

# Converting Colors

Yxy(66.8446, 0.3399, 0.3845)

Have a look what the booklet for  
Yxy(66.8446, 0.3399, 0.3845)  
contains.

<b>Yxy(66.8940, 0.3404, 0.3847)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(66.8940, 0.3404, 0.3847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3DAAA
RGB	211, 218, 170
RGB Percent	83%, 85%, 67%
CMY	0.1725, 0.1451, 0.3335
CMYK	0.03, 0.00, 0.22, 0.15
HSL	69°, 39%, 76%
HSV	69°, 22%, 85%
XYZ	59.1908, 66.8940, 47.8013
YIQ	210.4350, 11.2360, -16.4120

# Conversions

## Conversions Part 2

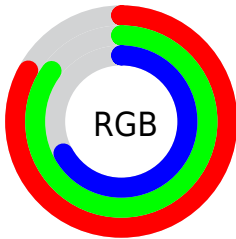
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 218, 177
Decimal	13884074
CIELab	85.45, -10.30, 22.91
CIELCh	85, 25.121, 114.218
Yxy	66.8940, 0.3404, 0.3847
Android (android.graphics.Color)	4292074154 (0xFFD3DAAA)
YUV	210.4350, -19.9345, 0.4955
Hunter-Lab	81.7888, -13.9492, 22.6002

# Details

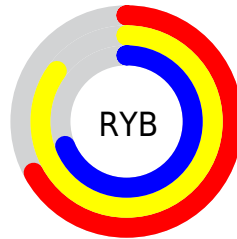
The Yxy color **66.8940, 0.3404, 0.3847** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.1376, 0.2812, 0.2687**, and the grayscale version is **64.8787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **34.5703, 0.3462, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **65.6755, 0.3528, 0.4108**, and if you desaturate by 10%, it is **68.2645, 0.3277, 0.3589**.

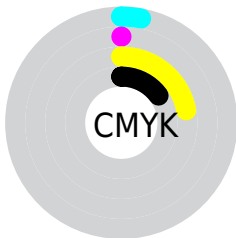
# Distribution



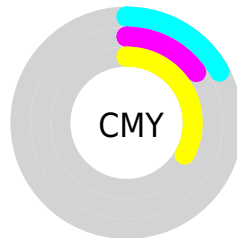
- Red (83%)
- Green (85%)
- Blue (67%)



- Red (67%)
- Yellow (85%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (22%)
- Black (15%)



- Cyan (17%)
- Magenta (15%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8940, 0.3404, 0.3847 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 66.8940, 0.3404, 0.3847 by changing the saturation by 10% instead.



66.8940, 0.3404,  
0.3847

66.8940, 0.3404,  
0.3847

449.5674, 0.3277,  
0.3581

48.9985, 0.3432,  
0.3910

114.7685, 0.3361,  
0.3753

34.6183, 0.3467,  
0.3988

145.5163, 0.3344,  
0.3717

23.3690, 0.3509,  
0.4089

181.3170, 0.3329,  
0.3686

14.8662, 0.3563,  
0.4223

222.5549, 0.3316,  
0.3659

8.7255, 0.3633,  
0.4408

269.6145, 0.3305,  
0.3636

4.5626, 0.3722,  
0.4680

322.8802, 0.3294,

1.9930, 0.3987,

0.3615

382.7364, 0.3285,  
0.3597

0.5318

0.6034, 0.3479,  
0.6521

0.0000, 0.0000,  
0.0000

66.8940, 0.3404,  
0.3847

66.8940, 0.3404,  
0.3847

65.6755, 0.3528,  
0.4108

68.2645, 0.3277,  
0.3589

64.5932, 0.3644,  
0.4364


69.7844, 0.3152,  
0.3339


63.6429, 0.3748,  
0.4603

71.4627, 0.3031,  
0.3104


62.8163, 0.3833,  
0.4816


73.1648, 0.2930,  
0.2906

 62.1045, 0.3895,  
0.4992


 73.6755, 0.2951,  
0.2908


 61.4971, 0.3932,  
0.5125


 74.1956, 0.2973,  
0.2911

 60.9816, 0.3942,  
0.5213

 74.7253, 0.2994,  
0.2913

 60.6203, 0.3936,  
0.5257

 75.2646, 0.3016,  
0.2916

 75.8135, 0.3037,  
0.2918

# Harmonies

## Analogous

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



66.8940, 0.3646, 0.3770



66.8940, 0.3404, 0.3847



66.8940, 0.3096, 0.3759

# Triad

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



66.8940, 0.3404, 0.3847



66.8940, 0.2543, 0.2964



66.8940, 0.3445, 0.3068

# Complementary

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



66.8940, 0.3404, 0.3847



43.1376, 0.2812, 0.2687

# Split Complementary

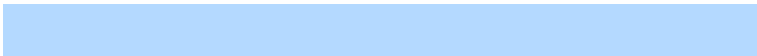
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8940, 0.3134, 0.2876



