

# Converting Colors

$Y_{xy}(40.7986, 0.3435, 0.3816)$

Have a look what the booklet for  
Yxy(40.7986, 0.3435, 0.3816)  
contains.

<b>Yxy(40.9339, 0.3440, 0.3826)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(40.9339, 0.3440, 0.3826)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADAE88
RGB	173, 174, 136
RGB Percent	68%, 68%, 53%
CMY	0.3218, 0.3176, 0.4667
CMYK	0.01, 0.00, 0.22, 0.32
HSL	62°, 19%, 61%
HSV	62°, 22%, 68%
XYZ	36.8041, 40.9339, 29.2507
YIQ	169.3690, 11.6020, -12.0300

# Conversions

## Conversions Part 2

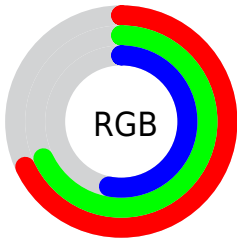
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 174, 137
Decimal	11382408
CIELab	70.13, -6.81, 19.45
CIELCh	70, 20.608, 109.299
Yxy	40.9339, 0.3440, 0.3826
Android (android.graphics.Color)	4289572488 (0xFFADAE88)
YUV	169.3690, -16.4509, 3.1844
Hunter-Lab	63.9796, -9.2826, 17.6790

# Details

The Yxy color  $40.9339, 0.3440, 0.3826$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $25.9874, 0.2777, 0.2695$ , and the grayscale version is  $39.9442, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.3708, 0.3389, 0.3723$ , and  $18.5840, 0.3524, 0.3997$  is the 20% darker color. If you saturate the color by 10%, you get  $40.4245, 0.3583, 0.4074$ , and if you desaturate by 10%, it is  $41.5275, 0.3295, 0.3577$ .

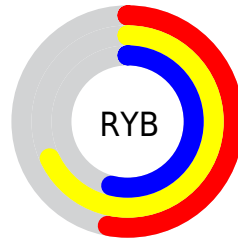
# Distribution



Red (68%)

Green (68%)

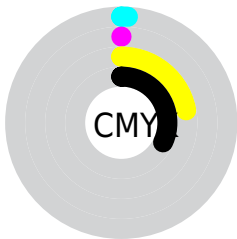
Blue (53%)



Red (53%)

Yellow (68%)

Blue (54%)

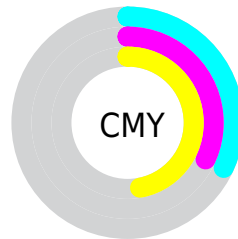


Cyan (1%)

Magenta (0%)

Yellow (22%)

Black (32%)



Cyan (32%)

Magenta (32%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9339, 0.3440, 0.3826 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 40.9339, 0.3440, 0.3826 by changing the saturation by 10% instead.





 40.9339, 0.3440,  
0.3826


 40.9339, 0.3440,  
0.3826


350.0443, 0.3283,  
0.3549


 28.2674, 0.3479,  
0.3898


 76.5835, 0.3383,  
0.3723

 18.5274, 0.3528,  
0.3992


 100.3355, 0.3362,  
0.3685

 11.3293, 0.3593,  
0.4119


 128.5514, 0.3344,  
0.3653

 6.2888, 0.3681,  
0.4300

161.6157, 0.3328,  
0.3626

 3.0214, 0.3803,  
0.4576

199.9128, 0.3314,  
0.3603

 1.1429, 0.4408,  
0.5592

243.8269, 0.3303,

 0.0143, 0.0000,

0.3582

1.0000

293.7426, 0.3292,  
0.3565

0.0000, 0.0000,  
0.0000

40.9339, 0.3440,  
0.3826

40.9339, 0.3440,  
0.3826

40.4245, 0.3583,  
0.4074

41.5275, 0.3295,  
0.3577

39.9899, 0.3720,  
0.4311

42.2035, 0.3153,  
0.3334

39.6278, 0.3844,  
0.4530

42.9670, 0.3016,  
0.3101

39.3336, 0.3951,  
0.4720

43.8212, 0.2888,  
0.2883

39.1021, 0.4036,  
0.4874

44.7692, 0.2768,  
0.2680

■ 38.9276, 0.4096,  
0.4987

■ 45.8140, 0.2658,  
0.2495

■ 38.8030, 0.4130,  
0.5057

■ 46.7759, 0.2573,  
0.2352

■ 38.7264, 0.4144,  
0.5091

■ 46.8336, 0.2577,  
0.2353

■ 46.8914, 0.2580,  
0.2353

# Harmonies

## Analogous

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



40.9339, 0.3655, 0.3729



40.9339, 0.3440, 0.3826



40.9339, 0.3147, 0.3767

# Triad

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



40.9339, 0.3440, 0.3826



40.9339, 0.2562, 0.3011



40.9339, 0.3388, 0.3040

# Complementary

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



40.9339, 0.3440, 0.3826



25.9874, 0.2777, 0.2695

# 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.



40.9339, 0.3084, 0.2867



40.9339, 0.3440, 0.3826



40.9339, 0.2618, 0.2842

# Square

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



40.9339, 0.3440, 0.3826



40.9339, 0.2648, 0.3274



40.9339, 0.2805, 0.2794



40.9339, 0.3628, 0.3275



# Rectangle

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



40.9339, 0.3440, 0.3826



40.9339, 0.2949, 0.3641



40.9339, 0.2805, 0.2794



40.9339, 0.3289, 0.2973

# Sweetspot

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



40.9357, 0.3440, 0.3826



75.8670, 0.3227, 0.3461



28.5640, 0.3559, 0.3301



16.8466, 0.3236, 0.3475



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

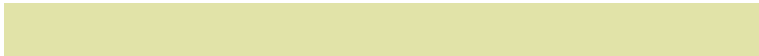


# Same Dimension

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



40.9357, 0.3440, 0.3826



73.7887, 0.3506, 0.3941



38.9644, 0.3265, 0.3857



9.3185, 0.3259, 0.3514



28.0855, 0.4145, 0.5091



0.7848, 0.4161, 0.5079



# Inverse Universe

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



25.9874, 0.2777, 0.2695



42.0303, 0.2691, 0.2551



27.6954, 0.2961, 0.2726



7.7676, 0.2990, 0.3056



2.2440, 0.1511, 0.0606



0.0658, 0.1560, 0.0633



# Previews

## White Background



This preview shows how the Yxy color 40.9339, 0.3440, 0.3826 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 40.9339, 0.3440, 0.3826 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

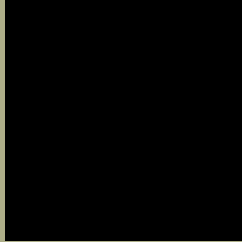
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

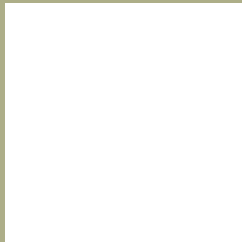
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.9339, 0.3440, 0.3826**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.9339, 0.3440, 0.3826.



This preview shows how white text looks on a background with the Yxy color 40.9339, 0.3440, 0.3826.

# 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

40.9339, 0.3440, 0.3826

### Protanopia

40.8202, 0.3545, 0.3785

### Deuteranopia

40.8874, 0.3706, 0.3643



## Tritanopia

40.9252, 0.3117, 0.3117

# Trichromacy



## Original Color

40.9339, 0.3440, 0.3826

## Protanomaly

40.8380, 0.3513, 0.3803

## Deuteranomaly

40.7586, 0.3616, 0.3707

## Tritanomaly

40.8132, 0.3234, 0.3359

# Monochromacy



## Original Color

40.9339, 0.3440, 0.3826

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.1062, 0.3237, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9339, 0.3440, 0.3826 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(173, 174, 136)` looks like.

```
.text, #text, p{  
    color:rgb(173, 174, 136)  
}
```

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(173, 174, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 174, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9339, 0.3440, 0.3826 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(173, 174, 136) }
```

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

```
.border{ border-color:rgb(173, 174, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 174, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 174, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 174, 136);  
box-shadow:4px 4px 4px 4px rgb(173, 174,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9339, 0.3440, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 174, 136) }
```

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

```
.background{ background-color: rgb(173,  
174, 136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor