

# Converting Colors

$Yxy(45.5736, 0.3387, 0.4074)$

Have a look what the booklet for  
Yxy(45.5736, 0.3387, 0.4074)  
contains.

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# Color

**Yxy(45.3948, 0.3392, 0.4073)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A7BB83
RGB	167, 187, 131
RGB Percent	65%, 73%, 51%
CMY	0.3451, 0.2667, 0.4861
CMYK	0.11, 0.00, 0.30, 0.27
HSL	81°, 29%, 62%
HSV	81°, 30%, 73%
XYZ	37.8049, 45.3948, 28.2533
YIQ	174.6360, 6.0560, -21.6560

# Conversions

## Conversions Part 2

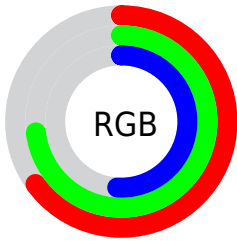
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 187, 151
Decimal	10992515
CIELab	73.15, -16.56, 26.14
CIElCh	73, 30.947, 122.353
Yxy	45.3948, 0.3392, 0.4073
Android (android.graphics.Color)	4289182595 (0xFFA7BB83)
YUV	174.6360, -21.5125, -6.6968
Hunter-Lab	67.3757, -17.7501, 22.3003

# Details

The Yxy color **45.3948, 0.3392, 0.4073** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.4123, 0.2796, 0.2473**, and the grayscale version is **42.7847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2499, 0.3355, 0.3926**, and **21.2217, 0.3448, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **44.2252, 0.3472, 0.4353**, and if you desaturate by 10%, it is **46.6975, 0.3305, 0.3798**.

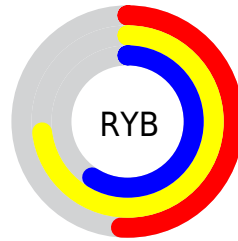
# Distribution



Red (65%)

Green (73%)

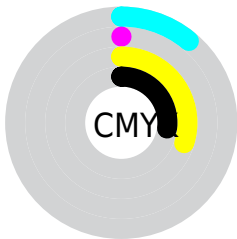
Blue (51%)



Red (51%)

Yellow (73%)

Blue (59%)

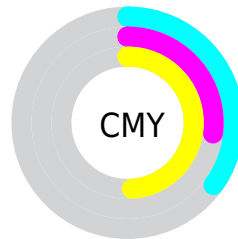


Cyan (11%)

Magenta (0%)

Yellow (30%)

Black (27%)



Cyan (35%)

Magenta (27%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3948, 0.3392, 0.4073 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 45.3948, 0.3392, 0.4073 by changing the saturation by 10% instead.





