

# Converting Colors

Yxy(43.4863, 0.3345, 0.4489)

Have a look what the booklet for  
Yxy(43.4863, 0.3345, 0.4489)  
contains.

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# Color

**Yxy(43.4072, 0.3352, 0.4490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90BD6C
RGB	144, 189, 108
RGB Percent	56%, 74%, 42%
CMY	0.4353, 0.2588, 0.5764
CMYK	0.24, 0.00, 0.43, 0.26
HSL	93°, 38%, 58%
HSV	93°, 43%, 74%
XYZ	32.4056, 43.4072, 20.8625
YIQ	166.3110, -0.8190, -34.7310

# Conversions

## Conversions Part 2

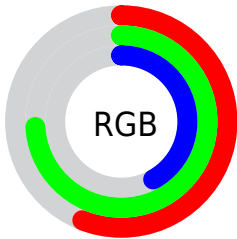
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">108, 189, 153</a>
Decimal	<a href="#">9485676</a>
CIELab	<a href="#">71.83, -29.28, 36.13</a>
CIELCh	<a href="#">72, 46.506, 129.022</a>
Yxy	<a href="#">43.4072, 0.3352, 0.4490</a>
Android (android.graphics.Color)	<a href="#">4287675756 (0xFF90BD6C)</a>
YUV	<a href="#">166.3110, -28.7473, -19.5667</a>
Hunter-Lab	<a href="#">65.8841, -27.5008, 27.3444</a>

# Details

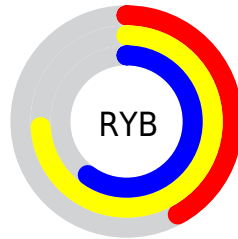
The Yxy color **43.4072, 0.3352, 0.4490** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.1790, 0.2779, 0.2125**, and the grayscale version is **38.4346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0201, 0.3323, 0.4245**, and **19.8576, 0.3375, 0.4878** is the 20% darker color. If you saturate the color by 10%, you get **42.1469, 0.3383, 0.4792**, and if you desaturate by 10%, it is **44.8465, 0.3309, 0.4186**.

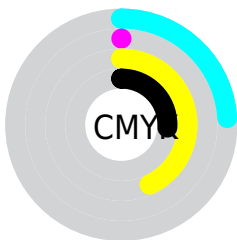
# Distribution



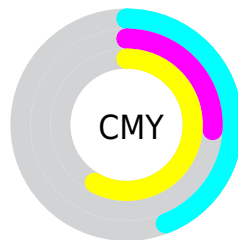
- Red (56%)
- Green (74%)
- Blue (42%)



- Red (42%)
- Yellow (74%)
- Blue (60%)



- Cyan (24%)
- Magenta (0%)
- Yellow (43%)
- Black (26%)




- Cyan (44%)
- Magenta (26%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4072, 0.3352, 0.4490 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 43.4072, 0.3352, 0.4490 by changing the saturation by 10% instead.





