

# Converting Colors

$Y_{xy}(87.3130, 0.3806, 0.4316)$

Have a look what the booklet for  
Yxy(87.3130, 0.3806, 0.4316)  
contains.

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# Color

**Yxy(87.1337, 0.3808, 0.4313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF48D
RGB	251, 244, 141
RGB Percent	98%, 96%, 55%
CMY	0.0158, 0.0431, 0.4471
CMYK	0.00, 0.03, 0.44, 0.02
HSL	56°, 93%, 77%
HSV	56°, 44%, 98%
XYZ	76.9314, 87.1337, 37.9606
YIQ	234.3510, 37.2350, -30.5490

# Conversions

## Conversions Part 2

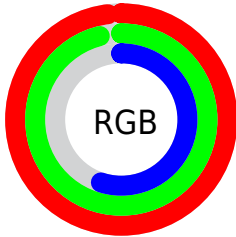
Format	Color
R <sub>Y</sub> B	148, 251, 141
Decimal	16512141
CIE Lab	94.79, -11.59, 50.26
CIE LCh	95, 51.583, 102.989
Yxy	87.1337, 0.3808, 0.4313
Android (android.graphics.Color)	4294702221 (0xFFFBF48D)
YUV	234.3510, -46.0220, 14.6012
Hunter-Lab	93.3454, -16.2423, 41.2304

# Details

The Yxy color **87.1337, 0.3808, 0.4313** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.7858, 0.2313, 0.2006**, and the grayscale version is **82.8922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **48.0085, 0.3936, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **85.5238, 0.3950, 0.4516**, and if you desaturate by 10%, it is **88.9290, 0.3655, 0.4088**.

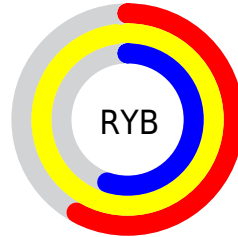
# Distribution



Red (98%)

Green (96%)

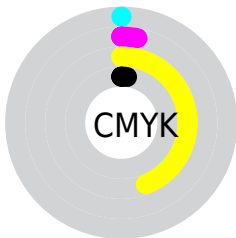
Blue (55%)



Red (58%)

Yellow (98%)

Blue (55%)

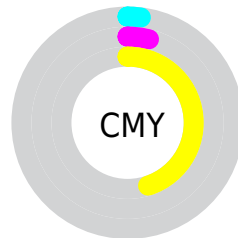


Cyan (0%)

Magenta (3%)

Yellow (44%)

Black (2%)



Cyan (2%)

Magenta (4%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1337, 0.3808, 0.4313 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 87.1337, 0.3808, 0.4313 by changing the saturation by 10% instead.




 87.1337, 0.3808,  
0.4313


 87.1337, 0.3808,  
0.4313

518.6621, 0.3520,  
0.3857

 65.6059, 0.3865,  
0.4410


 143.3505, 0.3715,  
0.4160

 47.9525, 0.3931,  
0.4527


 178.8082, 0.3677,  
0.4099

 33.7893, 0.4007,  
0.4666


219.6780, 0.3643,  
0.4045

 22.7318, 0.4092,  
0.4836

266.3443, 0.3613,  
0.3998

 14.3956, 0.4184,  
0.5042

319.1915, 0.3586,  
0.3957

 8.3963, 0.4275,  
0.5296

378.6039, 0.3562,

 4.3496, 0.4365,

0.3920

0.5635

444.9660, 0.3540,  
0.3887

■ 1.8710, 0.4195,  
0.5805

■ 0.5308, 0.2944,  
0.7056

■ 87.1337, 0.3808,  
0.4313

■ 87.1337, 0.3808,  
0.4313

■ 85.5238, 0.3950,  
0.4516

■ 88.9290, 0.3655,  
0.4088

■ 84.0758, 0.4073,  
0.4687

■ 90.9083, 0.3496,  
0.3852

■ 82.7806, 0.4173,  
0.4819

■ 93.0852, 0.3338,  
0.3612

■ 81.6230, 0.4246,  
0.4906


■ 95.4687, 0.3184,  
0.3377

 80.5846, 0.4292,  
0.4950

 97.3057, 0.3103,  
0.3261

 79.9858, 0.4310,  
0.4960

 98.3047, 0.3103,  
0.3276

 99.2420, 0.3102,  
0.3290

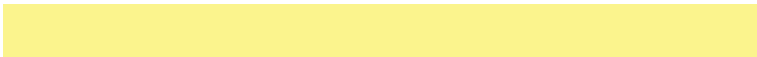
# Harmonies

## Analogous

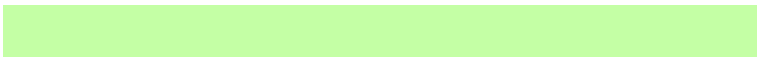
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1337, 0.4194, 0.4020



