

# Converting Colors

$Yxy(38.5852, 0.3534, 0.4292)$

Have a look what the booklet for  
Yxy(38.5852, 0.3534, 0.4292)  
contains.

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# Color

**Yxy(38.4808, 0.3535, 0.4299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DAE6A
RGB	157, 174, 106
RGB Percent	62%, 68%, 42%
CMY	0.3843, 0.3176, 0.5844
CMYK	0.10, 0.00, 0.39, 0.32
HSL	75°, 30%, 55%
HSV	75°, 39%, 68%
XYZ	31.6422, 38.4808, 19.3881
YIQ	161.1650, 11.6960, -24.7520

# Conversions

## Conversions Part 2

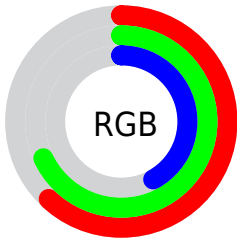
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 174, 123
Decimal	10333802
CIELab	68.37, -17.14, 32.95
CIELCh	68, 37.147, 117.487
Yxy	38.4808, 0.3535, 0.4299
Android (android.graphics.Color)	4288523882 (0xFF9DAE6A)
YUV	161.1650, -27.1963, -3.6527
Hunter-Lab	62.0329, -17.5071, 24.8922

# Details

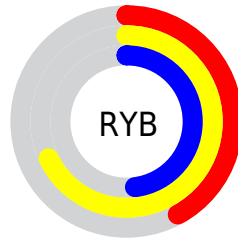
The Yxy color **38.4808, 0.3535, 0.4299** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.5678, 0.2592, 0.2173**, and the grayscale version is **35.8465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5043, 0.3467, 0.4097**, and **17.1575, 0.3620, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **37.7270, 0.3623, 0.4557**, and if you desaturate by 10%, it is **39.3270, 0.3436, 0.4033**.

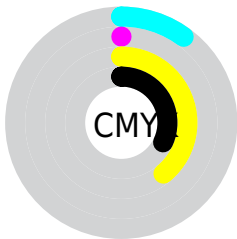
# Distribution



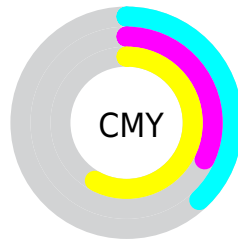
- Red (62%)
- Green (68%)
- Blue (42%)



- Red (42%)
- Yellow (68%)
- Blue (48%)



- Cyan (10%)
- Magenta (0%)
- Yellow (39%)
- Black (32%)




- Cyan (38%)
- Magenta (32%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4808, 0.3535, 0.4299 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 38.4808, 0.3535, 0.4299 by changing the saturation by 10% instead.





