

# Converting Colors

$Yxy(46.8770, 0.3478, 0.4377)$

Have a look what the booklet for  
Yxy(46.8770, 0.3478, 0.4377)  
contains.

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# Color

**Yxy(46.8067, 0.3476, 0.4375)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A4C072
RGB	164, 192, 114
RGB Percent	64%, 75%, 45%
CMY	0.3571, 0.2470, 0.5530
CMYK	0.15, 0.00, 0.41, 0.25
HSL	82°, 38%, 60%
HSV	82°, 41%, 75%
XYZ	37.1886, 46.8067, 22.9915
YIQ	174.7360, 8.3500, -30.1940

# Conversions

## Conversions Part 2

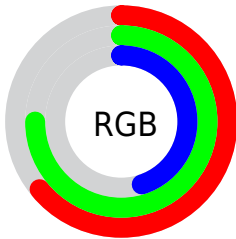
Format	Color
<b>RYB</b>	114, 192, 142
Decimal	10797170
CIELab	74.07, -22.51, 36.19
CIELCh	74, 42.621, 121.886
Yxy	46.8067, 0.3476, 0.4375
Android (android.graphics.Color)	4288987250 (0xFFA4C072)
YUV	174.7360, -29.9428, -9.4155
Hunter-Lab	68.4154, -22.6997, 27.9660

# Details

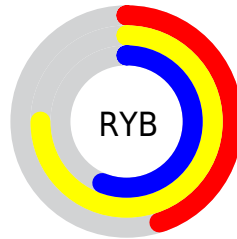
The Yxy color **46.8067, 0.3476, 0.4375** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **21.5958, 0.2645, 0.2140**, and the grayscale version is **42.8769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1405, 0.3426, 0.4163**, and **21.9266, 0.3548, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **45.7016, 0.3543, 0.4650**, and if you desaturate by 10%, it is **48.0476, 0.3397, 0.4095**.

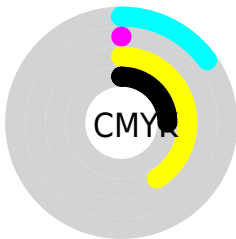
# Distribution



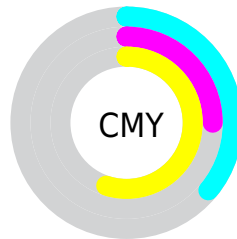
- Red (64%)
- Green (75%)
- Blue (45%)



- Red (45%)
- Yellow (75%)
- Blue (56%)



- Cyan (15%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)




- Cyan (36%)
- Magenta (25%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8067, 0.3476, 0.4375 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 46.8067, 0.3476, 0.4375 by changing the saturation by 10% instead.





