

# Converting Colors

$Yxy(85.6984, 0.3783, 0.4154)$

Have a look what the booklet for  
Yxy(85.6984, 0.3783, 0.4154)  
contains.

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# Color

**Yxy(85.8801, 0.3782, 0.4156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF099
RGB	255, 240, 153
RGB Percent	100%, 94%, 60%
CMY	0.0000, 0.0588, 0.3999
CMYK	0.00, 0.06, 0.40, 0.00
HSL	51°, 100%, 80%
HSV	51°, 40%, 100%
XYZ	78.1517, 85.8801, 42.6094
YIQ	234.5670, 36.8670, -23.8770

# Conversions

## Conversions Part 2

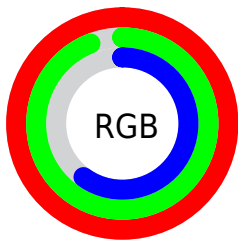
Format	Color
R <sub>Y</sub> B	171, 255, 153
Decimal	16773273
CIE Lab	94.26, -6.84, 43.82
CIE LCh	94, 44.347, 98.875
Yxy	85.8801, 0.3782, 0.4156
Android (android.graphics.Color)	4294963353 (0xFFFFFFFF099)
YUV	234.5670, -40.2125, 17.9197
Hunter-Lab	92.6715, -11.6426, 37.6091

# Details

The Yxy color **85.8801, 0.3782, 0.4156** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.0122, 0.2410, 0.2240**, and the grayscale version is **83.0263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **47.0714, 0.3916, 0.4341** is the 20% darker color. If you saturate the color by 10%, you get **82.9442, 0.3948, 0.4356**, and if you desaturate by 10%, it is **89.0496, 0.3612, 0.3941**.

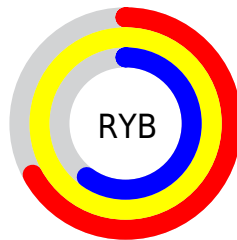
# Distribution



Red (100%)

Green (94%)

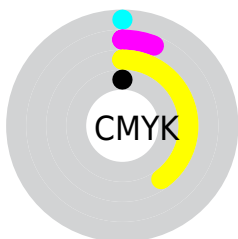
Blue (60%)



Red (67%)

Yellow (100%)

Blue (60%)

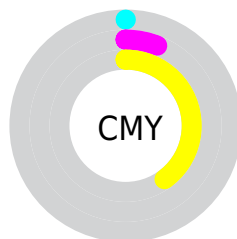


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8801, 0.3782, 0.4156 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 85.8801, 0.3782, 0.4156 by changing the saturation by 10% instead.




 85.8801, 0.3782,  
0.4156

 85.8801, 0.3782,  
0.4156


514.5358, 0.3498,  
0.3770

 64.5688, 0.3841,  
0.4239


 141.6022, 0.3688,  
0.4026

 47.1115, 0.3910,  
0.4338


 176.7817, 0.3650,  
0.3974

 33.1238, 0.3992,  
0.4459


217.3529, 0.3617,  
0.3929

 22.2213, 0.4089,  
0.4607

263.7000, 0.3588,  
0.3889

 14.0196, 0.4202,  
0.4790

316.2074, 0.3562,  
0.3854

 8.1343, 0.4327,  
0.5013

375.2596, 0.3538,

 4.1810, 0.4572,

0.3823

0.5428

441.2409, 0.3517,  
0.3795

■ 1.7753, 0.4471,  
0.5529

■ 0.4717, 0.3736,  
0.6264

■ 85.8801, 0.3782,  
0.4156

■ 85.8801, 0.3782,  
0.4156

■ 82.9442, 0.3948,  
0.4356

■ 89.0496, 0.3612,  
0.3941

■ 80.2181, 0.4102,  
0.4530

■ 92.4516, 0.3443,  
0.3720

■ 77.6928, 0.4237,  
0.4668

■ 96.1002, 0.3280,  
0.3501

■ 75.3529, 0.4347,  
0.4764

99.9997, 0.3127,  
0.3290

■ 73.1808, 0.4429,  
0.4813

■ 71.1473, 0.4485,  
0.4821

■ 71.1443, 0.4485,  
0.4821

# Harmonies

## Analogous

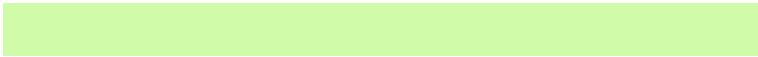
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8801, 0.4082, 0.3889



