

# Converting Colors

$Y_{xy}(117.0384, 0.4859, 0.4196)$

Have a look what the booklet for  
Yxy(117.0384, 0.4859, 0.4196)  
contains.

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**Color**

**Yxy(86.1874, 0.4073, 0.4658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF35F
RGB	255, 243, 95
RGB Percent	100%, 95%, 37%
CMY	0.0000, 0.0471, 0.6276
CMYK	0.00, 0.05, 0.63, 0.00
HSL	56°, 100%, 69%
HSV	56°, 63%, 100%
XYZ	75.3631, 86.1874, 23.4804
YIQ	229.7160, 54.6600, -43.4840

# Conversions

## Conversions Part 2

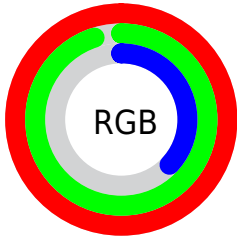
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 255, 95
Decimal	16773983
CIE <sub>Lab</sub>	94.39, -13.05, 70.40
CIE <sub>LCh</sub>	94, 71.596, 100.500
Yxy	86.1874, 0.4073, 0.4658
Android (android.graphics.Color)	4294964063 (0xFFFFF35F)
YUV	229.7160, -66.4150, 22.1741
Hunter-Lab	92.8372, -17.5628, 49.9904

# Details

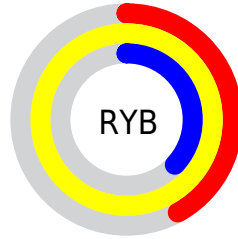
The Yxy color **86.1874, 0.4073, 0.4658** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **20.1590, 0.1930, 0.1388**, and the grayscale version is **79.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0144, 0.3739, 0.4302**, and **47.2582, 0.4211, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **84.6569, 0.4179, 0.4793**, and if you desaturate by 10%, it is **87.8781, 0.3944, 0.4484**.

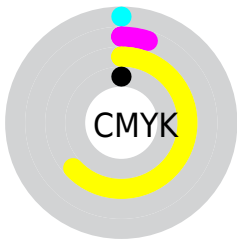
# Distribution



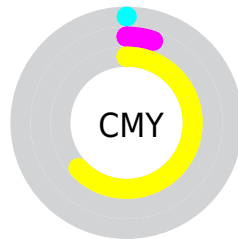
- Red (100%)
- Green (95%)
- Blue (37%)



- Red (42%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (5%)
- Yellow (63%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1874, 0.4073, 0.4658 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 86.1874, 0.4073, 0.4658 by changing the saturation by 10% instead.





 86.1874, 0.4073,  
0.4658


 86.1874, 0.4073,  
0.4658


515.5489, 0.3695,  
0.4069

 64.8229, 0.4140,  
0.4775

 142.0310, 0.3957,  
0.4467


 47.3175, 0.4212,  
0.4908


 177.2789, 0.3907,  
0.4389

 33.2867, 0.4285,  
0.5059


 217.9234, 0.3862,  
0.4319

 22.3462, 0.4353,  
0.5225

 264.3489, 0.3822,  
0.4258

 14.1115, 0.4415,  
0.5420

316.9398, 0.3785,  
0.4203

 8.1983, 0.4411,  
0.5589

376.0806, 0.3752,

 4.2221, 0.4294,

0.4153

0.5706

442.1555, 0.3722,  
0.4109

■ 1.7985, 0.4096,  
0.5904

■ 0.4863, 0.2281,  
0.7719

■ 86.1874, 0.4073,  
0.4658

■ 86.1874, 0.4073,  
0.4658

■ 84.6569, 0.4179,  
0.4793

■ 87.8781, 0.3944,  
0.4484

■ 83.2763, 0.4258,  
0.4884

■ 89.7475, 0.3798,  
0.4280

■ 82.0250, 0.4310,  
0.4930

■ 91.8058, 0.3641,  
0.4056

■ 81.1799, 0.4334,  
0.4941

■ 94.0639, 0.3481,  
0.3821

96.5318, 0.3322,  
0.3584

99.2188, 0.3168,  
0.3352

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

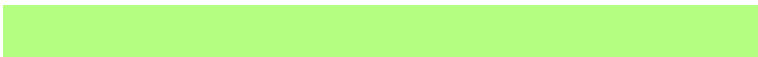
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1874, 0.4600, 0.4178