 45.3948, 0.3392,  
0.4073

 45.3948, 0.3392,  
0.4073


368.3702, 0.3267,  
0.3669


 31.7685, 0.3420,  
0.4177


 83.3125, 0.3349,  
0.3923

 21.1847, 0.3453,  
0.4313


 108.3728, 0.3332,  
0.3868

 13.2591, 0.3493,  
0.4495


 138.0131, 0.3318,  
0.3822

 7.6072, 0.3538,  
0.4752

172.6179, 0.3305,  
0.3782

 3.8447, 0.3580,  
0.5134

212.5717, 0.3294,  
0.3748

 1.5871, 0.3835,  
0.6165

258.2587, 0.3284,

 0.3488, 0.0000,

0.3718

1.0000

310.0634, 0.3275,  
0.3692

0.0000, 0.0000,  
0.0000

45.3948, 0.3392,  
0.4073

45.3948, 0.3392,  
0.4073

44.2252, 0.3472,  
0.4353

46.6975, 0.3305,  
0.3798

43.1774, 0.3540,  
0.4628

48.1325, 0.3216,  
0.3535

42.2472, 0.3592,  
0.4886

49.7065, 0.3127,  
0.3288

41.4281, 0.3624,  
0.5115

51.4241, 0.3040,  
0.3061

40.7128, 0.3631,  
0.5303

53.2895, 0.2957,  
0.2853

■ 40.0924, 0.3614,  
0.5443

■ 55.3069, 0.2878,  
0.2665

■ 39.5505, 0.3579,  
0.5540

■ 57.0255, 0.2850,  
0.2560

■ 39.5469, 0.3578,  
0.5541

■ 58.0505, 0.2899,  
0.2570

■ 59.1173, 0.2948,  
0.2580

# Harmonies

## Analogous

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



45.3948, 0.3770, 0.4006



45.3948, 0.3392, 0.4073



45.3948, 0.2959, 0.3887

# Triad

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



45.3948, 0.3392, 0.4073



45.3948, 0.2336, 0.2755



45.3948, 0.3676, 0.3067

# Complementary

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



45.3948, 0.3392, 0.4073



26.4123, 0.2796, 0.2473

# 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.



45.3948, 0.3254, 0.2784



45.3948, 0.3392, 0.4073



45.3948, 0.2495, 0.2599

# Square

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



45.3948, 0.3392, 0.4073



45.3948, 0.2368, 0.3077



45.3948, 0.2822, 0.2616



45.3948, 0.3950, 0.3411



# Rectangle

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



45.3948, 0.3392, 0.4073



45.3948, 0.2699, 0.3644



45.3948, 0.2822, 0.2616



45.3948, 0.3545, 0.2963

# Sweetspot

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



45.3968, 0.3392, 0.4073



86.4142, 0.3209, 0.3515



34.2166, 0.3707, 0.3563



18.9430, 0.3222, 0.3552



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.



45.3968, 0.3392, 0.4073



79.8819, 0.3446, 0.4259



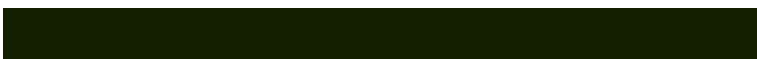
42.7073, 0.3155, 0.4134



10.9453, 0.3211, 0.3520



27.2890, 0.3586, 0.5535



1.1044, 0.3734, 0.5417



# Inverse Universe

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



26.4123, 0.2796, 0.2473



40.3472, 0.2703, 0.2268



29.3664, 0.3074, 0.2537



9.3868, 0.3038, 0.3057



3.3275, 0.1790, 0.0760



0.1675, 0.2075, 0.0917



# Previews

## White Background



This preview shows how the Yxy color 45.3948, 0.3392, 0.4073 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 45.3948, 0.3392, 0.4073 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 45.3948, 0.3392, 0.4073**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.3948, 0.3392, 0.4073.



This preview shows how white text looks on a background with the Yxy color 45.3948, 0.3392, 0.4073.

# 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

45.3948, 0.3392, 0.4073

### Protanopia

45.1362, 0.3683, 0.3957

### Deuteranopia

45.0752, 0.3832, 0.3762



## Tritanopia

45.3206, 0.2992, 0.3107

# Trichromacy



## Original Color

45.3948, 0.3392, 0.4073

## Protanomaly

45.2312, 0.3579, 0.4001

## Deuteranomaly

44.7398, 0.3667, 0.3864

## Tritanomaly

45.2424, 0.3145, 0.3452

# Monochromacy



## Original Color

45.3948, 0.3392, 0.4073

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.5141, 0.3228, 0.3566

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3948, 0.3392, 0.4073 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(167, 187, 131)` looks like.

```
.text, #text, p{  
    color:rgb(167, 187, 131)  
}
```

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(167, 187, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 187, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3948, 0.3392, 0.4073 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(167, 187, 131) }
```

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

```
.border{ border-color:rgb(167, 187, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 187, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 187, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 187, 131);  
box-shadow:4px 4px 4px 4px rgb(167, 187,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3948, 0.3392, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 187, 131) }
```

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

```
.background{ background-color: rgb(167,  
187, 131) }
```

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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