

# Converting Colors

$Yxy(86.2453, 0.3978, 0.4371)$

Have a look what the booklet for  
Yxy(86.2453, 0.3978, 0.4371)  
contains.

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# Color

**Yxy(85.1125, 0.3933, 0.4391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF07F
RGB	255, 240, 127
RGB Percent	100%, 94%, 50%
CMY	0.0000, 0.0588, 0.5020
CMYK	0.00, 0.06, 0.50, 0.00
HSL	53°, 100%, 75%
HSV	53°, 50%, 100%
XYZ	76.2349, 85.1125, 32.4866
YIQ	231.6030, 45.2130, -31.9630

# Conversions

## Conversions Part 2

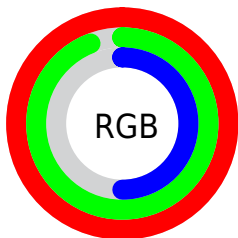
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 255, 127
Decimal	16773247
CIE <sub>Lab</sub>	93.93, -9.28, 55.89
CIE <sub>LCh</sub>	94, 56.660, 99.430
Yxy	85.1125, 0.3933, 0.4391
Android (android.graphics.Color)	4294963327 (0xFFFFF07F)
YUV	231.6030, -51.5693, 20.5192
Hunter-Lab	92.2564, -13.9476, 43.7015

# Details

The Yxy color **85.1125, 0.3933, 0.4391** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.0760, 0.2194, 0.1869**, and the grayscale version is **80.7508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **46.5112, 0.4076, 0.4608** is the 20% darker color. If you saturate the color by 10%, you get **82.7858, 0.4078, 0.4568**, and if you desaturate by 10%, it is **87.6383, 0.3774, 0.4187**.

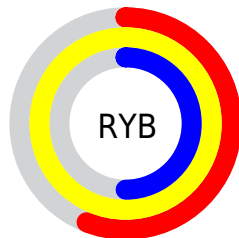
# Distribution



Red (100%)

Green (94%)

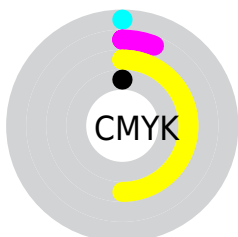
Blue (50%)



Red (56%)

Yellow (100%)

Blue (50%)

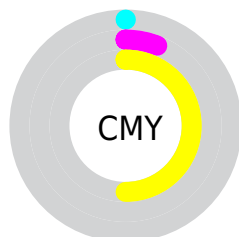


Cyan (0%)

Magenta (6%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1125, 0.3933, 0.4391 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 85.1125, 0.3933, 0.4391 by changing the saturation by 10% instead.




 85.1125, 0.3933,  
0.4391


 85.1125, 0.3933,  
0.4391


512.0003, 0.3593,  
0.3905


 63.9343, 0.4000,  
0.4492


 140.5303, 0.3824,  
0.4230

 46.5975, 0.4075,  
0.4611


 175.5388, 0.3778,  
0.4165

 32.7176, 0.4161,  
0.4752


 215.9262, 0.3739,  
0.4108

 21.9102, 0.4256,  
0.4918

262.0768, 0.3703,  
0.4058

 13.7909, 0.4352,  
0.5110

314.3752, 0.3671,  
0.4013

 7.9754, 0.4488,  
0.5389


373.2056, 0.3643,


 4.0792, 0.4459,


0.3973


0.5541

438.9525, 0.3617,  
0.3938


 1.7180, 0.4317,  
0.5683


 0.4352, 0.3006,  
0.6994


 85.1125, 0.3933,  
0.4391

 85.1125, 0.3933,  
0.4391

 82.7858, 0.4078,  
0.4568


 87.6383, 0.3774,  
0.4187


 80.6423, 0.4203,  
0.4710

 90.3720, 0.3609,  
0.3967

 78.6679, 0.4303,  
0.4808

 93.3254, 0.3444,  
0.3740

 76.8448, 0.4375,  
0.4860

 96.5083, 0.3283,  
0.3513

■ 75.1763, 0.4420,  
0.4872

99.9299, 0.3130,  
0.3294

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

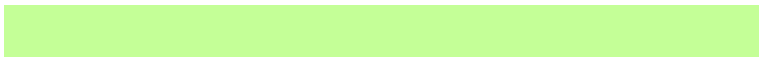
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1125, 0.4333, 0.4029



85.1125, 0.3933, 0.4391



85.1125, 0.3340, 0.4454

# Triad

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



85.1125, 0.3933, 0.4391



85.1125, 0.2005, 0.2821



85.1125, 0.3461, 0.2648

# Complementary

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



85.1125, 0.3933, 0.4391



31.0760, 0.2194, 0.1869

# 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.



85.1125, 0.2809, 0.2373



85.1125, 0.3933, 0.4391



85.1125, 0.2029, 0.2428

# Square

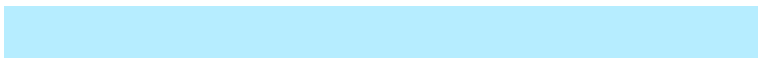
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1125, 0.3933, 0.4391



85.1125, 0.2242, 0.3438



85.1125, 0.2305, 0.2288



85.1125, 0.4068, 0.3063

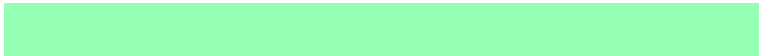


# Rectangle

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



85.1125, 0.3933, 0.4391



85.1125, 0.2920, 0.4255



85.1125, 0.2305, 0.2288



85.1125, 0.3237, 0.2538

# Sweetspot

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



85.1135, 0.3933, 0.4391



94.9505, 0.3359, 0.3621



38.4533, 0.4368, 0.3118



20.1806, 0.3393, 0.3669



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.



85.1135, 0.3933, 0.4391



82.8300, 0.4075, 0.4565



86.4716, 0.3539, 0.4664



20.7058, 0.3272, 0.3498



39.4257, 0.4416, 0.4876



3.9372, 0.4387, 0.4899



# Inverse Universe

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



31.0760, 0.2194, 0.1869



23.4602, 0.1999, 0.1551



31.3884, 0.2492, 0.1816



17.7204, 0.2979, 0.3073



4.3622, 0.1523, 0.0683

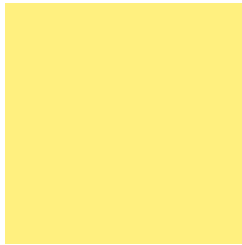


0.5295, 0.1564, 0.0828



# Previews

## White Background



This preview shows how the Yxy color 85.1125, 0.3933, 0.4391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

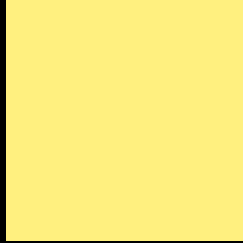
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1125, 0.3933, 0.4391 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 85.1125, 0.3933, 0.4391**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1125, 0.3933, 0.4391.



This preview shows how white text looks on a background with the Yxy color 85.1125, 0.3933, 0.4391.

# 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

85.1125, 0.3933, 0.4391

### Protanopia

85.2362, 0.3695, 0.3993

### Deuteranopia

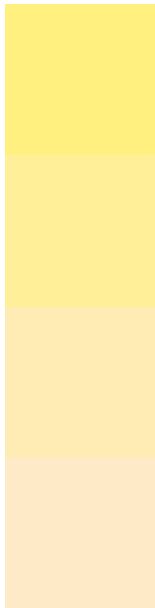
84.8591, 0.3415, 0.3511



## Tritanopia

84.8226, 0.3221, 0.3183

# Trichromacy



## Original Color

85.1125, 0.3933, 0.4391

## Protanomaly

85.2929, 0.3786, 0.4148

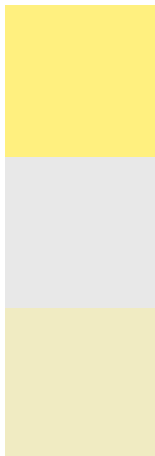
## Deuteranomaly

84.5871, 0.3617, 0.3845

## Tritanomaly

84.2758, 0.3495, 0.3633

# Monochromacy



## Original Color

85.1125, 0.3933, 0.4391

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.8370, 0.3425, 0.3719

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.1125, 0.3933, 0.4391 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1125, 0.3933, 0.4391 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, 127) }
```

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

```
.border{ border-color:rgb(255, 240, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1125, 0.3933, 0.4391 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, 127) }
```

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

```
.background{ background-color: rgb(255,  
240, 127) }
```

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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