66.8940, 0.3404, 0.3847



66.8940, 0.2624, 0.2809

# Square

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



66.8940, 0.3404, 0.3847



66.8940, 0.2608, 0.3224



66.8940, 0.2836, 0.2782



66.8940, 0.3674, 0.3316



# Rectangle

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



66.8940, 0.3404, 0.3847



66.8940, 0.2896, 0.3613



66.8940, 0.2836, 0.2782



66.8940, 0.3346, 0.2995

# Sweetspot

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



66.8970, 0.3404, 0.3847



98.4140, 0.3215, 0.3463



49.0011, 0.3558, 0.3368



21.0365, 0.3222, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

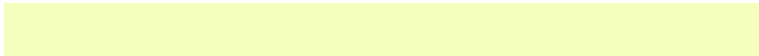


# Same Dimension

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



66.8970, 0.3404, 0.3847



94.6573, 0.3457, 0.3957



63.6835, 0.3226, 0.3880



15.1629, 0.3245, 0.3523



36.3527, 0.3940, 0.5254



2.3819, 0.3984, 0.5219



# Inverse Universe

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



43.1376, 0.2812, 0.2687



55.5391, 0.2741, 0.2556



46.1293, 0.3003, 0.2719



12.7076, 0.3003, 0.3050



3.2422, 0.1561, 0.0634



0.2396, 0.1688, 0.0704



# Previews

## White Background



This preview shows how the Yxy color 66.8940, 0.3404, 0.3847 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

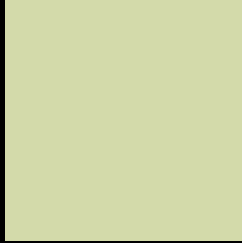
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8940, 0.3404, 0.3847 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

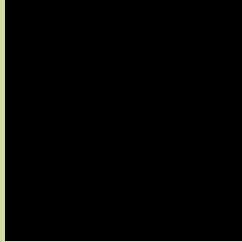
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

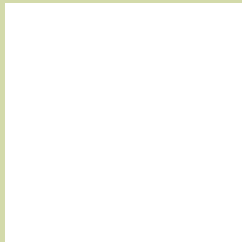
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.8940, 0.3404, 0.3847**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8940, 0.3404, 0.3847.



This preview shows how white text looks on a background with the Yxy color 66.8940, 0.3404, 0.3847.

# 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

66.8940, 0.3404, 0.3847

### Protanopia

66.7465, 0.3555, 0.3794

### Deuteranopia

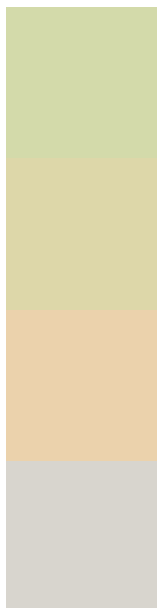
66.6362, 0.3710, 0.3631



## Tritanopia

66.6993, 0.3077, 0.3104

# Trichromacy



## Original Color

66.8940, 0.3404, 0.3847

## Protanomaly

66.8376, 0.3495, 0.3812

## Deuteranomaly

66.7339, 0.3598, 0.3708

## Tritanomaly

66.6437, 0.3198, 0.3369

# Monochromacy



## Original Color

66.8940, 0.3404, 0.3847

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.2303, 0.3229, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8940, 0.3404, 0.3847 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(211, 218, 170)` looks like.

```
.text, #text, p{  
    color:rgb(211, 218, 170)  
}
```

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(211, 218, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 218, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8940, 0.3404, 0.3847 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(211, 218, 170) }
```

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

```
.border{ border-color:rgb(211, 218, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 218, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 218, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 218, 170);  
box-shadow:4px 4px 4px 4px rgb(211, 218,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8940, 0.3404, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 218, 170) }
```

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

```
.background{ background-color: rgb(211,  
218, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor