

# Converting Colors

$Yxy(49.3362, 0.3495, 0.4596)$

Have a look what the booklet for  
Yxy(49.3362, 0.3495, 0.4596)  
contains.

<b>Yxy(49.4032, 0.3499, 0.4602)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(49.4032, 0.3499, 0.4602)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1C767
RGB	161, 199, 103
RGB Percent	63%, 78%, 40%
CMY	0.3688, 0.2195, 0.5961
CMYK	0.19, 0.00, 0.48, 0.22
HSL	84°, 46%, 59%
HSV	84°, 48%, 78%
XYZ	37.5623, 49.4032, 20.3861
YIQ	176.6940, 8.1680, -37.9120

# Conversions

## Conversions Part 2

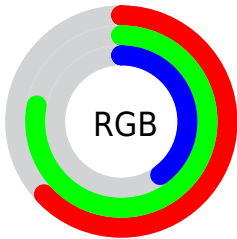
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 199, 141
Decimal	10602343
CIELab	75.70, -28.34, 43.69
CIElCh	76, 52.078, 122.972
Yxy	49.4032, 0.3499, 0.4602
Android (android.graphics.Color)	4288792423 (0xFFA1C767)
YUV	176.6940, -36.3311, -13.7636
Hunter-Lab	70.2874, -27.6107, 32.0048

# Details

The Yxy color  $49.4032, 0.3499, 0.4602$  is a light color, and the websafe version is hex  $99CC66$ . A complement of this color would be  $19.4915, 0.2562, 0.1910$ , and the grayscale version is  $43.9849, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.6720, 0.3451, 0.4349$ , and  $23.6245, 0.3549, 0.4989$  is the 20% darker color. If you saturate the color by 10%, you get  $48.2585, 0.3547, 0.4871$ , and if you desaturate by 10%, it is  $50.6990, 0.3435, 0.4319$ .

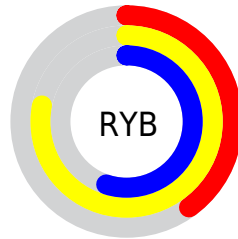
# Distribution



Red (63%)

Green (78%)

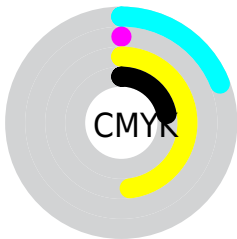
Blue (40%)



Red (40%)

Yellow (78%)

Blue (55%)

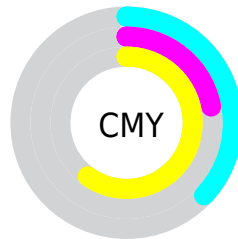


Cyan (19%)

Magenta (0%)

Yellow (48%)

Black (22%)



Cyan (37%)

Magenta (22%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4032, 0.3499, 0.4602 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 49.4032, 0.3499, 0.4602 by changing the saturation by 10% instead.





