

Converting Colors

$Y_{xy}(47.0276, 0.3594, 0.4870)$

Have a look what the booklet for
Yxy(47.0276, 0.3594, 0.4870)
contains.

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Color

Yxy(47.0276, 0.3594, 0.4870)

Conversions

Conversions Part 1

Format	Color
Hex	9BC450
RGB	155, 196, 80
RGB Percent	61%, 77%, 31%
CMY	0.3921, 0.2314, 0.6864
CMYK	0.21, 0.00, 0.59, 0.23
HSL	81°, 50%, 54%
HSV	81°, 59%, 77%
XYZ	34.7058, 47.0276, 14.8325
YIQ	170.5170, 12.8000, -44.7680

Conversions

Conversions Part 2

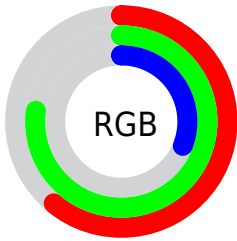
Format	Color
RYB	80, 196, 121
Decimal	10208336
CIELab	74.21, -31.45, 52.62
CIELCh	74, 61.304, 120.865
Yxy	47.0276, 0.3594, 0.4870
Android (android.graphics.Color)	4288398416 (0xFF9BC450)
YUV	170.5170, -44.6249, -13.6084
Hunter-Lab	68.5767, -29.6726, 35.1798

Details

The Yxy color **47.0276, 0.3594, 0.4870** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **13.7829, 0.2346, 0.1561**, and the grayscale version is **40.6934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9411, 0.3543, 0.4578**, and **22.1213, 0.3632, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **46.1153, 0.3627, 0.5101**, and if you desaturate by 10%, it is **48.0678, 0.3540, 0.4610**.

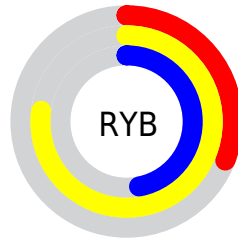
Distribution



Red (61%)

Green (77%)

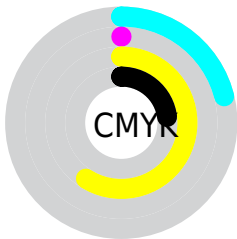
Blue (31%)



Red (31%)

Yellow (77%)

Blue (47%)

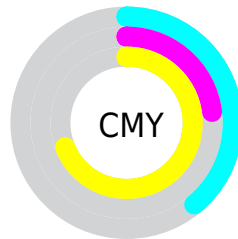


Cyan (21%)

Magenta (0%)

Yellow (59%)

Black (23%)



Cyan (39%)

Magenta (23%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0276, 0.3594, 0.4870 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 47.0276, 0.3594, 0.4870 by changing the saturation by 10% instead.


