

# Converting Colors

$Yxy(47.4744, 0.3421, 0.4359)$

Have a look what the booklet for  
Yxy(47.4744, 0.3421, 0.4359)  
contains.

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# Color

**Yxy(47.4450, 0.3423, 0.4366)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1C275
RGB	161, 194, 117
RGB Percent	63%, 76%, 46%
CMY	0.3687, 0.2392, 0.5412
CMYK	0.17, 0.00, 0.40, 0.24
HSL	86°, 39%, 61%
HSV	86°, 40%, 76%
XYZ	37.1975, 47.4450, 24.0268
YIQ	175.3550, 5.0490, -30.9430

# Conversions

## Conversions Part 2

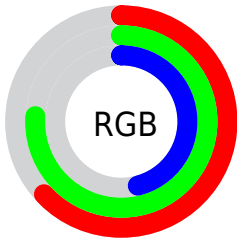
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 194, 150
Decimal	10601077
CIELab	74.47, -24.24, 35.13
CIELCh	74, 42.683, 124.607
Yxy	47.4450, 0.3423, 0.4366
Android (android.graphics.Color)	4288791157 (0xFFA1C275)
YUV	175.3550, -28.7690, -12.5893
Hunter-Lab	68.8803, -24.1451, 27.5347

# Details

The Yxy color **47.4450, 0.3423, 0.4366** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.1055, 0.2712, 0.2184**, and the grayscale version is **43.2125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6484, 0.3382, 0.4165**, and **22.3496, 0.3477, 0.4688** is the 20% darker color. If you saturate the color by 10%, you get **46.2012, 0.3479, 0.4652**, and if you desaturate by 10%, it is **48.8451, 0.3355, 0.4078**.

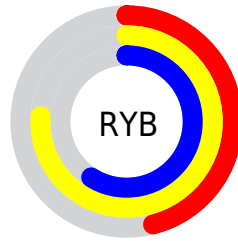
# Distribution



Red (63%)

Green (76%)

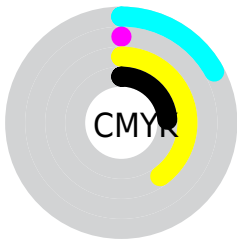
Blue (46%)



Red (46%)

Yellow (76%)

Blue (59%)

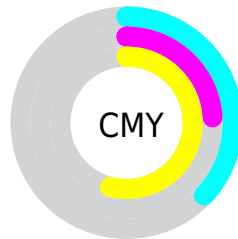


Cyan (17%)

Magenta (0%)

Yellow (40%)

Black (24%)



Cyan (37%)

Magenta (24%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4450, 0.3423, 0.4366 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 47.4450, 0.3423, 0.4366 by changing the saturation by 10% instead.





