

# Converting Colors

$Yxy(38.6419, 0.3480, 0.4151)$

Have a look what the booklet for  
Yxy(38.6419, 0.3480, 0.4151)  
contains.

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# Color

**Yxy(38.4959, 0.3485, 0.4149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FAD73
RGB	159, 173, 115
RGB Percent	62%, 68%, 45%
CMY	0.3765, 0.3215, 0.5489
CMYK	0.08, 0.00, 0.34, 0.32
HSL	75°, 26%, 56%
HSV	75°, 34%, 68%
XYZ	32.3351, 38.4959, 21.9526
YIQ	162.2020, 10.2740, -21.0060

# Conversions

## Conversions Part 2

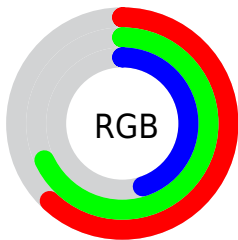
Format	Color
<a href="#">RYB</a>	<a href="#">115, 173, 129</a>
Decimal	<a href="#">10464627</a>
CIELab	<a href="#">68.38, -14.68, 28.22</a>
CIELCh	<a href="#">68, 31.807, 117.489</a>
Yxy	<a href="#">38.4959, 0.3485, 0.4149</a>
Android (android.graphics.Color)	<a href="#">4288654707 (0xFF9FAD73)</a>
YUV	<a href="#">162.2020, -23.2706, -2.8082</a>
Hunter-Lab	<a href="#">62.0451, -15.5528, 22.4537</a>

# Details

The Yxy color **38.4959, 0.3485, 0.4149** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.9550, 0.2679, 0.2351**, and the grayscale version is **36.3391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5730, 0.3426, 0.3981**, and **17.1939, 0.3577, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **37.7154, 0.3581, 0.4412**, and if you desaturate by 10%, it is **39.3690, 0.3380, 0.3883**.

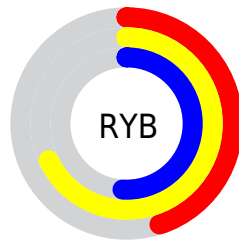
# Distribution



Red (62%)

Green (68%)

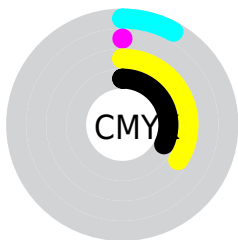
Blue (45%)



Red (45%)

Yellow (68%)

Blue (51%)

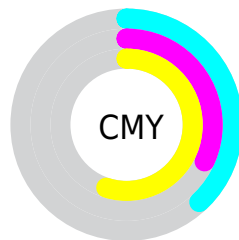


Cyan (8%)

Magenta (0%)

Yellow (34%)

Black (32%)



Cyan (38%)

Magenta (32%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4959, 0.3485, 0.4149 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 38.4959, 0.3485, 0.4149 by changing the saturation by 10% instead.





