

# Converting Colors

$Yxy(48.8013, 0.3363, 0.4495)$

Have a look what the booklet for  
Yxy(48.8013, 0.3363, 0.4495)  
contains.

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# Color

**Yxy(48.8114, 0.3369, 0.4500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99C771
RGB	153, 199, 113
RGB Percent	60%, 78%, 44%
CMY	0.3999, 0.2196, 0.5569
CMYK	0.23, 0.00, 0.43, 0.22
HSL	92°, 43%, 61%
HSV	92°, 43%, 78%
XYZ	36.5435, 48.8114, 23.1149
YIQ	175.4420, 0.1900, -36.4980

# Conversions

## Conversions Part 2

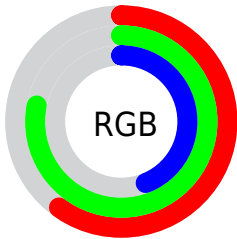
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 199, 159
Decimal	10078065
CIELab	75.33, -30.11, 38.16
CIELCh	75, 48.608, 128.269
Yxy	48.8114, 0.3369, 0.4500
Android (android.graphics.Color)	4288268145 (0xFF99C771)
YUV	175.4420, -30.7839, -19.6816
Hunter-Lab	69.8652, -28.8983, 29.2895

# Details

The Yxy color **48.8114, 0.3369, 0.4500** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.2996, 0.2755, 0.2104**, and the grayscale version is **43.2761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8285, 0.3344, 0.4260**, and **23.3190, 0.3395, 0.4864** is the 20% darker color. If you saturate the color by 10%, you get **47.4238, 0.3403, 0.4800**, and if you desaturate by 10%, it is **50.3939, 0.3322, 0.4197**.

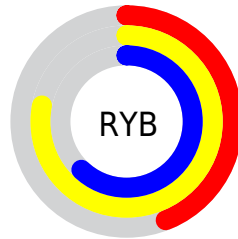
# Distribution



Red (60%)

Green (78%)

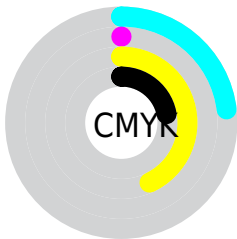
Blue (44%)



Red (44%)

Yellow (78%)

Blue (62%)

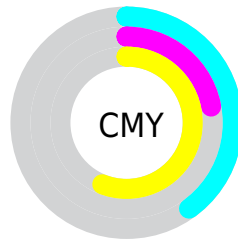


Cyan (23%)

Magenta (0%)

Yellow (43%)

Black (22%)



Cyan (40%)

Magenta (22%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8114, 0.3369, 0.4500 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 48.8114, 0.3369, 0.4500 by changing the saturation by 10% instead.





