

# Converting Colors

$Yxy(46.8337, 0.2975, 0.4394)$

Have a look what the booklet for  
Yxy(46.8337, 0.2975, 0.4394)  
contains.

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# Color

**Yxy(46.9357, 0.2974, 0.4392)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72C981
RGB	114, 201, 129
RGB Percent	45%, 79%, 51%
CMY	0.5532, 0.2117, 0.4942
CMYK	0.43, 0.00, 0.36, 0.21
HSL	130°, 45%, 62%
HSV	130°, 43%, 79%
XYZ	31.7821, 46.9357, 28.1486
YIQ	166.7790, -28.7400, -40.8360

# Conversions

## Conversions Part 2

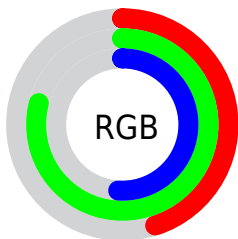
Format	Color
R <sub>Y</sub> B	114, 188, 201
Decimal	7522689
CIE Lab	74.15, -41.53, 28.02
CIE LCh	74, 50.097, 145.990
Yxy	46.9357, 0.2974, 0.4392
Android (android.graphics.Color)	4285712769 (0xFF72C981)
YUV	166.7790, -18.6250, -46.2872
Hunter-Lab	68.5096, -37.0846, 23.5962

# Details

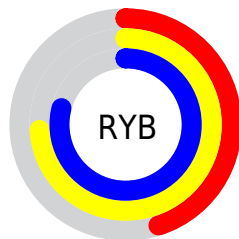
The Yxy color **46.9357, 0.2974, 0.4392** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.9845, 0.3338, 0.2397**, and the grayscale version is **38.6271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4434, 0.3018, 0.4144**, and **22.0218, 0.2896, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **45.3286, 0.2948, 0.4700**, and if you desaturate by 10%, it is **48.9147, 0.3006, 0.4097**.

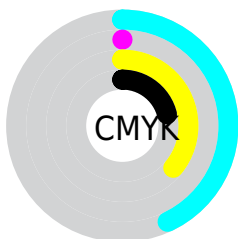
# Distribution



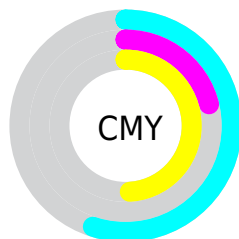
- Red (45%)
- Green (79%)
- Blue (51%)



- Red (45%)
- Yellow (74%)
- Blue (79%)



- Cyan (43%)
- Magenta (0%)
- Yellow (36%)
- Black (21%)




- Cyan (55%)
- Magenta (21%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9357, 0.2974, 0.4392 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 46.9357, 0.2974, 0.4392 by changing the saturation by 10% instead.