 38.4959, 0.3485,  
0.4149


 38.4959, 0.3485,  
0.4149


339.7425, 0.3311,  
0.3695


 26.3678, 0.3525,  
0.4269

 72.8676, 0.3424,  
0.3979

 17.0990, 0.3574,  
0.4426


 95.8800, 0.3400,  
0.3917

 10.3051, 0.3633,  
0.4641


 123.2892, 0.3380,  
0.3865

 5.6017, 0.3699,  
0.4946

155.4797, 0.3362,  
0.3820

 2.6044, 0.3886,  
0.5591

192.8359, 0.3347,  
0.3783

 0.9289, 0.3606,  
0.6394

235.7422, 0.3333,

 0.0000, 0.0000,

0.3750

0.0000

284.5829, 0.3321,  
0.3721

■ 38.4959, 0.3485,  
0.4149

■ 38.4959, 0.3485,  
0.4149

■ 37.7154, 0.3581,  
0.4412

■ 39.3690, 0.3380,  
0.3883

■ 37.0181, 0.3665,  
0.4662

■ 40.3337, 0.3272,  
0.3623

■ 36.4010, 0.3730,  
0.4889


■ 41.3954, 0.3165,  
0.3374


■ 35.8587, 0.3774,  
0.5081

■ 42.5575, 0.3059,  
0.3140

■ 35.3852, 0.3792,  
0.5231

■ 43.8234, 0.2959,  
0.2924


 34.9733, 0.3786,  
0.5335

 45.1963, 0.2864,  
0.2726

 34.7288, 0.3773,  
0.5386

 46.6792, 0.2776,  
0.2546

 48.2749, 0.2695,  
0.2383

 48.9313, 0.2715,  
0.2376

# Harmonies

## Analogous

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



38.4959, 0.3875, 0.4030



38.4959, 0.3485, 0.4149



38.4959, 0.3017, 0.3994

# Triad

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



38.4959, 0.3485, 0.4149



38.4959, 0.2265, 0.2754



38.4959, 0.3656, 0.2992

# Complementary

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



38.4959, 0.3485, 0.4149



19.9550, 0.2679, 0.2351

# 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.



38.4959, 0.3183, 0.2706



38.4959, 0.3485, 0.4149



38.4959, 0.2404, 0.2558

# Square

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



38.4959, 0.3485, 0.4149



38.4959, 0.2332, 0.3126



38.4959, 0.2728, 0.2549



38.4959, 0.3990, 0.3355



# Rectangle

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



38.4959, 0.3485, 0.4149



38.4959, 0.2725, 0.3747



38.4959, 0.2728, 0.2549



38.4959, 0.3506, 0.2885

# Sweetspot

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



38.4976, 0.3485, 0.4149



72.8449, 0.3236, 0.3538



25.7065, 0.3824, 0.3496



15.7760, 0.3251, 0.3573



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



38.4976, 0.3485, 0.4149



67.9194, 0.3555, 0.4339



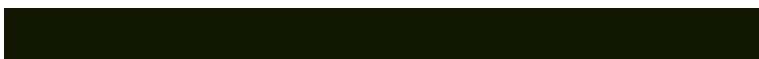
35.9125, 0.3216, 0.4227



9.2312, 0.3227, 0.3517



25.5386, 0.3778, 0.5382



0.7337, 0.3911, 0.5277



# Inverse Universe

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



19.9550, 0.2679, 0.2351



29.7336, 0.2559, 0.2119



22.5074, 0.2989, 0.2430



7.8473, 0.3022, 0.3058



2.5985, 0.1649, 0.0682



0.0975, 0.1968, 0.0858



# Previews

## White Background



This preview shows how the Yxy color 38.4959, 0.3485, 0.4149 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

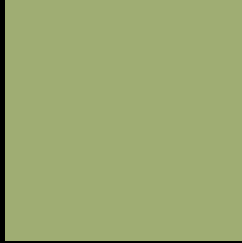
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.4959, 0.3485, 0.4149 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

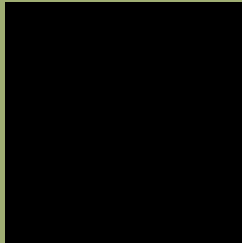
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.4959, 0.3485, 0.4149**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.4959, 0.3485, 0.4149.



This preview shows how white text looks on a background with the Yxy color 38.4959, 0.3485, 0.4149.

# 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

38.4959, 0.3485, 0.4149

### Protanopia

38.1456, 0.3750, 0.4043

### Deuteranopia

38.1100, 0.3915, 0.3830



## Tritanopia

38.3401, 0.3035, 0.3109

# Trichromacy



**Original Color**

38.4959, 0.3485, 0.4149

**Protanomaly**

38.3388, 0.3646, 0.4090

**Deuteranomaly**

38.0256, 0.3755, 0.3939

**Tritanomaly**

38.2643, 0.3202, 0.3478

# Monochromacy



**Original Color**

38.4959, 0.3485, 0.4149

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

36.8938, 0.3263, 0.3600

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.4959, 0.3485, 0.4149 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(159, 173, 115)` looks like.

```
.text, #text, p{  
    color:rgb(159, 173, 115)  
}
```

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(159, 173, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 173, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 38.4959, 0.3485, 0.4149 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(159, 173, 115) }
```

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

```
.border{ border-color:rgb(159, 173, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 173, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 173, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 173, 115);  
box-shadow:4px 4px 4px 4px rgb(159, 173,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.4959, 0.3485, 0.4149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 173, 115) }
```

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

```
.background{ background-color: rgb(159,  
173, 115) }
```

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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