

Converting Colors

$Yxy(47.0399, 0.3321, 0.4392)$

Have a look what the booklet for
Yxy(47.0399, 0.3321, 0.4392)
contains.

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Color

Yxy(46.9175, 0.3329, 0.4394)

Conversions

Conversions Part 1

Format	Color
Hex	97C376
RGB	151, 195, 118
RGB Percent	59%, 76%, 46%
CMY	0.4079, 0.2353, 0.5374
CMYK	0.23, 0.00, 0.40, 0.24
HSL	94°, 39%, 61%
HSV	94°, 40%, 76%
XYZ	35.5458, 46.9175, 24.3130
YIQ	173.0660, -1.5070, -33.2750

Conversions

Conversions Part 2

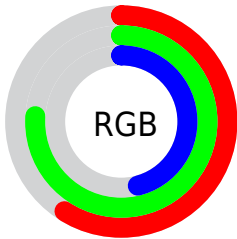
Format	Color
RYB	118, 195, 162
Decimal	9945974
CIELab	74.14, -28.29, 34.07
CIELCh	74, 44.284, 129.698
Yxy	46.9175, 0.3329, 0.4394
Android (android.graphics.Color)	4288136054 (0xFF97C376)
YUV	173.0660, -27.1475, -19.3519
Hunter-Lab	68.4964, -27.2370, 26.9023

Details

The Yxy color **46.9175, 0.3329, 0.4394** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.5704, 0.2825, 0.2223**, and the grayscale version is **41.9657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6829, 0.3301, 0.4184**, and **22.0638, 0.3351, 0.4737** is the 20% darker color. If you saturate the color by 10%, you get **45.4869, 0.3362, 0.4701**, and if you desaturate by 10%, it is **48.5487, 0.3285, 0.4090**.

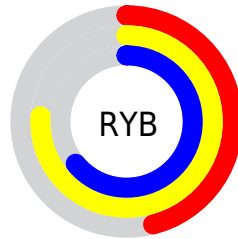
Distribution



Red (59%)

Green (76%)

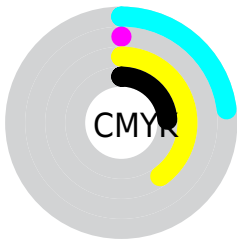
Blue (46%)



Red (46%)

Yellow (76%)

Blue (64%)

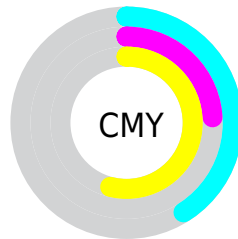


Cyan (23%)

Magenta (0%)

Yellow (40%)

Black (24%)



Cyan (41%)


Magenta (24%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9175, 0.3329, 0.4394 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 46.9175, 0.3329, 0.4394 by changing the saturation by 10% instead.