 46.8067, 0.3476,  
0.4375


 46.8067, 0.3476,  
0.4375


374.0424, 0.3320,  
0.3816


 32.8829, 0.3507,  
0.4517


 85.4250, 0.3425,  
0.4169

 22.0367, 0.3541,  
0.4700


 110.8883, 0.3404,  
0.4092

 13.8839, 0.3576,  
0.4943


 140.9668, 0.3385,  
0.4028

 8.0400, 0.3602,  
0.5274

 176.0450, 0.3369,  
0.3973

 4.1205, 0.3645,  
0.5831

216.5073, 0.3355,  
0.3925

 1.7412, 0.3490,  
0.6510

262.7380, 0.3342,

 0.4501, 0.0000,

0.3884

1.0000

315.1216, 0.3330,  
0.3848

0.0000, 0.0000,  
0.0000

46.8067, 0.3476,  
0.4375

46.8067, 0.3476,  
0.4375

45.7016, 0.3543,  
0.4650

48.0476, 0.3397,  
0.4095

44.7198, 0.3593,  
0.4907

49.4240, 0.3311,  
0.3818

43.8561, 0.3622,  
0.5134


50.9435, 0.3222,  
0.3554


43.1027, 0.3628,  
0.5319


52.6113, 0.3133,  
0.3305

42.4500, 0.3608,  
0.5455


54.4321, 0.3046,  
0.3076

 41.9136, 0.3574,  
0.5545

 56.4107, 0.2963,  
0.2866

 58.5513, 0.2884,  
0.2676

 60.0194, 0.2891,  
0.2622

 61.1145, 0.2941,  
0.2632

# Harmonies

## Analogous

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



46.8067, 0.3990, 0.4244



46.8067, 0.3476, 0.4375



46.8067, 0.2895, 0.4134

# Triad

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



46.8067, 0.3476, 0.4375



46.8067, 0.2080, 0.2566



46.8067, 0.3868, 0.2977

# Complementary

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



46.8067, 0.3476, 0.4375



21.5958, 0.2645, 0.2140

# 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.



46.8067, 0.3281, 0.2616



46.8067, 0.3476, 0.4375



46.8067, 0.2280, 0.2373

# Square

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



46.8067, 0.3476, 0.4375



46.8067, 0.2120, 0.2991



46.8067, 0.2701, 0.2400



46.8067, 0.4249, 0.3422



# Rectangle

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



46.8067, 0.3476, 0.4375



46.8067, 0.2549, 0.3788



46.8067, 0.2701, 0.2400



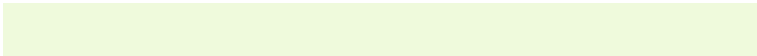
46.8067, 0.3684, 0.2844

# Sweetspot

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



46.8088, 0.3476, 0.4375



91.8420, 0.3236, 0.3594



31.5623, 0.3989, 0.3665



19.6235, 0.3248, 0.3628



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

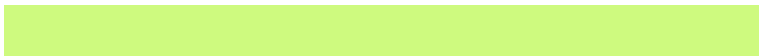


# Same Dimension

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



46.8088, 0.3476, 0.4375



82.9536, 0.3538, 0.4627



43.3342, 0.3157, 0.4492



11.5713, 0.3211, 0.3521



28.2428, 0.3581, 0.5539



1.2580, 0.3720, 0.5428



# Inverse Universe

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



21.5958, 0.2645, 0.2140



30.9048, 0.2505, 0.1853



25.5806, 0.3046, 0.2264



9.9204, 0.3038, 0.3056



3.4542, 0.1792, 0.0761



0.1883, 0.2055, 0.0906



# Previews

## White Background



This preview shows how the Yxy color 46.8067, 0.3476, 0.4375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

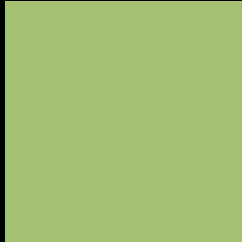
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8067, 0.3476, 0.4375 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 46.8067, 0.3476, 0.4375**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.8067, 0.3476, 0.4375.



This preview shows how white text looks on a background with the Yxy color 46.8067, 0.3476, 0.4375.

# 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

46.8067, 0.3476, 0.4375

### Protanopia

46.7238, 0.3871, 0.4197

### Deuteranopia

46.6402, 0.4039, 0.3956



## Tritanopia

46.6011, 0.2955, 0.3095

# Trichromacy



**Original Color**

46.8067, 0.3476, 0.4375

**Protanomaly**

46.7046, 0.3722, 0.4273

**Deuteranomaly**

46.4742, 0.3821, 0.4103

**Tritanomaly**

46.5658, 0.3149, 0.3548

# Monochromacy



**Original Color**

46.8067, 0.3476, 0.4375

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

44.0056, 0.3265, 0.3678

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8067, 0.3476, 0.4375 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(164, 192, 114)` looks like.

```
.text, #text, p{  
    color:rgb(164, 192, 114)  
}
```

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(164, 192, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 192, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8067, 0.3476, 0.4375 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(164, 192, 114) }
```

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

```
.border{ border-color:rgb(164, 192, 114) }
```

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

Here you see how a box with a 4 pixel rgb(164, 192, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 192, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 192, 114);  
box-shadow:4px 4px 4px 4px rgb(164, 192,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8067, 0.3476, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 192, 114) }
```

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

```
.background{ background-color: rgb(164,  
192, 114) }
```

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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