 47.4450, 0.3423,  
0.4366


 47.4450, 0.3423,  
0.4366


376.5880, 0.3293,  
0.3810


 33.3876, 0.3448,  
0.4508


 86.3775, 0.3381,  
0.4161

 22.4235, 0.3474,  
0.4691


 112.0213, 0.3364,  
0.4085

 14.1684, 0.3499,  
0.4934


 142.2961, 0.3349,  
0.4021

 8.2379, 0.3514,  
0.5270

177.5863, 0.3335,  
0.3966

 4.2476, 0.3521,  
0.5804

218.2761, 0.3323,  
0.3919

 1.8130, 0.3401,  
0.6599

264.7501, 0.3312,

 0.4952, 0.0000,

0.3878

1.0000

317.3926, 0.3302,  
0.3842

0.0000, 0.0000,  
0.0000

47.4450, 0.3423,  
0.4366

47.4450, 0.3423,  
0.4366

46.2012, 0.3479,  
0.4652

48.8451, 0.3355,  
0.4078

45.1003, 0.3520,  
0.4924

50.4018, 0.3281,  
0.3797

44.1370, 0.3540,  
0.5168


52.1230, 0.3203,  
0.3530


43.3024, 0.3537,  
0.5370


54.0145, 0.3125,  
0.3283


42.5866, 0.3511,  
0.5522

56.0817, 0.3048,  
0.3056


 41.9719, 0.3467,  
0.5627

 58.3295, 0.2975,  
0.2850

 41.9540, 0.3466,  
0.5630

 60.7631, 0.2906,  
0.2665

 62.2283, 0.2952,  
0.2655

 63.6187, 0.3013,  
0.2666

# Harmonies

## Analogous

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



47.4450, 0.3948, 0.4265



47.4450, 0.3423, 0.4366



47.4450, 0.2845, 0.4091

# Triad

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



47.4450, 0.3423, 0.4366



47.4450, 0.2091, 0.2541



47.4450, 0.3911, 0.3016

# Complementary

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



47.4450, 0.3423, 0.4366



23.1055, 0.2712, 0.2184

# 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.



47.4450, 0.3336, 0.2645



47.4450, 0.3423, 0.4366



47.4450, 0.2312, 0.2369

# Square

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



47.4450, 0.3423, 0.4366



47.4450, 0.2109, 0.2945



47.4450, 0.2750, 0.2415



47.4450, 0.4264, 0.3464



# Rectangle

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



47.4450, 0.3423, 0.4366



47.4450, 0.2510, 0.3732



47.4450, 0.2750, 0.2415



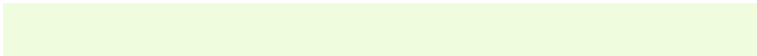
47.4450, 0.3734, 0.2881

# Sweetspot

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



47.4471, 0.3423, 0.4366



93.6163, 0.3222, 0.3595



34.2778, 0.3936, 0.3724



20.4083, 0.3233, 0.3630



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.



47.4471, 0.3423, 0.4366



83.8949, 0.3475, 0.4626



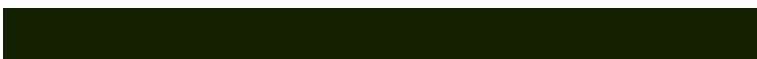
44.1141, 0.3118, 0.4475



11.5363, 0.3200, 0.3522



27.6297, 0.3474, 0.5623



1.2338, 0.3633, 0.5498



# Inverse Universe

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



23.1055, 0.2712, 0.2184



33.4609, 0.2588, 0.1908



27.2581, 0.3104, 0.2303



9.9545, 0.3049, 0.3057



3.8226, 0.1903, 0.0822



0.2058, 0.2163, 0.0965



# Previews

## White Background



This preview shows how the Yxy color 47.4450, 0.3423, 0.4366 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 47.4450, 0.3423, 0.4366 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 47.4450, 0.3423, 0.4366**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.4450, 0.3423, 0.4366.



This preview shows how white text looks on a background with the Yxy color 47.4450, 0.3423, 0.4366.

# 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

47.4450, 0.3423, 0.4366

### Protanopia

47.2013, 0.3843, 0.4173

### Deuteranopia

47.1005, 0.4008, 0.3933



## Tritanopia

47.1752, 0.2917, 0.3095

# Trichromacy



## Original Color

47.4450, 0.3423, 0.4366

## Protanomaly

47.0698, 0.3686, 0.4251

## Deuteranomaly

46.8177, 0.3783, 0.4080

## Tritanomaly

47.1558, 0.3107, 0.3548

# Monochromacy



## Original Color

47.4450, 0.3423, 0.4366

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

44.3350, 0.3247, 0.3678

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4450, 0.3423, 0.4366 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, 194, 117)` looks like.

```
.text, #text, p{  
    color:rgb(161, 194, 117)  
}
```

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, 194, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 194, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4450, 0.3423, 0.4366 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, 194, 117) }
```

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

```
.border{ border-color:rgb(161, 194, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 194, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 194, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 194, 117); box-shadow:4px 4px 4px 4px rgb(161, 194, 117) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4450, 0.3423, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 194, 117) }
```

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

```
.background{ background-color: rgb(161,  
194, 117) }
```

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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