

Converting Colors

$Y_{xy}(47.1202, 0.3676, 0.5293)$

Have a look what the booklet for
Yxy(47.1202, 0.3676, 0.5293)
contains.

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Color

Yxy(47.1898, 0.3677, 0.5290)

Conversions

Conversions Part 1

Format	Color
Hex	93C726
RGB	147, 199, 38
RGB Percent	58%, 78%, 15%
CMY	0.4237, 0.2196, 0.8509
CMYK	0.26, 0.00, 0.81, 0.22
HSL	79°, 68%, 46%
HSV	79°, 81%, 78%
XYZ	32.8009, 47.1898, 9.2149
YIQ	165.0980, 20.6890, -61.0950

Conversions

Conversions Part 2

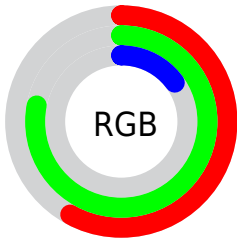
Format	Color
R _Y B	38, 199, 90
Decimal	9684774
CIE Lab	74.31, -38.56, 67.90
CIE LCh	74, 78.083, 119.591
Yxy	47.1898, 0.3677, 0.5290
Android (android.graphics.Color)	4287874854 (0xFF93C726)
YUV	165.0980, -62.6593, -15.8719
Hunter-Lab	68.6948, -34.9844, 40.1330

Details

The Yxy color **47.1898, 0.3677, 0.5290** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **7.6894, 0.1961, 0.0990**, and the grayscale version is **37.9742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3810, 0.3645, 0.4929**, and **22.4749, 0.3566, 0.5550** is the 20% darker color. If you saturate the color by 10%, you get **46.5177, 0.3662, 0.5418**, and if you desaturate by 10%, it is **47.9680, 0.3667, 0.5114**.

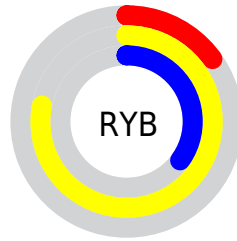
Distribution



Red (58%)

Green (78%)

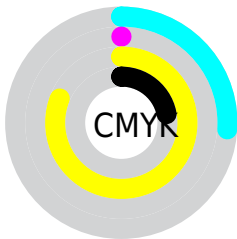
Blue (15%)



Red (15%)

Yellow (78%)

Blue (35%)

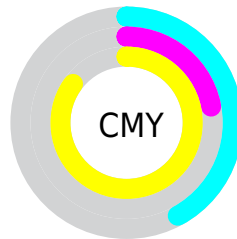


Cyan (26%)

Magenta (0%)

Yellow (81%)

Black (22%)



Cyan (42%)


Magenta (22%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1898, 0.3677, 0.5290 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 47.1898, 0.3677, 0.5290 by changing the saturation by 10% instead.


 47.1898, 0.3677,
0.5290

 47.1898, 0.3677,
0.5290


375.5716, 0.3493,
0.4281


 33.1857, 0.3683,
0.5522


 85.9969, 0.3638,
0.4934

 22.2688, 0.3664,
0.5799


 111.5686, 0.3615,
0.4796

 14.0545, 0.3603,
0.6137

 141.7651, 0.3592,
0.4678

 8.1586, 0.3457,
0.6543

 176.9707, 0.3569,
0.4576

 4.1966, 0.3093,
0.6907

 217.5697, 0.3548,
0.4488

 1.7841, 0.2404,
0.7596

 263.9466, 0.3529,


 0.4773, 0.0000,


0.4410


1.0000


316.4858, 0.3510,
0.4342

 0.0000, 0.0000,
0.0000

 47.1898, 0.3677,
0.5290

 47.1898, 0.3677,
0.5290


 46.5177, 0.3662,
0.5418


 47.9680, 0.3667,
0.5114

 45.9756, 0.3631,
0.5499

 48.8560, 0.3633,
0.4895

 49.8647, 0.3577,
0.4645

 51.0016, 0.3504,
0.4376

 52.2735, 0.3419,
0.4099

■ 53.6866, 0.3326,
0.3825

■ 55.2469, 0.3231,
0.3560

■ 56.9597, 0.3136,
0.3311

■ 58.8302, 0.3043,
0.3081

Harmonies

Analogous

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



47.1898, 0.4568, 0.4786



47.1898, 0.3677, 0.5290



47.1898, 0.2702, 0.5025

Triad

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



47.1898, 0.3677, 0.5290



47.1898, 0.1410, 0.2045



47.1898, 0.4392, 0.2670

Complementary

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



47.1898, 0.3677, 0.5290



7.6894, 0.1961, 0.0990

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.