 47.0276, 0.3594,
0.4870

 47.0276, 0.3594,
0.4870


374.9247, 0.3408,
0.4059

 33.0575, 0.3619,
0.5069


 85.7548, 0.3541,
0.4576

 22.1705, 0.3637,
0.5318


 111.2807, 0.3517,
0.4464

 13.9822, 0.3633,
0.5632


 141.4273, 0.3494,
0.4370

 8.1083, 0.3600,
0.6067

 176.5790, 0.3474,
0.4290

 4.1643, 0.3426,
0.6574

 217.1202, 0.3455,
0.4220

 1.7659, 0.2917,
0.7083

263.4353, 0.3438,

 0.4658, 0.0000,

0.4160

1.0000

315.9086, 0.3422,
0.4106

0.0000, 0.0000,
0.0000

47.0276, 0.3594,
0.4870

47.0276, 0.3594,
0.4870

46.1153, 0.3627,
0.5101

48.0678, 0.3540,
0.4610

45.3165, 0.3637,
0.5291

49.2371, 0.3470,
0.4335

44.6236, 0.3622,
0.5433

50.5441, 0.3389,
0.4055

44.0205, 0.3586,
0.5530

51.9949, 0.3301,
0.3780

43.9742, 0.3583,
0.5537

53.5953, 0.3210,
0.3517

■ 55.3505, 0.3120,
0.3271

■ 57.2656, 0.3032,
0.3044

■ 59.3453, 0.2949,
0.2837

■ 61.5050, 0.2879,
0.2663

Harmonies

Analogous

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



47.0276, 0.4317, 0.4575



47.0276, 0.3594, 0.4870



47.0276, 0.2790, 0.4579

Triad

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



47.0276, 0.3594, 0.4870



47.0276, 0.1703, 0.2276



47.0276, 0.4161, 0.2822

Complementary

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



47.0276, 0.3594, 0.4870



13.7829, 0.2346, 0.1561

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.



47.0276, 0.3299, 0.2357



47.0276, 0.3594, 0.4870



47.0276, 0.1951, 0.2038

Square

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



47.0276, 0.3594, 0.4870



47.0276, 0.1752, 0.2852



47.0276, 0.2495, 0.2079



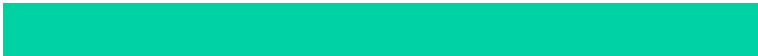
47.0276, 0.4725, 0.3397

Rectangle

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



47.0276, 0.3594, 0.4870



47.0276, 0.2317, 0.4050



47.0276, 0.2495, 0.2079



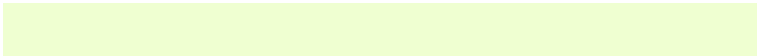
47.0276, 0.3888, 0.2650

Sweetspot

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



47.0297, 0.3594, 0.4870



94.4412, 0.3292, 0.3755



25.8897, 0.4570, 0.3816



20.0405, 0.3319, 0.3835



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.



47.0297, 0.3594, 0.4870



83.0938, 0.3633, 0.5161



42.6228, 0.3143, 0.5122



11.5746, 0.3212, 0.3521



28.3038, 0.3591, 0.5530



1.2603, 0.3728, 0.5422

Inverse Universe

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



13.7829, 0.2346, 0.1561



17.5075, 0.2138, 0.1209



19.2559, 0.2987, 0.1836



9.9172, 0.3037, 0.3056



3.4238, 0.1783, 0.0756



0.1868, 0.2045, 0.0900

Previews

White Background



This preview shows how the Yxy color 47.0276, 0.3594, 0.4870 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 47.0276, 0.3594, 0.4870 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 47.0276, 0.3594, 0.4870

Background



This preview shows how black text looks on a background with the Yxy color 47.0276, 0.3594, 0.4870.



This preview shows how white text looks on a background with the Yxy color 47.0276, 0.3594, 0.4870.

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

47.0276, 0.3594, 0.4870

Protanopia

46.5343, 0.4135, 0.4540

Deuteranopia

46.4226, 0.4337, 0.4247



Tritanopia

46.9042, 0.2908, 0.3107

Trichromacy



Original Color

47.0276, 0.3594, 0.4870

Protanomaly

46.3908, 0.3934, 0.4666

Deuteranomaly

45.8300, 0.4064, 0.4469

Tritanomaly

46.3323, 0.3188, 0.3748

Monochromacy



Original Color

47.0276, 0.3594, 0.4870

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.4768, 0.3335, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0276, 0.3594, 0.4870 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(155, 196, 80)` looks like.

```
.text, #text, p{  
    color:rgb(155, 196, 80)  
}
```

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(155, 196, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 196, 80) }
```

Border

The CSS property to change the border of an element to Yxy 47.0276, 0.3594, 0.4870 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(155, 196, 80) }
```

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

```
.border{ border-color:rgb(155, 196, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 196, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 196, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 196, 80);  
box-shadow:4px 4px 4px 4px rgb(155, 196,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0276, 0.3594, 0.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 196, 80) }
```

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

```
.background{ background-color: rgb(155,  
196, 80) }
```

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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