 43.4072, 0.3352,  
0.4490


 43.4072, 0.3352,  
0.4490


360.2837, 0.3261,  
0.3856

 30.2047, 0.3365,  
0.4656

 80.3250, 0.3325,  
0.4253

 19.9940, 0.3375,  
0.4874


 104.8091, 0.3313,  
0.4166

 12.3907, 0.3375,  
0.5166


 133.8225, 0.3302,  
0.4093

 7.0104, 0.3347,  
0.5576

 167.7497, 0.3293,  
0.4031

 3.4686, 0.3375,  
0.6430

206.9750, 0.3283,  
0.3978

 1.3810, 0.2774,  
0.7226

251.8829, 0.3275,

 0.2026, 0.0000,

0.3932

1.0000

302.8576, 0.3268,  
0.3892

0.0000, 0.0000,  
0.0000

43.4072, 0.3352,  
0.4490

43.4072, 0.3352,  
0.4490

42.1469, 0.3383,  
0.4792

44.8465, 0.3309,  
0.4186

41.0519, 0.3399,  
0.5078

46.4667, 0.3257,  
0.3892

40.1153, 0.3396,  
0.5333


48.2767, 0.3201,  
0.3615

39.3271, 0.3372,  
0.5540

50.2830, 0.3144,  
0.3359


38.6757, 0.3330,  
0.5689

52.4918, 0.3086,  
0.3126

 38.2801, 0.3292,  
0.5768

 54.9092, 0.3030,  
0.2917

 57.5408, 0.2977,  
0.2730

 60.1170, 0.2955,  
0.2603

 61.8880, 0.3033,  
0.2618

# Harmonies

## Analogous

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



43.4072, 0.3959, 0.4415



43.4072, 0.3352, 0.4490



43.4072, 0.2717, 0.4120

# Triad

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



43.4072, 0.3352, 0.4490



43.4072, 0.2001, 0.2409



43.4072, 0.4087, 0.3050

# Complementary

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



43.4072, 0.3352, 0.4490



21.1790, 0.2779, 0.2125

# 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.



43.4072, 0.3460, 0.2628



43.4072, 0.3352, 0.4490



43.4072, 0.2279, 0.2264

# Square

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



43.4072, 0.3352, 0.4490



43.4072, 0.1979, 0.2814



43.4072, 0.2792, 0.2349



43.4072, 0.4429, 0.3545



# Rectangle

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



43.4072, 0.3352, 0.4490



43.4072, 0.2364, 0.3686



43.4072, 0.2792, 0.2349



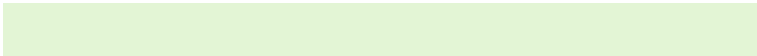
43.4072, 0.3898, 0.2897

# Sweetspot

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



43.4091, 0.3352, 0.4490



86.3358, 0.3203, 0.3624



34.5418, 0.3953, 0.3900



18.4061, 0.3216, 0.3684



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

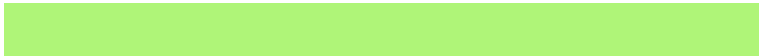


# Same Dimension

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



43.4091, 0.3352, 0.4490



75.6999, 0.3381, 0.4762



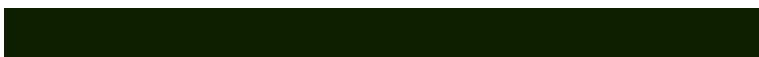
40.7582, 0.3040, 0.4536



10.8514, 0.3181, 0.3522



25.7983, 0.3302, 0.5761



1.0493, 0.3496, 0.5606



# Inverse Universe

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



21.1790, 0.2779, 0.2125



30.8648, 0.2682, 0.1871



25.0496, 0.3220, 0.2298



9.4797, 0.3069, 0.3059



4.5407, 0.2147, 0.0957



0.2161, 0.2397, 0.1094



# Previews

## White Background



This preview shows how the Yxy color 43.4072, 0.3352, 0.4490 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 43.4072, 0.3352, 0.4490 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 43.4072, 0.3352, 0.4490**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.4072, 0.3352, 0.4490.



This preview shows how white text looks on a background with the Yxy color 43.4072, 0.3352, 0.4490.

# 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

43.4072, 0.3352, 0.4490

### Protanopia

43.2364, 0.3892, 0.4238

### Deuteranopia

43.0464, 0.4041, 0.3967



## Tritanopia

43.2586, 0.2840, 0.3098

# Trichromacy



## Original Color

43.4072, 0.3352, 0.4490

## Protanomaly

43.1816, 0.3686, 0.4331

## Deuteranomaly

42.7632, 0.3779, 0.4156

## Tritanomaly

43.1510, 0.3030, 0.3591

# Monochromacy



## Original Color

43.4072, 0.3352, 0.4490

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

39.5855, 0.3224, 0.3715

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.4072, 0.3352, 0.4490 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(144, 189, 108)` looks like.

```
.text, #text, p{  
    color:rgb(144, 189, 108)  
}
```

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(144, 189, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 189, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 43.4072, 0.3352, 0.4490 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(144, 189, 108) }
```

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

```
.border{ border-color:rgb(144, 189, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 189, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 189, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 189, 108);  
box-shadow:4px 4px 4px 4px rgb(144, 189,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.4072, 0.3352, 0.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 189, 108) }
```

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

```
.background{ background-color: rgb(144,  
189, 108) }
```

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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