 38.4808, 0.3535,  
0.4299


 38.4808, 0.3535,  
0.4299


339.6780, 0.3340,  
0.3766


 26.3561, 0.3578,  
0.4439


 72.8445, 0.3468,  
0.4099


 17.0902, 0.3628,  
0.4622


 95.8522, 0.3441,  
0.4026

 10.2988, 0.3685,  
0.4869


 123.2564, 0.3418,  
0.3965

 5.5975, 0.3739,  
0.5214

 155.4414, 0.3398,  
0.3913

 2.6019, 0.3966,  
0.6034

192.7917, 0.3381,  
0.3868

 0.9276, 0.3327,  
0.6673

235.6917, 0.3366,

 0.0000, 0.0000,

0.3830

0.0000

284.5256, 0.3352,  
0.3796

■ 38.4808, 0.3535,  
0.4299

■ 38.4808, 0.3535,  
0.4299

■ 37.7270, 0.3623,  
0.4557

■ 39.3270, 0.3436,  
0.4033

■ 37.0559, 0.3696,  
0.4797

■ 40.2648, 0.3331,  
0.3768

■ 36.4640, 0.3748,  
0.5007

■ 41.2998, 0.3223,  
0.3512


■ 35.9456, 0.3776,  
0.5178


■ 42.4357, 0.3118,  
0.3269


■ 35.4939, 0.3779,  
0.5304


■ 43.6760, 0.3016,  
0.3042

 35.0962, 0.3761,  
0.5390

 45.0240, 0.2919,  
0.2834

 35.0615, 0.3760,  
0.5397

 46.4828, 0.2828,  
0.2644

 48.0555, 0.2744,  
0.2472

 49.2472, 0.2713,  
0.2386

# Harmonies

## Analogous

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



38.4808, 0.3992, 0.4144



38.4808, 0.3535, 0.4299



38.4808, 0.2992, 0.4124

# Triad

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



38.4808, 0.3535, 0.4299



38.4808, 0.2136, 0.2662



38.4808, 0.3744, 0.2943

# Complementary

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



38.4808, 0.3535, 0.4299



17.5678, 0.2592, 0.2173

# 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.



38.4808, 0.3189, 0.2618



38.4808, 0.3535, 0.4299



38.4808, 0.2292, 0.2445

# Square

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



38.4808, 0.3535, 0.4299



38.4808, 0.2209, 0.3090



38.4808, 0.2662, 0.2439



38.4808, 0.4137, 0.3355



# Rectangle

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



38.4808, 0.3535, 0.4299



38.4808, 0.2656, 0.3829



38.4808, 0.2662, 0.2439



38.4808, 0.3567, 0.2822

# Sweetspot

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



38.4825, 0.3535, 0.4299



74.3061, 0.3257, 0.3590



23.9210, 0.3985, 0.3531



16.4618, 0.3270, 0.3622



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



38.4825, 0.3535, 0.4299



68.5946, 0.3613, 0.4526



35.6074, 0.3226, 0.4407



9.2280, 0.3226, 0.3517



25.4582, 0.3764, 0.5393



0.7320, 0.3902, 0.5284



# Inverse Universe

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



17.5678, 0.2592, 0.2173



25.2414, 0.2441, 0.1888



20.4133, 0.2959, 0.2281



7.8503, 0.3023, 0.3058



2.6208, 0.1657, 0.0687



0.0987, 0.1982, 0.0866



# Previews

## White Background



This preview shows how the Yxy color 38.4808, 0.3535, 0.4299 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 38.4808, 0.3535, 0.4299 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

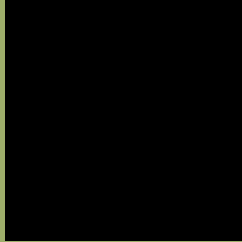
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.4808, 0.3535, 0.4299**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.4808, 0.3535, 0.4299.



This preview shows how white text looks on a background with the Yxy color 38.4808, 0.3535, 0.4299.

# 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

38.4808, 0.3535, 0.4299

### Protanopia

38.1968, 0.3849, 0.4156

### Deuteranopia

38.1798, 0.4021, 0.3938



## Tritanopia

38.2316, 0.3026, 0.3109

# Trichromacy



## Original Color

38.4808, 0.3535, 0.4299

## Protanomaly

38.2596, 0.3733, 0.4210

## Deuteranomaly

37.8240, 0.3837, 0.4059

## Tritanomaly

38.0588, 0.3218, 0.3522

# Monochromacy



## Original Color

38.4808, 0.3535, 0.4299

## Achromatopsia

35.6400, 0.3127, 0.3290

## Achromatomaly

36.6691, 0.3289, 0.3661

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.4808, 0.3535, 0.4299 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, 174, 106)` looks like.

```
.text, #text, p{  
    color:rgb(157, 174, 106)  
}
```

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, 174, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 174, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 38.4808, 0.3535, 0.4299 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, 174, 106) }
```

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

```
.border{ border-color:rgb(157, 174, 106) }
```

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

Here you see how a box with a 4 pixel rgb(157, 174, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 174, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 174, 106);  
box-shadow:4px 4px 4px 4px rgb(157, 174,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.4808, 0.3535, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 174, 106) }
```

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

```
.background{ background-color: rgb(157,  
174, 106) }
```

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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