

# Converting Colors

$Yxy(88.0031, 0.3381, 0.3789)$

Have a look what the booklet for  
Yxy(88.0031, 0.3381, 0.3789)  
contains.

<b>Yxy(87.6868, 0.3381, 0.3786)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(87.6868, 0.3381, 0.3786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFF5C5
RGB	239, 245, 197
RGB Percent	94%, 96%, 77%
CMY	0.0630, 0.0391, 0.2275
CMYK	0.02, 0.00, 0.20, 0.04
HSL	68°, 71%, 87%
HSV	68°, 20%, 96%
XYZ	78.3067, 87.6868, 65.6146
YIQ	237.7340, 11.8320, -16.2000

# Conversions

## Conversions Part 2

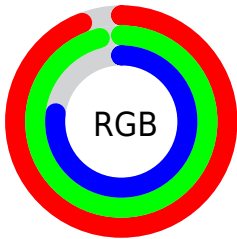
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 245, 203
Decimal	15726021
CIELab	95.03, -9.84, 22.50
CIELCh	95, 24.557, 113.628
Yxy	87.6868, 0.3381, 0.3786
Android (android.graphics.Color)	4293916101 (0xFFEFF5C5)
YUV	237.7340, -20.0819, 1.1103
Hunter-Lab	93.6412, -14.6031, 24.0043

# Details

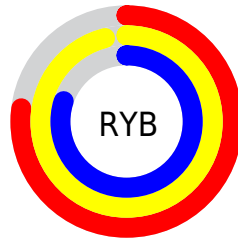
The Yxy color **87.6868, 0.3381, 0.3786** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.2327, 0.2843, 0.2756**, and the grayscale version is **85.4286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **48.4456, 0.3436, 0.3900** is the 20% darker color. If you saturate the color by 10%, you get **86.1200, 0.3510, 0.4048**, and if you desaturate by 10%, it is **89.4532, 0.3250, 0.3528**.

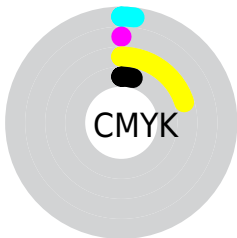
# Distribution



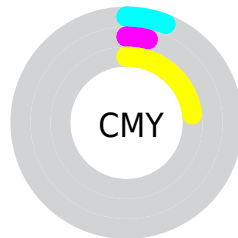
- Red (94%)
- Green (96%)
- Blue (77%)



- Red (77%)
- Yellow (96%)
- Blue (80%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)



- Cyan (6%)
- Magenta (4%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6868, 0.3381, 0.3786 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 87.6868, 0.3381, 0.3786 by changing the saturation by 10% instead.



87.6868, 0.3381,  
0.3786

87.6868, 0.3381,  
0.3786

520.4770, 0.3270,  
0.3560

66.0637, 0.3405,  
0.3836

144.1210, 0.3344,  
0.3709

48.3241, 0.3433,  
0.3898

179.7010, 0.3329,  
0.3678

34.0836, 0.3468,  
0.3976

220.7020, 0.3316,  
0.3652

22.9579, 0.3512,  
0.4075

267.5085, 0.3305,  
0.3629

14.5624, 0.3567,  
0.4207

320.5048, 0.3294,  
0.3609

8.5128, 0.3638,  
0.4391

380.0754, 0.3285,

4.4248, 0.3730,

0.3591

0.4660

446.6047, 0.3277,  
0.3575

■ 1.9139, 0.4019,  
0.5318

■ 0.5567, 0.3416,  
0.6584

■ 87.6868, 0.3381,  
0.3786

■ 87.6868, 0.3381,  
0.3786

■ 86.1200, 0.3510,  
0.4048

■ 89.4532, 0.3250,  
0.3528

■ 84.7324, 0.3633,  
0.4305


■ 91.4159, 0.3122,  
0.3280


■ 83.5183, 0.3744,  
0.4547


■ 92.5477, 0.3089,  
0.3193

■ 82.4671, 0.3837,  
0.4764


■ 93.1225, 0.3109,  
0.3194


 81.5672, 0.3908,  
0.4946


 93.7069, 0.3128,  
0.3195

 80.8052, 0.3953,  
0.5084

 93.8025, 0.3132,  
0.3195

 80.1653, 0.3971,  
0.5177

 79.6220, 0.3968,  
0.5230

 79.6014, 0.3967,  
0.5232

# Harmonies

## Analogous

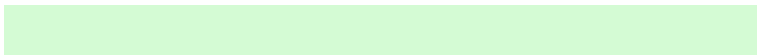
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6868, 0.3594, 0.3717



87.6868, 0.3381, 0.3786



87.6868, 0.3106, 0.3709

# Triad

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



87.6868, 0.3381, 0.3786



87.6868, 0.2603, 0.3004



87.6868, 0.3406, 0.3087

# Complementary

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



87.6868, 0.3381, 0.3786



59.2327, 0.2843, 0.2756

# Split Complementary

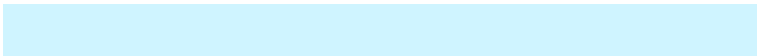
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6868, 0.3129, 0.2916



