

# Converting Colors

$Yxy(49.4460, 0.3357, 0.4337)$

Have a look what the booklet for  
Yxy(49.4460, 0.3357, 0.4337)  
contains.

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# Color

**Yxy(49.1892, 0.3354, 0.4334)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9FC67B
RGB	159, 198, 123
RGB Percent	62%, 78%, 48%
CMY	0.3765, 0.2235, 0.5175
CMYK	0.20, 0.00, 0.38, 0.22
HSL	91°, 40%, 63%
HSV	91°, 38%, 78%
XYZ	38.0666, 49.1892, 26.2403
YIQ	177.7890, 0.8310, -31.5930

# Conversions

## Conversions Part 2

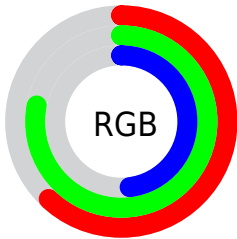
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 198, 162
Decimal	10471035
CIELab	75.57, -26.14, 33.42
CIElCh	76, 42.424, 128.030
Yxy	49.1892, 0.3354, 0.4334
Android (android.graphics.Color)	4288661115 (0xFF9FC67B)
YUV	177.7890, -27.0110, -16.4780
Hunter-Lab	70.1350, -25.8533, 26.9118

# Details

The Yxy color **49.1892, 0.3354, 0.4334** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.9425, 0.2803, 0.2258**, and the grayscale version is **44.5496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1017, 0.3328, 0.4140**, and **23.4917, 0.3387, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **47.7342, 0.3397, 0.4635**, and if you desaturate by 10%, it is **50.8367, 0.3300, 0.4036**.

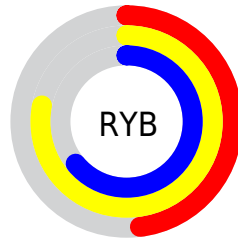
# Distribution



Red (62%)

Green (78%)

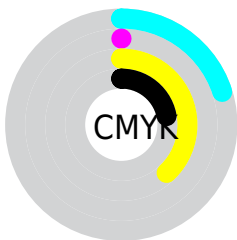
Blue (48%)



Red (48%)

Yellow (78%)

Blue (64%)

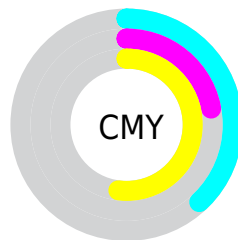


Cyan (20%)

Magenta (0%)

Yellow (38%)

Black (22%)



Cyan (38%)

Magenta (22%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1892, 0.3354, 0.4334 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 49.1892, 0.3354, 0.4334 by changing the saturation by 10% instead.