87.1337, 0.3808, 0.4313



87.1337, 0.3259, 0.4314

# Triad

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



87.1337, 0.3808, 0.4313



87.1337, 0.2091, 0.2817



87.1337, 0.3503, 0.2744

# Complementary

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



87.1337, 0.3808, 0.4313



33.7858, 0.2313, 0.2006

# 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.



87.1337, 0.2907, 0.2471



87.1337, 0.3808, 0.4313



87.1337, 0.2141, 0.2480

# Square

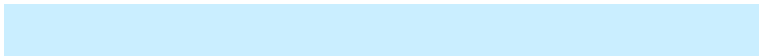
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1337, 0.3808, 0.4313



87.1337, 0.2285, 0.3355



87.1337, 0.2423, 0.2372

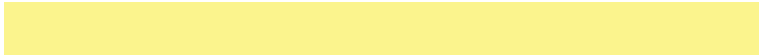


87.1337, 0.4028, 0.3139

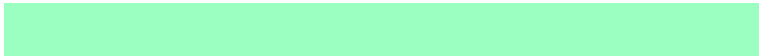


# Rectangle

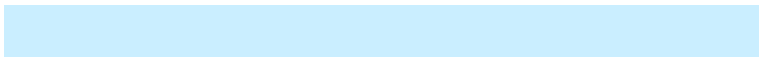
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1337, 0.3808, 0.4313



87.1337, 0.2879, 0.4103



87.1337, 0.2423, 0.2372



87.1337, 0.3301, 0.2637

# Sweetspot

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



87.1377, 0.3808, 0.4313



96.7178, 0.3325, 0.3593



41.6993, 0.4215, 0.3215



20.5902, 0.3360, 0.3646



0.0000, 0.0000, 0.0000

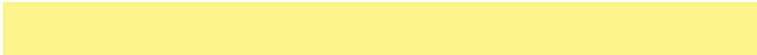


21.4041, 0.3127, 0.3290



# Same Dimension

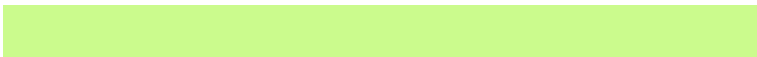
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1377, 0.3808, 0.4313



88.8087, 0.3939, 0.4501



83.6332, 0.3448, 0.4506



19.9920, 0.3270, 0.3510



42.1405, 0.4308, 0.4961



3.9581, 0.4293, 0.4973



# Inverse Universe

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



33.7858, 0.2313, 0.2006



26.7407, 0.2119, 0.1689



36.7852, 0.2651, 0.2039



16.8188, 0.2979, 0.3060



3.9220, 0.1511, 0.0638

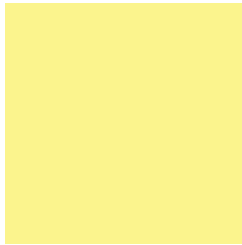


0.4230, 0.1536, 0.0730



# Previews

## White Background



This preview shows how the Yxy color 87.1337, 0.3808, 0.4313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

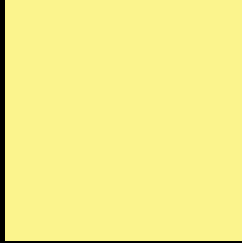
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.1337, 0.3808, 0.4313 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 87.1337, 0.3808, 0.4313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.1337, 0.3808, 0.4313.

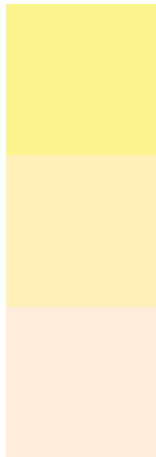


This preview shows how white text looks on a background with the Yxy color 87.1337, 0.3808, 0.4313.

# 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

87.1337, 0.3808, 0.4313

### Protanopia

87.0409, 0.3587, 0.3852

### Deuteranopia

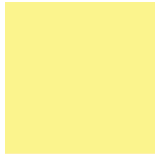
86.9428, 0.3364, 0.3469



## Tritanopia

86.7595, 0.3193, 0.3173

# Trichromacy



## Original Color

87.1337, 0.3808, 0.4313



## Protanomaly

86.8086, 0.3679, 0.4022



## Deuteranomaly

87.1526, 0.3534, 0.3783



## Tritanomaly

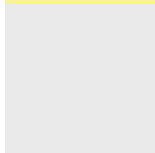
86.7740, 0.3428, 0.3591

# Monochromacy



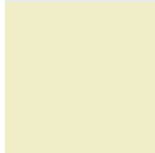
## Original Color

87.1337, 0.3808, 0.4313



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

83.8445, 0.3381, 0.3685

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.1337, 0.3808, 0.4313 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(251, 244, 141)` looks like.

```
.text, #text, p{  
    color:rgb(251, 244, 141)  
}
```

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(251, 244, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 244, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 87.1337, 0.3808, 0.4313 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(251, 244, 141) }
```

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

```
.border{ border-color:rgb(251, 244, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 244, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 244, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 244, 141);  
box-shadow:4px 4px 4px 4px rgb(251, 244,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.1337, 0.3808, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 244, 141) }
```

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

```
.background{ background-color: rgb(251,  
244, 141) }
```

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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