 48.8114, 0.3369,  
0.4500

 48.8114, 0.3369,  
0.4500


381.9994, 0.3272,  
0.3874

 34.4699, 0.3383,  
0.4660


 88.4113, 0.3341,  
0.4269


 23.2548, 0.3395,  
0.4866


 114.4384, 0.3328,  
0.4183

 14.7818, 0.3399,  
0.5140

 145.1296, 0.3316,  
0.4111

 8.6664, 0.3380,  
0.5515

 180.8692, 0.3306,  
0.4049

 4.5242, 0.3345,  
0.6132

222.0415, 0.3296,  
0.3996

 1.9709, 0.3084,  
0.6916

269.0311, 0.3288,

 0.5905, 0.0000,

0.3950

1.0000

322.2222, 0.3280,  
0.3909

0.0000, 0.0000,  
0.0000

48.8114, 0.3369,  
0.4500

48.8114, 0.3369,  
0.4500

47.4238, 0.3403,  
0.4800

50.3939, 0.3322,  
0.4197

46.2157, 0.3421,  
0.5082

52.1730, 0.3268,  
0.3903

45.1795, 0.3419,  
0.5331


54.1586, 0.3208,  
0.3625

44.3043, 0.3396,  
0.5532

56.3578, 0.3147,  
0.3368


43.5771, 0.3353,  
0.5677


58.7775, 0.3086,  
0.3134

 43.1544, 0.3317,  
0.5748

 61.4242, 0.3027,  
0.2922

 64.3042, 0.2970,  
0.2734

 66.2660, 0.3029,  
0.2721

 68.1635, 0.3107,  
0.2734

# Harmonies

## Analogous

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



48.8114, 0.3976, 0.4414



48.8114, 0.3369, 0.4500



48.8114, 0.2730, 0.4139

# Triad

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



48.8114, 0.3369, 0.4500



48.8114, 0.1992, 0.2412



48.8114, 0.4078, 0.3036

# Complementary

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



48.8114, 0.3369, 0.4500



23.2996, 0.2755, 0.2104

# Split Complementary

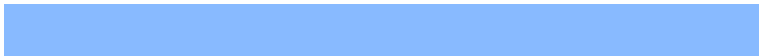
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.8114, 0.3444, 0.2616



48.8114, 0.3369, 0.4500



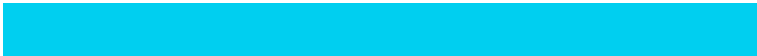
48.8114, 0.2265, 0.2260

# Square

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



48.8114, 0.3369, 0.4500



48.8114, 0.1977, 0.2825



48.8114, 0.2774, 0.2340



48.8114, 0.4432, 0.3533



# Rectangle

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



48.8114, 0.3369, 0.4500



48.8114, 0.2372, 0.3705



48.8114, 0.2774, 0.2340



48.8114, 0.3887, 0.2884

# Sweetspot

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



48.8135, 0.3369, 0.4500



94.8385, 0.3208, 0.3624



38.0833, 0.3974, 0.3890



20.1258, 0.3222, 0.3685



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

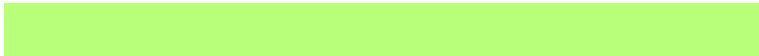


# Same Dimension

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



48.8135, 0.3369, 0.4500



83.1397, 0.3402, 0.4786



45.6148, 0.3048, 0.4576



12.1257, 0.3185, 0.3524



27.8002, 0.3327, 0.5741



1.3593, 0.3492, 0.5609



# Inverse Universe

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



23.2996, 0.2755, 0.2104



32.6124, 0.2645, 0.1831



27.9420, 0.3206, 0.2272



10.5619, 0.3065, 0.3057



4.6894, 0.2101, 0.0931



0.2648, 0.2323, 0.1053



# Previews

## White Background



This preview shows how the Yxy color 48.8114, 0.3369, 0.4500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

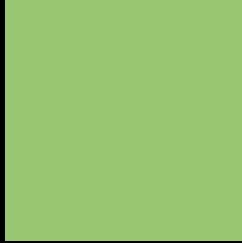
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.8114, 0.3369, 0.4500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

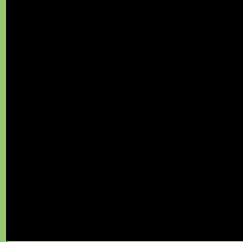
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.8114, 0.3369, 0.4500**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.8114, 0.3369, 0.4500.



This preview shows how white text looks on a background with the Yxy color 48.8114, 0.3369, 0.4500.

# 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

48.8114, 0.3369, 0.4500

### Protanopia

48.4771, 0.3908, 0.4239

### Deuteranopia

48.4403, 0.4059, 0.3979



## Tritanopia

48.3852, 0.2845, 0.3094

# Trichromacy



## Original Color

48.8114, 0.3369, 0.4500

## Protanomaly

48.2670, 0.3702, 0.4333

## Deuteranomaly

47.9646, 0.3800, 0.4163

## Tritanomaly

48.1786, 0.3041, 0.3591

# Monochromacy



## Original Color

48.8114, 0.3369, 0.4500

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

44.7635, 0.3234, 0.3736

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8114, 0.3369, 0.4500 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(153, 199, 113)` looks like.

```
.text, #text, p{  
    color:rgb(153, 199, 113)  
}
```

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(153, 199, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 199, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8114, 0.3369, 0.4500 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(153, 199, 113) }
```

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

```
.border{ border-color:rgb(153, 199, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 199, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 199, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 199, 113);  
box-shadow:4px 4px 4px 4px rgb(153, 199,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8114, 0.3369, 0.4500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 199, 113) }
```

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

```
.background{ background-color: rgb(153,  
199, 113) }
```

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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