

# Converting Colors

$Yxy(86.9389, 0.3858, 0.4500)$

Have a look what the booklet for  
Yxy(86.9389, 0.3858, 0.4500)  
contains.

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# Color

**Yxy(86.9344, 0.3861, 0.4503)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F67B
RGB	246, 246, 123
RGB Percent	96%, 96%, 48%
CMY	0.0352, 0.0353, 0.5177
CMYK	0.00, 0.00, 0.50, 0.04
HSL	60°, 87%, 72%
HSV	60°, 50%, 96%
XYZ	74.5400, 86.9344, 31.5844
YIQ	231.9780, 39.4830, -38.2530

# Conversions

## Conversions Part 2

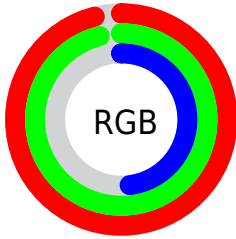
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 246, 123
Decimal	16184955
CIE Lab	94.71, -16.11, 58.49
CIE LCh	95, 60.664, 105.399
Yxy	86.9344, 0.3861, 0.4503
Android (android.graphics.Color)	4294375035 (0xFFFF6F67B)
YUV	231.9780, -53.7262, 12.2973
Hunter-Lab	93.2386, -20.4650, 45.1826

# Details

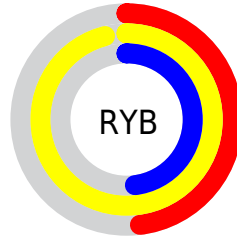
The Yxy color **86.9344, 0.3861, 0.4503** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **25.0301, 0.2165, 0.1700**, and the grayscale version is **81.0692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **47.8214, 0.3976, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **86.3963, 0.3977, 0.4694**, and if you desaturate by 10%, it is **87.6352, 0.3727, 0.4282**.

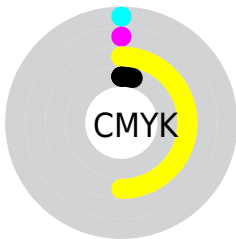
# Distribution



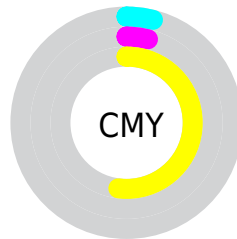
- Red (96%)
- Green (96%)
- Blue (48%)



- Red (48%)
- Yellow (96%)
- Blue (48%)



- Cyan (0%)
- Magenta (0%)
- Yellow (50%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9344, 0.3861, 0.4503 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 86.9344, 0.3861, 0.4503 by changing the saturation by 10% instead.




 86.9344, 0.3861,  
0.4503

 86.9344, 0.3861,  
0.4503


518.0073, 0.3560,  
0.3963


 65.4409, 0.3917,  
0.4617

 143.0727, 0.3766,  
0.4323

 47.8187, 0.3980,  
0.4751


 178.4863, 0.3727,  
0.4250

 33.6833, 0.4048,  
0.4910


 219.3088, 0.3691,  
0.4187

 22.6504, 0.4118,  
0.5100

265.9244, 0.3659,  
0.4132

 14.3356, 0.4180,  
0.5322

318.7177, 0.3631,  
0.4082

 8.3545, 0.4276,  
0.5660

378.0730, 0.3605,

 4.3226, 0.4159,

0.4038

0.5841

444.3748, 0.3582,  
0.3999

■ 1.8556, 0.3917,  
0.6083

■ 0.5215, 0.1641,  
0.8359

■ 86.9344, 0.3861,  
0.4503

■ 86.9344, 0.3861,  
0.4503

■ 86.3963, 0.3977,  
0.4694

■ 87.6352, 0.3727,  
0.4282

■ 85.9972, 0.4069,  
0.4847


■ 88.4975, 0.3581,  
0.4041


■ 85.7275, 0.4135,  
0.4957

■ 89.5347, 0.3429,  
0.3790


■ 85.5711, 0.4175,  
0.5023

■ 90.7560, 0.3277,  
0.3537

 85.5013, 0.4193,  
0.5052

 92.1695, 0.3127,  
0.3290

 92.7376, 0.3074,  
0.3203

 92.7391, 0.3074,  
0.3203

 92.7406, 0.3074,  
0.3203

 92.7420, 0.3074,  
0.3203

# Harmonies

## Analogous

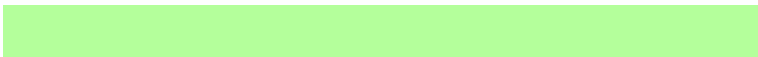
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9344, 0.4342, 0.4156