 46.9357, 0.2974,  
0.4392


 46.9357, 0.2974,  
0.4392


374.5578, 0.3069,  
0.3808

 32.9848, 0.2943,  
0.4548


 85.6176, 0.3013,  
0.4172

 22.1148, 0.2900,  
0.4753


 111.1175, 0.3027,  
0.4092

 13.9413, 0.2834,  
0.5035


 141.2358, 0.3038,  
0.4025

 8.0798, 0.2728,  
0.5442

176.3569, 0.3046,  
0.3968

 4.1461, 0.2534,  
0.6072

216.8653, 0.3054,  
0.3920

 1.7556, 0.2129,  
0.7871

263.1453, 0.3060,

 0.4593, 0.0000,

0.3878

1.0000

315.5814, 0.3065,  
0.3841

0.0000, 0.0000,  
0.0000

46.9357, 0.2974,  
0.4392

46.9357, 0.2974,  
0.4392

45.3286, 0.2948,  
0.4700

48.9147, 0.3006,  
0.4097

44.0646, 0.2931,  
0.5007

51.2810, 0.3041,  
0.3824

43.1198, 0.2924,  
0.5296


54.0558, 0.3078,  
0.3577

42.4648, 0.2929,  
0.5549

57.2575, 0.3115,  
0.3357

42.0645, 0.2946,  
0.5749

60.9030, 0.3151,  
0.3164

 41.8993, 0.2958,  
0.5849

 65.0085, 0.3185,  
0.2996

 69.5892, 0.3217,  
0.2851

 70.2595, 0.3152,  
0.2762

# Harmonies

## Analogous

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



46.9357, 0.3648, 0.4569



46.9357, 0.2974, 0.4392



46.9357, 0.2377, 0.3780

# Triad

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



46.9357, 0.2974, 0.4392



46.9357, 0.2084, 0.2253



46.9357, 0.4387, 0.3322

# Complementary

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



46.9357, 0.2974, 0.4392



27.9845, 0.3338, 0.2397

# 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.



46.9357, 0.3870, 0.2832



46.9357, 0.2974, 0.4392



46.9357, 0.2515, 0.2244

# Square

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



46.9357, 0.2974, 0.4392



46.9357, 0.1910, 0.2516



46.9357, 0.3160, 0.2451



46.9357, 0.4505, 0.3846



# Rectangle

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



46.9357, 0.2974, 0.4392



46.9357, 0.2099, 0.3285



46.9357, 0.3160, 0.2451



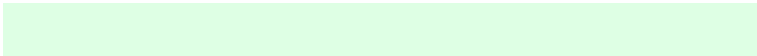
46.9357, 0.4253, 0.3151

# Sweetspot

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



46.9377, 0.2974, 0.4392



92.6040, 0.3079, 0.3573



53.4951, 0.3640, 0.4396



19.5797, 0.3070, 0.3626



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.



46.9377, 0.2974, 0.4392



77.7409, 0.2949, 0.4682



48.3311, 0.2711, 0.3715



11.9173, 0.3093, 0.3487



26.3503, 0.2953, 0.5831



1.2572, 0.2853, 0.5471



# Inverse Universe

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



27.9845, 0.3338, 0.2397



41.1085, 0.3397, 0.2222



26.4229, 0.3865, 0.2913



10.7839, 0.3164, 0.3101



9.5568, 0.3696, 0.1810



0.4610, 0.3578, 0.1745



# Previews

## White Background



This preview shows how the Yxy color 46.9357, 0.2974, 0.4392 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 46.9357, 0.2974, 0.4392 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 46.9357, 0.2974, 0.4392**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.9357, 0.2974, 0.4392.

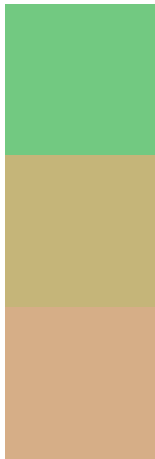


This preview shows how white text looks on a background with the Yxy color 46.9357, 0.2974, 0.4392.

# 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

46.9357, 0.2974, 0.4392

### Protanopia

46.2985, 0.3770, 0.4059

### Deuteranopia

46.3175, 0.3843, 0.3768



## Tritanopia

46.5919, 0.2586, 0.3069

# Trichromacy



## Original Color

46.9357, 0.2974, 0.4392



## Protanomaly

45.6372, 0.3443, 0.4183



## Deuteranomaly

45.4394, 0.3484, 0.3985



## Tritanomaly

46.6449, 0.2725, 0.3520

# Monochromacy



## Original Color

46.9357, 0.2974, 0.4392



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

40.8360, 0.3067, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9357, 0.2974, 0.4392 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(114, 201, 129)` looks like.

```
.text, #text, p{  
    color:rgb(114, 201, 129)  
}
```

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(114, 201, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 201, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9357, 0.2974, 0.4392 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(114, 201, 129) }
```

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

```
.border{ border-color:rgb(114, 201, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 201, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 201, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 201, 129);  
box-shadow:4px 4px 4px 4px rgb(114, 201,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9357, 0.2974, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 201, 129) }
```

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

```
.background{ background-color: rgb(114,  
201, 129) }
```

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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