 49.4032, 0.3499,  
0.4602


 49.4032, 0.3499,  
0.4602


384.3275, 0.3344,  
0.3930


 34.9394, 0.3525,  
0.4770


 89.2900, 0.3452,  
0.4356


 23.6162, 0.3549,  
0.4984


 115.4818, 0.3431,  
0.4264

 15.0492, 0.3566,  
0.5261


 146.3518, 0.3412,  
0.4187

 8.8539, 0.3558,  
0.5630

 182.2843, 0.3396,  
0.4120

 4.6460, 0.3601,  
0.6340

223.6637, 0.3381,  
0.4063

 2.0411, 0.3212,  
0.6788

270.8744, 0.3367,

 0.6312, 0.0000,

0.4013

1.0000

324.3009, 0.3355,  
0.3969

0.0000, 0.0000,  
0.0000

49.4032, 0.3499,  
0.4602

49.4032, 0.3499,  
0.4602

48.2585, 0.3547,  
0.4871

50.6990, 0.3435,  
0.4319

47.2507, 0.3576,  
0.5114

52.1466, 0.3360,  
0.4034

46.3732, 0.3581,  
0.5317


53.7547, 0.3279,  
0.3757


45.6158, 0.3562,  
0.5470


55.5293, 0.3196,  
0.3493


44.9634, 0.3522,  
0.5575


57.4763, 0.3113,  
0.3249

 44.8561, 0.3514,  
0.5592

 59.6011, 0.3032,  
0.3024

 61.9089, 0.2955,  
0.2820

 63.9315, 0.2928,  
0.2704

 65.2219, 0.2984,  
0.2713

# Harmonies

## Analogous

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



49.4032, 0.4120, 0.4424



49.4032, 0.3499, 0.4602



49.4032, 0.2813, 0.4305

# Triad

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



49.4032, 0.3499, 0.4602



49.4032, 0.1905, 0.2412



49.4032, 0.4037, 0.2932

# Complementary

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



49.4032, 0.3499, 0.4602



19.4915, 0.2562, 0.1910

# 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.



49.4032, 0.3331, 0.2512



49.4032, 0.3499, 0.4602



49.4032, 0.2144, 0.2210

# Square

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



49.4032, 0.3499, 0.4602



49.4032, 0.1936, 0.2895



49.4032, 0.2639, 0.2255



49.4032, 0.4483, 0.3444

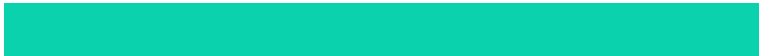


# Rectangle

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



49.4032, 0.3499, 0.4602



49.4032, 0.2413, 0.3866



49.4032, 0.2639, 0.2255



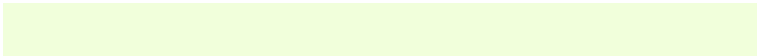
49.4032, 0.3817, 0.2778

# Sweetspot

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



49.4054, 0.3499, 0.4602



95.3245, 0.3246, 0.3648



31.8221, 0.4195, 0.3775



20.2606, 0.3264, 0.3707



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

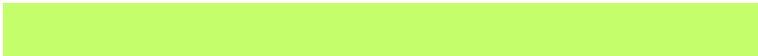


# Same Dimension

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



49.4054, 0.3499, 0.4602



84.3695, 0.3550, 0.4887



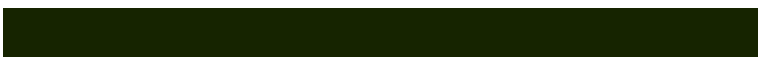
45.4238, 0.3132, 0.4767



12.1992, 0.3205, 0.3522



28.8905, 0.3523, 0.5585



1.4092, 0.3663, 0.5474



# Inverse Universe

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



19.4915, 0.2562, 0.1910



25.8337, 0.2401, 0.1591



24.4915, 0.3059, 0.2089



10.4891, 0.3043, 0.3056



3.7648, 0.1848, 0.0792



0.2201, 0.2091, 0.0925



# Previews

## White Background



This preview shows how the Yxy color 49.4032, 0.3499, 0.4602 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 49.4032, 0.3499, 0.4602 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 49.4032, 0.3499, 0.4602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.4032, 0.3499, 0.4602.



This preview shows how white text looks on a background with the Yxy color 49.4032, 0.3499, 0.4602.

# 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

49.4032, 0.3499, 0.4602

### Protanopia

48.9978, 0.3986, 0.4341

### Deuteranopia

48.6957, 0.4168, 0.4077



## Tritanopia

49.2769, 0.2906, 0.3098

# Trichromacy



## Original Color

49.4032, 0.3499, 0.4602

## Protanomaly

49.0005, 0.3803, 0.4446

## Deuteranomaly

48.2951, 0.3913, 0.4265

## Tritanomaly

48.9243, 0.3127, 0.3627

# Monochromacy



## Original Color

49.4032, 0.3499, 0.4602

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

45.5579, 0.3283, 0.3772

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4032, 0.3499, 0.4602 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(161, 199, 103)` looks like.

```
.text, #text, p{  
    color:rgb(161, 199, 103)  
}
```

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(161, 199, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 199, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4032, 0.3499, 0.4602 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(161, 199, 103) }
```

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

```
.border{ border-color:rgb(161, 199, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 199, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 199, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 199, 103);  
box-shadow:4px 4px 4px 4px rgb(161, 199,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4032, 0.3499, 0.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 199, 103) }
```

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

```
.background{ background-color: rgb(161,  
199, 103) }
```

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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