86.9344, 0.3861, 0.4503



86.9344, 0.3213, 0.4493

# Triad

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



86.9344, 0.3861, 0.4503



86.9344, 0.1927, 0.2684



86.9344, 0.3620, 0.2689

# Complementary

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



86.9344, 0.3861, 0.4503



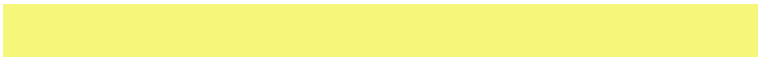
25.0301, 0.2165, 0.1700

# 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.



86.9344, 0.2917, 0.2367



86.9344, 0.3861, 0.4503



86.9344, 0.2006, 0.2328

# Square

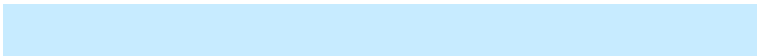
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9344, 0.3861, 0.4503



86.9344, 0.2119, 0.3300



86.9344, 0.2345, 0.2233



86.9344, 0.4228, 0.3144



# Rectangle

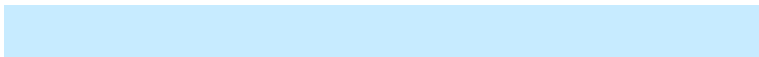
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9344, 0.3861, 0.4503



86.9344, 0.2776, 0.4221



86.9344, 0.2345, 0.2233



86.9344, 0.3383, 0.2564

# Sweetspot

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



86.9384, 0.3861, 0.4503



97.7743, 0.3353, 0.3663



35.2395, 0.4532, 0.3273



20.8688, 0.3385, 0.3717



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.



86.9384, 0.3861, 0.4503



93.7296, 0.3978, 0.4696



77.8585, 0.3438, 0.4703



19.3133, 0.3269, 0.3524



45.6312, 0.4193, 0.5052



4.0106, 0.4193, 0.5052



# Inverse Universe

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



25.0301, 0.2165, 0.1700



19.5505, 0.1954, 0.1351



30.8171, 0.2616, 0.1870



15.9270, 0.2979, 0.3045



3.5520, 0.1500, 0.0600

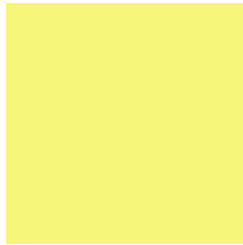


0.3123, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 86.9344, 0.3861, 0.4503 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

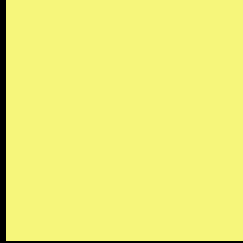
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.9344, 0.3861, 0.4503 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

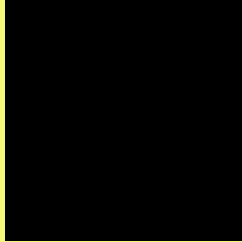
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.9344, 0.3861, 0.4503**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9344, 0.3861, 0.4503.

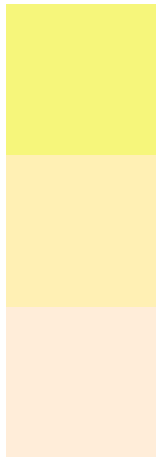


This preview shows how white text looks on a background with the Yxy color 86.9344, 0.3861, 0.4503.

# 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

86.9344, 0.3861, 0.4503

### Protanopia

86.8755, 0.3613, 0.3892

### Deuteranopia

86.8381, 0.3377, 0.3489



## Tritanopia

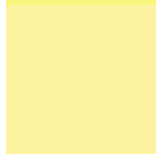
86.8829, 0.3180, 0.3154

# Trichromacy



## Original Color

86.9344, 0.3861, 0.4503



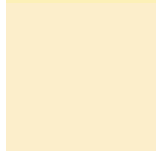
## Protanomaly

86.7029, 0.3717, 0.4123



## Deuteranomaly

86.4345, 0.3572, 0.3866



## Tritanomaly

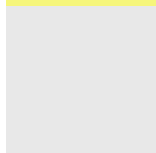
86.1563, 0.3446, 0.3643

# Monochromacy



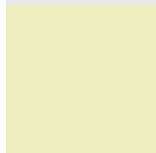
## Original Color

86.9344, 0.3861, 0.4503



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.3787, 0.3413, 0.3763

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9344, 0.3861, 0.4503 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(246, 246, 123)` looks like.

```
.text, #text, p{  
    color:rgb(246, 246, 123)  
}
```

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(246, 246, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 246, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9344, 0.3861, 0.4503 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(246, 246, 123) }
```

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

```
.border{ border-color:rgb(246, 246, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 246, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 246, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 246, 123);  
box-shadow:4px 4px 4px 4px rgb(246, 246,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9344, 0.3861, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 246, 123) }
```

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

```
.background{ background-color: rgb(246,  
246, 123) }
```

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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