 46.9175, 0.3329,
0.4394


 46.9175, 0.3329,
0.4394


374.4851, 0.3247,
0.3819


 32.9704, 0.3342,
0.4543


 85.5905, 0.3305,
0.4180

 22.1038, 0.3353,
0.4736


 111.0852, 0.3294,
0.4102

 13.9332, 0.3358,
0.4996

 141.1978, 0.3284,
0.4035

 8.0742, 0.3344,
0.5359

176.3129, 0.3275,
0.3979

 4.1425, 0.3304,
0.5940

216.8148, 0.3267,
0.3931

 1.7536, 0.3125,
0.6875

263.0879, 0.3260,

 0.4580, 0.0000,

0.3888

1.0000

315.5165, 0.3253,
0.3851

0.0000, 0.0000,
0.0000

46.9175, 0.3329,
0.4394

46.9175, 0.3329,
0.4394

45.4869, 0.3362,
0.4701

48.5487, 0.3285,
0.4090

44.2421, 0.3381,
0.4997

50.3826, 0.3234,
0.3799

43.1757, 0.3383,
0.5266


52.4288, 0.3180,
0.3527


42.2770, 0.3364,
0.5493


54.6944, 0.3124,
0.3278

41.5340, 0.3326,
0.5663

57.1863, 0.3070,
0.3053


 40.9271, 0.3275,
0.5779

 59.9109, 0.3017,
0.2852

 40.8995, 0.3272,
0.5784

 62.8746, 0.2966,
0.2672

 64.7998, 0.3044,
0.2682

 66.8113, 0.3127,
0.2698

Harmonies

Analogous

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



46.9175, 0.3896, 0.4345



46.9175, 0.3329, 0.4394



46.9175, 0.2737, 0.4042

Triad

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



46.9175, 0.3329, 0.4394



46.9175, 0.2075, 0.2464



46.9175, 0.4028, 0.3079

Complementary

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



46.9175, 0.3329, 0.4394



24.5704, 0.2825, 0.2223

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.



46.9175, 0.3452, 0.2678



46.9175, 0.3329, 0.4394



46.9175, 0.2343, 0.2329

Square

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



46.9175, 0.3329, 0.4394



46.9175, 0.2050, 0.2841



46.9175, 0.2830, 0.2411



46.9175, 0.4339, 0.3547

Rectangle

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



46.9175, 0.3329, 0.4394



46.9175, 0.2408, 0.3643



46.9175, 0.2830, 0.2411



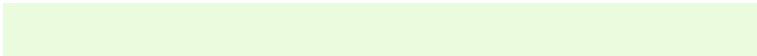
46.9175, 0.3856, 0.2935

Sweetspot

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



46.9195, 0.3329, 0.4394



92.8726, 0.3195, 0.3598



38.6192, 0.3871, 0.3870



20.2293, 0.3202, 0.3634



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.



46.9195, 0.3329, 0.4394



81.8921, 0.3357, 0.4647



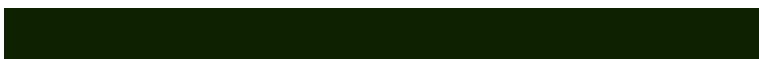
44.3155, 0.3038, 0.4405



11.4652, 0.3179, 0.3523



26.6281, 0.3282, 0.5776



1.1911, 0.3463, 0.5632

Inverse Universe

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



24.5704, 0.2825, 0.2223



36.5499, 0.2741, 0.1989



28.2655, 0.3226, 0.2383



10.0256, 0.3071, 0.3058



4.8248, 0.2179, 0.0974



0.2485, 0.2405, 0.1099

Previews

White Background



This preview shows how the Yxy color 46.9175, 0.3329, 0.4394 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 46.9175, 0.3329, 0.4394 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 46.9175, 0.3329, 0.4394

Background



This preview shows how black text looks on a background with the Yxy color 46.9175, 0.3329, 0.4394.



This preview shows how white text looks on a background with the Yxy color 46.9175, 0.3329, 0.4394.

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

46.9175, 0.3329, 0.4394

Protanopia

46.6539, 0.3839, 0.4165

Deuteranopia

46.6076, 0.3987, 0.3902



Tritanopia

46.6546, 0.2841, 0.3091

Trichromacy



Original Color

46.9175, 0.3329, 0.4394

Protanomaly

46.6022, 0.3641, 0.4251

Deuteranomaly

46.3057, 0.3737, 0.4079

Tritanomaly

46.6684, 0.3026, 0.3553

Monochromacy



Original Color

46.9175, 0.3329, 0.4394

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.3470, 0.3212, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9175, 0.3329, 0.4394 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(151, 195, 118)` looks like.

```
.text, #text, p{  
    color:rgb(151, 195, 118)  
}
```

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(151, 195, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 195, 118) }
```

Border

The CSS property to change the border of an element to Yxy 46.9175, 0.3329, 0.4394 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(151, 195, 118) }
```

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

```
.border{ border-color:rgb(151, 195, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 195, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 195, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 195, 118);  
box-shadow:4px 4px 4px 4px rgb(151, 195,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9175, 0.3329, 0.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 195, 118) }
```

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

```
.background{ background-color: rgb(151,  
195, 118) }
```

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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