87.6868, 0.3381, 0.3786



87.6868, 0.2673, 0.2861

# Square

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



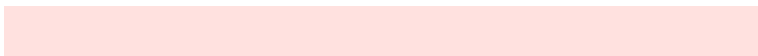
87.6868, 0.3381, 0.3786



87.6868, 0.2664, 0.3238



87.6868, 0.2862, 0.2833

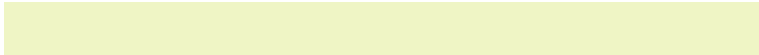


87.6868, 0.3612, 0.3311

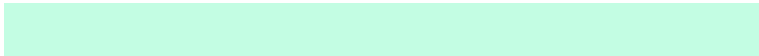


# Rectangle

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



87.6868, 0.3381, 0.3786



87.6868, 0.2926, 0.3582



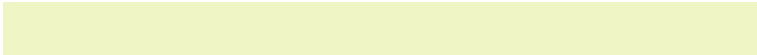
87.6868, 0.2862, 0.2833



87.6868, 0.3318, 0.3022

# Sweetspot

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



87.6907, 0.3381, 0.3786



98.6865, 0.3204, 0.3438



65.9695, 0.3505, 0.3351



21.0934, 0.3212, 0.3454



0.0000, 0.0000, 0.0000

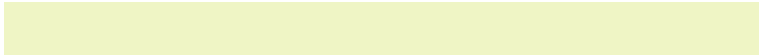


21.4041, 0.3127, 0.3290

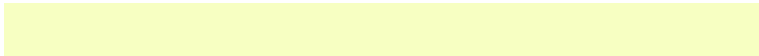


# Same Dimension

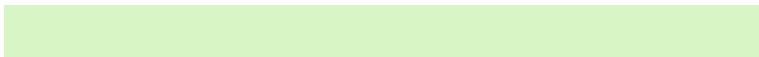
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6907, 0.3381, 0.3786



95.2205, 0.3439, 0.3902



83.8618, 0.3222, 0.3812



19.2005, 0.3249, 0.3525



42.9139, 0.3971, 0.5229



3.8010, 0.4001, 0.5206



# Inverse Universe

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



59.2327, 0.2843, 0.2756



58.2125, 0.2768, 0.2618



62.7909, 0.3013, 0.2782



16.0276, 0.2999, 0.3047



3.7416, 0.1547, 0.0626

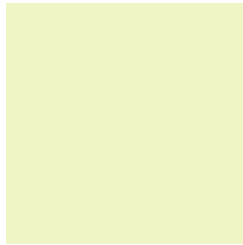


0.3603, 0.1634, 0.0674



# Previews

## White Background



This preview shows how the Yxy color 87.6868, 0.3381, 0.3786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

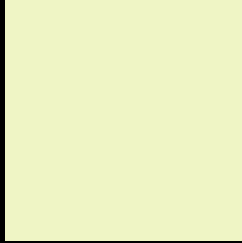
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.6868, 0.3381, 0.3786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

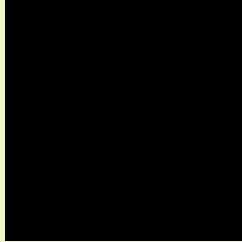
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

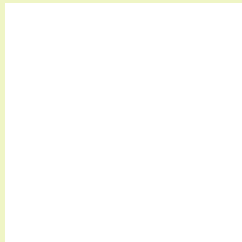
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.6868, 0.3381, 0.3786**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.6868, 0.3381, 0.3786.

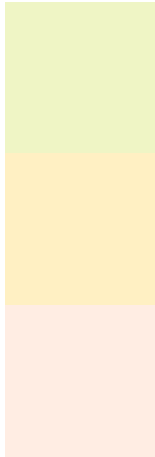


This preview shows how white text looks on a background with the Yxy color 87.6868, 0.3381, 0.3786.

# 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

87.6868, 0.3381, 0.3786

### Protanopia

87.5203, 0.3516, 0.3741

### Deuteranopia

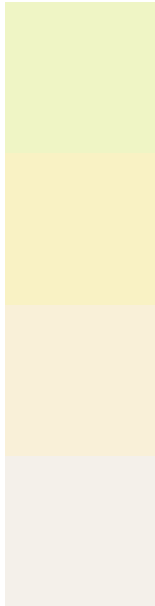
87.3744, 0.3312, 0.3389



## Tritanopia

87.5625, 0.3083, 0.3114

# Trichromacy



**Original Color**

87.6868, 0.3381, 0.3786

**Protanomaly**

87.6295, 0.3463, 0.3756

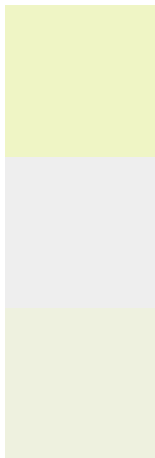
**Deuteranomaly**

87.4178, 0.3338, 0.3532

**Tritanomaly**

87.4938, 0.3190, 0.3350

# Monochromacy



**Original Color**

87.6868, 0.3381, 0.3786

**Achromatopsia**

85.4993, 0.3127, 0.3290

**Achromatomaly**

86.4154, 0.3218, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.6868, 0.3381, 0.3786 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(239, 245, 197)` looks like.

```
.text, #text, p{  
    color:rgb(239, 245, 197)  
}
```

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(239, 245, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 245, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 87.6868, 0.3381, 0.3786 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(239, 245, 197) }
```

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

```
.border{ border-color:rgb(239, 245, 197) }
```

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

Here you see how a box with a 4 pixel rgb(239, 245, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 245, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 245, 197);  
box-shadow:4px 4px 4px 4px rgb(239, 245,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.6868, 0.3381, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 245, 197) }
```

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

```
.background{ background-color: rgb(239,  
245, 197) }
```

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