86.1874, 0.4073, 0.4658



86.1874, 0.3333, 0.4775

# Triad

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



86.1874, 0.4073, 0.4658



86.1874, 0.1757, 0.2661



86.1874, 0.3566, 0.2520

# Complementary

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



86.1874, 0.4073, 0.4658



20.1590, 0.1930, 0.1388

# 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.



86.1874, 0.2749, 0.2187



86.1874, 0.4073, 0.4658



86.1874, 0.1801, 0.2212

# Square

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



86.1874, 0.4073, 0.4658



86.1874, 0.2016, 0.3429



86.1874, 0.2134, 0.2070



86.1874, 0.4334, 0.3014



# Rectangle

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



86.1874, 0.4073, 0.4658



86.1874, 0.2819, 0.4519



86.1874, 0.2134, 0.2070



86.1874, 0.3283, 0.2388

# Sweetspot

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



86.1857, 0.4073, 0.4658



94.9666, 0.3421, 0.3731



30.5269, 0.4994, 0.3173



20.1792, 0.3466, 0.3799



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.



86.1857, 0.4073, 0.4658



84.3353, 0.4199, 0.4817



83.0774, 0.3544, 0.5020



20.8437, 0.3271, 0.3508



42.5165, 0.4331, 0.4943



4.2064, 0.4314, 0.4957



# Inverse Universe

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



20.1590, 0.1930, 0.1388



13.7636, 0.1724, 0.1037



23.0421, 0.2353, 0.1467



17.5964, 0.2978, 0.3063



4.0960, 0.1513, 0.0646

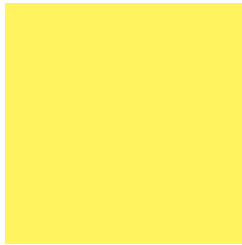


0.4711, 0.1541, 0.0748



# Previews

## White Background



This preview shows how the Yxy color 86.1874, 0.4073, 0.4658 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

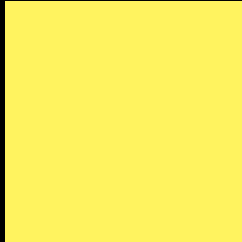
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.1874, 0.4073, 0.4658 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 86.1874, 0.4073, 0.4658**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.1874, 0.4073, 0.4658.

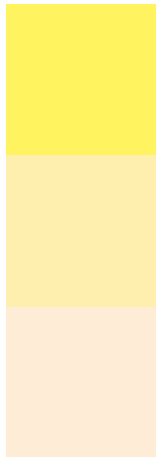


This preview shows how white text looks on a background with the Yxy color 86.1874, 0.4073, 0.4658.

# 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

86.1874, 0.4073, 0.4658

### Protanopia

86.0490, 0.3654, 0.3943

### Deuteranopia

86.1059, 0.3398, 0.3510



## Tritanopia

85.9486, 0.3219, 0.3202

# Trichromacy



## Original Color

86.1874, 0.4073, 0.4658



## Protanomaly

85.6245, 0.3830, 0.4231



## Deuteranomaly

85.9333, 0.3673, 0.3973



## Tritanomaly

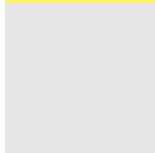
85.5025, 0.3562, 0.3773

# Monochromacy



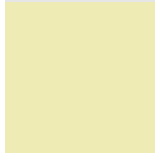
## Original Color

86.1874, 0.4073, 0.4658



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.1036, 0.3503, 0.3858

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.1874, 0.4073, 0.4658 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, 243, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 95)  
}
```

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, 243, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 86.1874, 0.4073, 0.4658 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, 243, 95) }
```

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

```
.border{ border-color:rgb(255, 243, 95) }
```

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

Here you see how a box with a 4 pixel rgb(255, 243, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.1874, 0.4073, 0.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 95) }
```

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

```
.background{ background-color: rgb(255,  
243, 95) }
```

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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