47.1898, 0.3278, 0.2137



47.1898, 0.3677, 0.5290



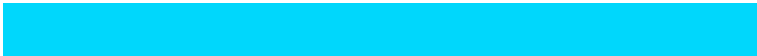
47.1898, 0.1680, 0.1776

Square

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



47.1898, 0.3677, 0.5290



47.1898, 0.1466, 0.2740



47.1898, 0.2300, 0.1823



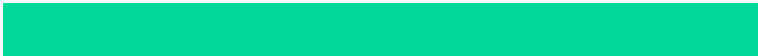
47.1898, 0.5126, 0.3330

Rectangle

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



47.1898, 0.3677, 0.5290



47.1898, 0.2128, 0.4328



47.1898, 0.2300, 0.1823



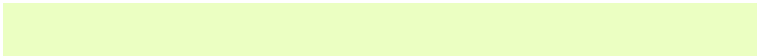
47.1898, 0.4034, 0.2473

Sweetspot

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



47.1919, 0.3677, 0.5290



93.1044, 0.3359, 0.3919



19.4293, 0.5383, 0.3806



19.7373, 0.3392, 0.4018



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.



47.1919, 0.3677, 0.5290



80.6536, 0.3636, 0.5483



42.2049, 0.3121, 0.5696



12.2385, 0.3216, 0.3522



29.6083, 0.3639, 0.5493



1.4398, 0.3758, 0.5398

Inverse Universe

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



7.6894, 0.1961, 0.0990



9.4425, 0.1744, 0.0745



14.0021, 0.2839, 0.1447



10.4512, 0.3032, 0.3055



3.4021, 0.1740, 0.0732



0.2005, 0.1980, 0.0864

Previews

White Background



This preview shows how the Yxy color 47.1898, 0.3677, 0.5290 looks on a white background.

Color Contrast Check

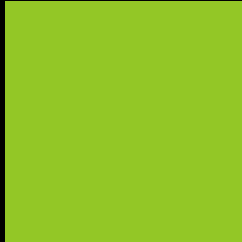
Large Text (above 18pt) WCAG AA × Fail

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 47.1898, 0.3677, 0.5290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

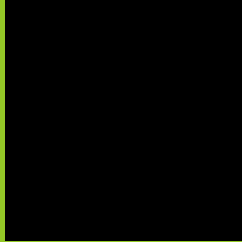
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1898, 0.3677, 0.5290

Background



This preview shows how black text looks on a background with the Yxy color 47.1898, 0.3677, 0.5290.



This preview shows how white text looks on a background with the Yxy color 47.1898, 0.3677, 0.5290.

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

47.1898, 0.3677, 0.5290

Protanopia

46.9616, 0.4340, 0.4807

Deuteranopia

46.6291, 0.4576, 0.4487



Tritanopia

46.8674, 0.2856, 0.3092

Trichromacy



Original Color

47.1898, 0.3677, 0.5290

Protanomaly

46.7069, 0.4090, 0.4992

Deuteranomaly

45.8032, 0.4250, 0.4772

Tritanomaly

46.0191, 0.3233, 0.3986

Monochromacy



Original Color

47.1898, 0.3677, 0.5290

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

40.0453, 0.3431, 0.4144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1898, 0.3677, 0.5290 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(147, 199, 38)` looks like.

```
.text, #text, p{  
    color:rgb(147, 199, 38)  
}
```

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(147, 199, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 199, 38) }
```

Border

The CSS property to change the border of an element to Yxy 47.1898, 0.3677, 0.5290 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(147, 199, 38) }
```

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

```
.border{ border-color:rgb(147, 199, 38) }
```

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

Here you see how a box with a 4 pixel rgb(147, 199, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 199, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 199, 38);  
box-shadow:4px 4px 4px 4px rgb(147, 199,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1898, 0.3677, 0.5290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 199, 38) }
```

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

```
.background{ background-color: rgb(147,  
199, 38) }
```

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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