.2634, -15.4168
Hunter-Lab	62.4084, -34.2895, 37.8552

Details

The Yxy color **38.9481, 0.3675, 0.5464** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.2738, 0.1701, 0.0711**, and the grayscale version is **29.2941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4350, 0.3656, 0.5063**, and **17.6103, 0.3455, 0.5639** is the 20% darker color. If you saturate the color by 10%, you get **38.9491, 0.3675, 0.5464**, and if you desaturate by 10%, it is **39.4372, 0.3703, 0.5375**.

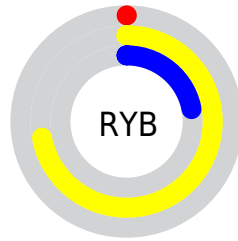
Distribution



Red (51%)

Green (72%)

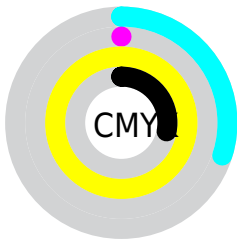
Blue (0%)



Red (0%)

Yellow (72%)

Blue (22%)

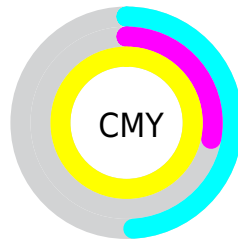


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (49%)


Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9481, 0.3675, 0.5464 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 38.9481, 0.3675, 0.5464 by changing the saturation by 10% instead.

 38.9481, 0.3675,
0.5464


 38.9481, 0.3675,
0.5464


341.6698, 0.3505,
0.4340


 26.7194, 0.3664,
0.5724


 73.5590, 0.3650,
0.5063

 17.3626, 0.3614,
0.6031


 96.7100, 0.3628,
0.4909


 10.4933, 0.3533,
0.6467


 124.2705, 0.3606,
0.4777

 5.7273, 0.3222,
0.6778

 156.6249, 0.3584,
0.4664

 2.6800, 0.2734,
0.7266

 194.1577, 0.3562,
0.4567

 0.9670, 0.0000,
1.0000

 237.2531, 0.3542,

 0.0000, 0.0000,

0.4481

0.0000

286.2957, 0.3523,
0.4406

■ 38.9481, 0.3675,
0.5464

■ 38.9481, 0.3675,
0.5464

■ 38.9491, 0.3675,
0.5464

■ 39.4372, 0.3703,
0.5375

■ 39.9906, 0.3710,
0.5245

■ 40.6259, 0.3693,
0.5068

■ 41.3513, 0.3652,
0.4851

■ 42.1737, 0.3590,
0.4604

■ 43.0991, 0.3511,
0.4339

■ 44.1330, 0.3421,
0.4066

■ 45.2804, 0.3325,
0.3796

■ 46.5462, 0.3226,
0.3535

Harmonies

Analogous

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



38.9481, 0.4639, 0.4870



38.9481, 0.3675, 0.5464



38.9481, 0.2636, 0.5206

Triad

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



38.9481, 0.3675, 0.5464



38.9481, 0.1300, 0.1941



38.9481, 0.4511, 0.2620

Complementary

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



38.9481, 0.3675, 0.5464



4.2738, 0.1701, 0.0711

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.



38.9481, 0.3292, 0.2059



38.9481, 0.3675, 0.5464



38.9481, 0.1585, 0.1671

Square

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



38.9481, 0.3675, 0.5464



38.9481, 0.1348, 0.2669



38.9481, 0.2238, 0.1727



38.9481, 0.5301, 0.3310

Rectangle

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



38.9481, 0.3675, 0.5464



38.9481, 0.2029, 0.4423



38.9481, 0.2238, 0.1727



38.9481, 0.4120, 0.2413

Sweetspot

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



38.9498, 0.3675, 0.5464



79.9007, 0.3426, 0.4080



12.6602, 0.6001, 0.3617



17.0516, 0.3465, 0.4194



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9498, 0.3675, 0.5464



70.4754, 0.3667, 0.5471



34.7302, 0.3079, 0.5937



10.3650, 0.3219, 0.3519



26.8813, 0.3681, 0.5459



0.9781, 0.3819, 0.5350

Inverse Universe

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



4.2738, 0.1701, 0.0711



7.6373, 0.1687, 0.0703



9.4032, 0.2666, 0.1242



8.8461, 0.3030, 0.3057



2.9773, 0.1712, 0.0717



0.1382, 0.2013, 0.0883

Previews

White Background



This preview shows how the Yxy color 38.9481, 0.3675, 0.5464 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 38.9481, 0.3675, 0.5464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

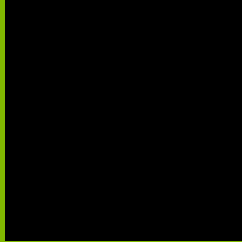
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9481, 0.3675, 0.5464

Background



This preview shows how black text looks on a background with the Yxy color 38.9481, 0.3675, 0.5464.



This preview shows how white text looks on a background with the Yxy color 38.9481, 0.3675, 0.5464.

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

38.9481, 0.3675, 0.5464

Deuteranopia

38.2767, 0.4639, 0.4540

Tritanopia

38.8316, 0.2812, 0.3089

Trichromacy



Original Color

38.9481, 0.3675, 0.5464

Deuteranomaly

37.5191, 0.4299, 0.4885

Tritanomaly

37.9341, 0.3274, 0.4194

Monochromacy



Original Color

38.9481, 0.3675, 0.5464

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.5252, 0.3516, 0.4362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9481, 0.3675, 0.5464 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(129, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 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(129, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.9481, 0.3675, 0.5464 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(129, 184, 0) }
```

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

```
.border{ border-color:rgb(129, 184, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 38.9481, 0.3675, 0.5464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 0) }
```

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

```
.background{ background-color: rgb(129,  
184, 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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