85.8801, 0.3782, 0.4156



85.8801, 0.3318, 0.4184

# Triad

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



85.8801, 0.3782, 0.4156



85.8801, 0.2230, 0.2942



85.8801, 0.3384, 0.2772

# Complementary

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



85.8801, 0.3782, 0.4156



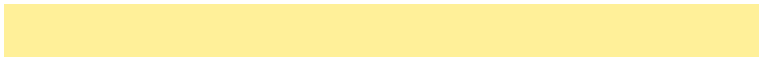
42.0122, 0.2410, 0.2240

# 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.



85.8801, 0.2873, 0.2549



85.8801, 0.3782, 0.4156



85.8801, 0.2244, 0.2616

# Square

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



85.8801, 0.3782, 0.4156



85.8801, 0.2434, 0.3423



85.8801, 0.2468, 0.2487



85.8801, 0.3853, 0.3112

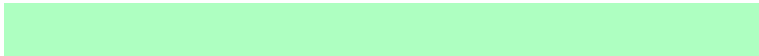


# Rectangle

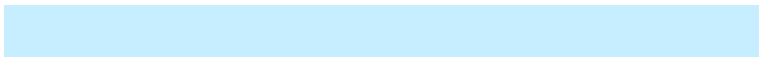
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8801, 0.3782, 0.4156



85.8801, 0.2984, 0.4031



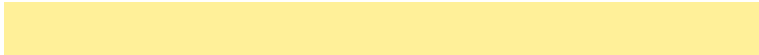
85.8801, 0.2468, 0.2487



85.8801, 0.3210, 0.2682

# Sweetspot

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



85.8840, 0.3782, 0.4156



95.3461, 0.3313, 0.3545



46.8938, 0.3989, 0.3132



20.3043, 0.3334, 0.3574



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

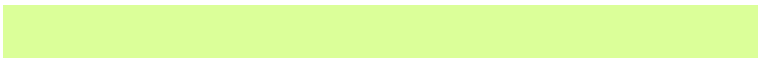
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8840, 0.3782, 0.4156



83.5116, 0.3915, 0.4318



88.9286, 0.3483, 0.4374



20.6086, 0.3273, 0.3491



37.3484, 0.4479, 0.4825



3.7551, 0.4441, 0.4855



# Inverse Universe

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



42.0122, 0.2410, 0.2240



34.1783, 0.2248, 0.1987



40.7980, 0.2637, 0.2136



17.8086, 0.2979, 0.3081



4.6090, 0.1533, 0.0717



0.5708, 0.1579, 0.0884



# Previews

## White Background



This preview shows how the Yxy color 85.8801, 0.3782, 0.4156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

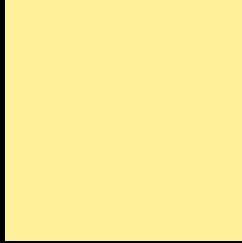
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8801, 0.3782, 0.4156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

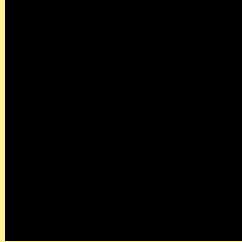
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.8801, 0.3782, 0.4156**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8801, 0.3782, 0.4156.

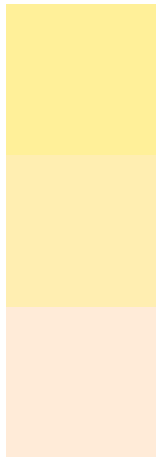


This preview shows how white text looks on a background with the Yxy color 85.8801, 0.3782, 0.4156.

# 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

85.8801, 0.3782, 0.4156

### Protanopia

85.5834, 0.3638, 0.3904

### Deuteranopia

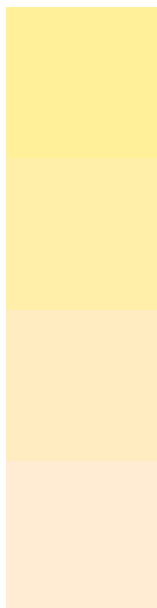
85.6345, 0.3387, 0.3480



## Tritanopia

86.0089, 0.3213, 0.3193

# Trichromacy



## Original Color

85.8801, 0.3782, 0.4156

## Protanomaly

85.8202, 0.3692, 0.4002

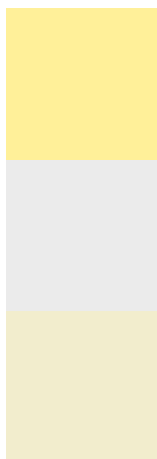
## Deuteranomaly

85.6786, 0.3535, 0.3733

## Tritanomaly

85.9040, 0.3425, 0.3550

# Monochromacy



## Original Color

85.8801, 0.3782, 0.4156

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.8534, 0.3364, 0.3620

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8801, 0.3782, 0.4156 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(255, 240, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 153)  
}
```

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(255, 240, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8801, 0.3782, 0.4156 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(255, 240, 153) }
```

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

```
.border{ border-color:rgb(255, 240, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8801, 0.3782, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 153) }
```

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

```
.background{ background-color: rgb(255,  
240, 153) }
```

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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