 49.1892, 0.3354,  
0.4334


 49.1892, 0.3354,  
0.4334


383.4867, 0.3258,  
0.3796

 34.7696, 0.3371,  
0.4472


 88.9724, 0.3324,  
0.4136

 23.4854, 0.3388,  
0.4649


 115.1048, 0.3311,  
0.4062

 14.9524, 0.3403,  
0.4886


 145.9102, 0.3300,  
0.4000

 8.7860, 0.3405,  
0.5214

181.7730, 0.3290,  
0.3947

 4.6018, 0.3376,  
0.5700

223.0777, 0.3281,  
0.3901

 2.0156, 0.3339,  
0.6661

270.2086, 0.3272,

 0.6165, 0.0000,

0.3862

1.0000

323.5501, 0.3265,  
0.3827

0.0000, 0.0000,  
0.0000

49.1892, 0.3354,  
0.4334

49.1892, 0.3354,  
0.4334

47.7342, 0.3397,  
0.4635

50.8367, 0.3300,  
0.4036

46.4571, 0.3427,  
0.4926

52.6778, 0.3240,  
0.3751

45.3509, 0.3437,  
0.5192


54.7219, 0.3177,  
0.3484


44.4059, 0.3427,  
0.5419


56.9758, 0.3114,  
0.3240

43.6106, 0.3396,  
0.5593

59.4458, 0.3051,  
0.3017


 42.9492, 0.3346,  
0.5712

 62.1381, 0.2992,  
0.2818

 42.8202, 0.3335,  
0.5734

 64.6229, 0.2979,  
0.2702

 66.3903, 0.3053,  
0.2715

 68.2605, 0.3129,  
0.2728

# Harmonies

## Analogous

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



49.1892, 0.3884, 0.4276



49.1892, 0.3354, 0.4334



49.1892, 0.2790, 0.4023

# Triad

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



49.1892, 0.3354, 0.4334



49.1892, 0.2121, 0.2523



49.1892, 0.3951, 0.3069

# Complementary

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



49.1892, 0.3354, 0.4334



25.9425, 0.2803, 0.2258

# 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.



49.1892, 0.3402, 0.2692



49.1892, 0.3354, 0.4334



49.1892, 0.2364, 0.2379

# Square

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



49.1892, 0.3354, 0.4334



49.1892, 0.2111, 0.2896



49.1892, 0.2818, 0.2446



49.1892, 0.4262, 0.3514



# Rectangle

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



49.1892, 0.3354, 0.4334



49.1892, 0.2471, 0.3657



49.1892, 0.2818, 0.2446



49.1892, 0.3785, 0.2932

# Sweetspot

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



49.1913, 0.3354, 0.4334



95.6582, 0.3198, 0.3570



39.1989, 0.3853, 0.3799



20.3671, 0.3207, 0.3607



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

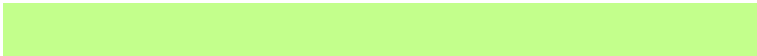


# Same Dimension

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



49.1913, 0.3354, 0.4334



85.0580, 0.3389, 0.4569



46.0679, 0.3066, 0.4410



12.1331, 0.3187, 0.3524



27.8954, 0.3345, 0.5726



1.3639, 0.3508, 0.5596



# Inverse Universe

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



25.9425, 0.2803, 0.2258



38.3269, 0.2715, 0.2029



30.2032, 0.3183, 0.2378



10.5545, 0.3063, 0.3057



4.5809, 0.2073, 0.0916



0.2599, 0.2298, 0.1040



# Previews

## White Background



This preview shows how the Yxy color 49.1892, 0.3354, 0.4334 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 49.1892, 0.3354, 0.4334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

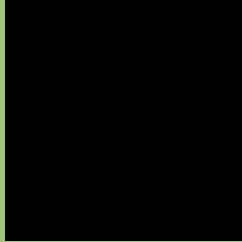
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.1892, 0.3354, 0.4334**

## Background



This preview shows how black text looks on a background with the Yxy color 49.1892, 0.3354, 0.4334.



This preview shows how white text looks on a background with the Yxy color 49.1892, 0.3354, 0.4334.

# 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

49.1892, 0.3354, 0.4334

### Protanopia

48.9824, 0.3817, 0.4138

### Deuteranopia

48.9289, 0.3960, 0.3880



## Tritanopia

48.9362, 0.2883, 0.3096

# Trichromacy



**Original Color**

49.1892, 0.3354, 0.4334

**Protanomaly**

48.6221, 0.3637, 0.4206

**Deuteranomaly**

48.3464, 0.3731, 0.4038

**Tritanomaly**

48.9708, 0.3060, 0.3532

# Monochromacy



**Original Color**

49.1892, 0.3354, 0.4334

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

45.8245, 0.3220, 0.3660

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  49.1892, 0.3354, 0.4334 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, 198, 123)` looks like.

```
.text, #text, p{  
    color:rgb(159, 198, 123)  
}
```

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, 198, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 198, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 49.1892, 0.3354, 0.4334 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, 198, 123) }
```

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

```
.border{ border-color:rgb(159, 198, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 198, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 198, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 198, 123);  
box-shadow:4px 4px 4px 4px rgb(159, 198,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.1892, 0.3354, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 198, 123) }
```

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

```
.background{ background-color: rgb(159,  
198, 123) }
```

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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