

Converting Colors

$Yxy(47.5450, 0.3392, 0.4405)$

Have a look what the booklet for
Yxy(47.5450, 0.3392, 0.4405)
contains.

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Color

Yxy(47.4593, 0.3393, 0.4403)

Conversions

Conversions Part 1

Format	Color
Hex	9DC374
RGB	157, 195, 116
RGB Percent	62%, 76%, 45%
CMY	0.3843, 0.2353, 0.5451
CMYK	0.19, 0.00, 0.41, 0.24
HSL	89°, 40%, 61%
HSV	89°, 41%, 76%
XYZ	36.5727, 47.4593, 23.7566
YIQ	174.6320, 2.7110, -32.6250

Conversions

Conversions Part 2

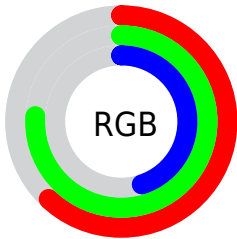
Format	Color
RYB	116, 195, 154
Decimal	10339188
CIELab	74.48, -26.34, 35.60
CIELCh	74, 44.286, 126.496
Yxy	47.4593, 0.3393, 0.4403
Android (android.graphics.Color)	4288529268 (0xFF9DC374)
YUV	174.6320, -28.9056, -15.4633
Hunter-Lab	68.8907, -25.7968, 27.7777

Details

The Yxy color **47.4593, 0.3393, 0.4403** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.3026, 0.2742, 0.2172**, and the grayscale version is **42.8221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6315, 0.3359, 0.4192**, and **22.3862, 0.3434, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **46.1465, 0.3440, 0.4697**, and if you desaturate by 10%, it is **48.9439, 0.3335, 0.4108**.

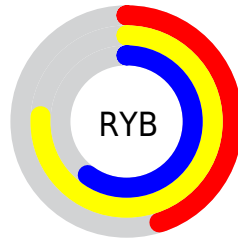
Distribution



Red (62%)

Green (76%)

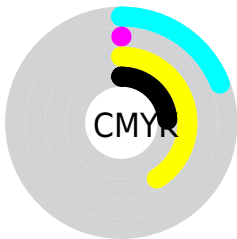
Blue (45%)



Red (45%)

Yellow (76%)

Blue (60%)

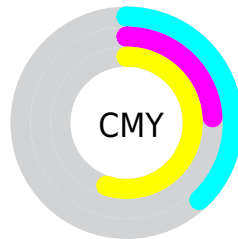


Cyan (19%)

Magenta (0%)

Yellow (41%)

Black (24%)



Cyan (38%)

Magenta (24%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4593, 0.3393, 0.4403 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 47.4593, 0.3393, 0.4403 by changing the saturation by 10% instead.


 47.4593, 0.3393,
0.4403

 47.4593, 0.3393,
0.4403


376.6449, 0.3280,
0.3826

 33.3989, 0.3413,
0.4551


 86.3988, 0.3358,
0.4190

 22.4322, 0.3433,
0.4742


 112.0467, 0.3342,
0.4111

 14.1748, 0.3450,
0.4996


 142.3259, 0.3329,
0.4045

 8.2424, 0.3451,
0.5347

177.6207, 0.3317,
0.3988

 4.2504, 0.3441,
0.5915

218.3157, 0.3306,
0.3939

 1.8146, 0.3270,
0.6730

264.7951, 0.3297,

 0.4963, 0.0000,

0.3897

1.0000

317.4434, 0.3288,
0.3859

■ 0.0000, 0.0000,
0.0000

■ 47.4593, 0.3393,
0.4403

■ 47.4593, 0.3393,
0.4403

■ 46.1465, 0.3440,
0.4697

■ 48.9439, 0.3335,
0.4108

■ 44.9918, 0.3470,
0.4976

■ 50.6012, 0.3270,
0.3822

■ 43.9887, 0.3481,
0.5226


■ 52.4398, 0.3201,
0.3552


■ 43.1280, 0.3470,
0.5433

■ 54.4660, 0.3131,
0.3302


■ 42.3988, 0.3436,
0.5588

■ 56.6855, 0.3062,
0.3074

 41.8103, 0.3390,
0.5691

 59.1041, 0.2996,
0.2868

 61.7270, 0.2933,
0.2683

 63.4151, 0.2985,
0.2671

 65.0274, 0.3054,
0.2684

Harmonies

Analogous

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



47.4593, 0.3946, 0.4315



47.4593, 0.3393, 0.4403



47.4593, 0.2798, 0.4094

Triad

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



47.4593, 0.3393, 0.4403



47.4593, 0.2064, 0.2496



47.4593, 0.3973, 0.3033

Complementary

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



47.4593, 0.3393, 0.4403



23.3026, 0.2742, 0.2172

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.



47.4593, 0.3383, 0.2644



47.4593, 0.3393, 0.4403



47.4593, 0.2306, 0.2335

Square

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



47.4593, 0.3393, 0.4403



47.4593, 0.2066, 0.2897



47.4593, 0.2771, 0.2396



47.4593, 0.4318, 0.3496

Rectangle

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



47.4593, 0.3393, 0.4403



47.4593, 0.2458, 0.3710



47.4593, 0.2771, 0.2396



47.4593, 0.3793, 0.2892

Sweetspot

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



47.4614, 0.3393, 0.4403



93.3421, 0.3212, 0.3596



35.6038, 0.3936, 0.3784



20.3422, 0.3222, 0.3632



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.



47.4614, 0.3393, 0.4403



82.8126, 0.3437, 0.4675



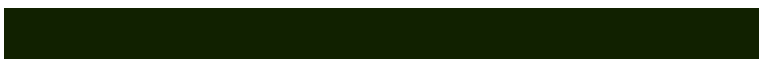
44.1893, 0.3088, 0.4515



11.5101, 0.3193, 0.3523



27.2236, 0.3399, 0.5683



1.2171, 0.3569, 0.5548

Inverse Universe

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



23.3026, 0.2742, 0.2172



33.4149, 0.2626, 0.1897



27.6870, 0.3145, 0.2296



9.9803, 0.3057, 0.3057



4.1502, 0.1997, 0.0874



0.2203, 0.2249, 0.1012

Previews

White Background



This preview shows how the Yxy color 47.4593, 0.3393, 0.4403 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 47.4593, 0.3393, 0.4403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

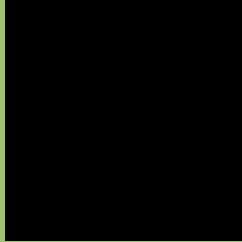
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4593, 0.3393, 0.4403

Background



This preview shows how black text looks on a background with the Yxy color 47.4593, 0.3393, 0.4403.



This preview shows how white text looks on a background with the Yxy color 47.4593, 0.3393, 0.4403.

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

47.4593, 0.3393, 0.4403

Protanopia

47.2940, 0.3868, 0.4193

Deuteranopia

47.1005, 0.4008, 0.3933



Tritanopia

47.3031, 0.2887, 0.3094

Trichromacy



Original Color

47.4593, 0.3393, 0.4403

Protanomaly

46.9232, 0.3684, 0.4266

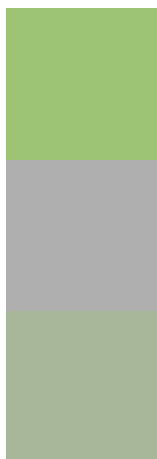
Deuteranomaly

46.5236, 0.3772, 0.4098

Tritanomaly

47.2591, 0.3082, 0.3563

Monochromacy



Original Color

47.4593, 0.3393, 0.4403

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.1138, 0.3229, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4593, 0.3393, 0.4403 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(157, 195, 116)` looks like.

```
.text, #text, p{  
    color:rgb(157, 195, 116)  
}
```

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(157, 195, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 195, 116) }
```

Border

The CSS property to change the border of an element to Yxy 47.4593, 0.3393, 0.4403 is called "border". The border property can be set on classes, ids or directly on the HTML element.

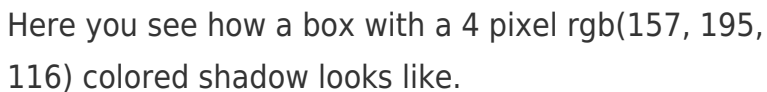
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 195, 116) }
```

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

```
.border{ border-color:rgb(157, 195, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 195, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 195, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 195, 116); box-shadow:4px 4px 4px 4px rgb(157, 195, 116) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4593, 0.3393, 0.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 195, 116) }
```

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

```
.background{ background-color: rgb(157,  
195, 116) }
```

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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