

# Converting Colors

$Yxy(86.3824, 0.3773, 0.4548)$

Have a look what the booklet for  
Yxy(86.3824, 0.3773, 0.4548)  
contains.

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# Color

**Yxy(86.4229, 0.3775, 0.4544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF87C
RGB	236, 248, 124
RGB Percent	93%, 97%, 49%
CMY	0.0745, 0.0274, 0.5137
CMYK	0.05, 0.00, 0.50, 0.03
HSL	66°, 90%, 73%
HSV	66°, 50%, 97%
XYZ	71.7972, 86.4229, 31.9711
YIQ	230.2760, 32.6520, -41.1080

# Conversions

## Conversions Part 2

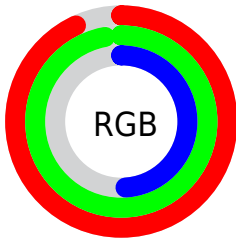
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 248, 136
Decimal	15530108
CIELab	94.49, -20.90, 57.57
CIELCh	94, 61.248, 109.949
Yxy	86.4229, 0.3775, 0.4544
Android (android.graphics.Color)	4293720188 (0xFFEFCF87C)
YUV	230.2760, -52.3941, 5.0199
Hunter-Lab	92.9639, -24.8291, 44.6844

# Details

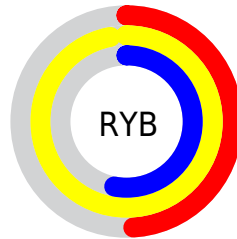
The Yxy color **86.4229, 0.3775, 0.4544** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.4347, 0.2245, 0.1729**, and the grayscale version is **79.7262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **47.6064, 0.3875, 0.4814** is the 20% darker color. If you saturate the color by 10%, you get **85.4676, 0.3873, 0.4754**, and if you desaturate by 10%, it is **87.5493, 0.3659, 0.4307**.

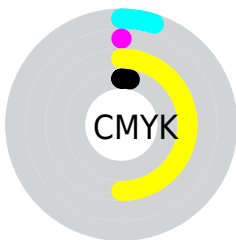
# Distribution



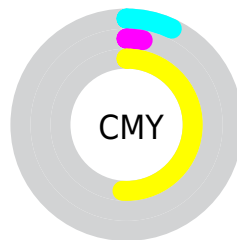
- Red (93%)
- Green (97%)
- Blue (49%)



- Red (49%)
- Yellow (97%)
- Blue (53%)



- Cyan (5%)
- Magenta (0%)
- Yellow (50%)
- Black (3%)




- Cyan (7%)
- Magenta (3%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4229, 0.3775, 0.4544 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 86.4229, 0.3775, 0.4544 by changing the saturation by 10% instead.



 86.4229, 0.3775,  
0.4544

 86.4229, 0.3775,  
0.4544


516.3246, 0.3514,  
0.3978

 65.0177, 0.3823,  
0.4665


 142.3595, 0.3694,  
0.4353

 47.4755, 0.3875,  
0.4809


 177.6597, 0.3659,  
0.4278

 33.4117, 0.3931,  
0.4983


 218.3604, 0.3628,  
0.4211

 22.4420, 0.3985,  
0.5191

264.8459, 0.3601,  
0.4153

 14.1820, 0.4026,  
0.5442

317.5007, 0.3576,  
0.4102

 8.2474, 0.4086,  
0.5820


376.7092, 0.3553,


 4.2537, 0.3933,


0.4056


0.6067

442.8557, 0.3532,  
0.4015

 1.8164, 0.3612,  
0.6388

 0.4974, 0.0000,  
1.0000

 86.4229, 0.3775,  
0.4544


 86.4229, 0.3775,  
0.4544

 85.4676, 0.3873,  
0.4754

 87.5493, 0.3659,  
0.4307

 84.6597, 0.3948,  
0.4927


 88.8460, 0.3531,  
0.4054

 83.9891, 0.3998,  
0.5058


 90.3266, 0.3396,  
0.3795


 83.4394, 0.4020,  
0.5143


 92.0004, 0.3260,  
0.3538


 82.9835, 0.4021,  
0.5189

 93.8758, 0.3127,  
0.3290

 82.9832, 0.4021,  
0.5189

 94.7591, 0.3101,  
0.3223

 95.2068, 0.3116,  
0.3223

 95.6191, 0.3130,  
0.3223

# Harmonies

## Analogous

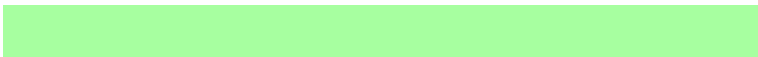
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4229, 0.4298, 0.4231



86.4229, 0.3775, 0.4544



86.4229, 0.3110, 0.4465

# Triad

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



86.4229, 0.3775, 0.4544



86.4229, 0.1910, 0.2604



86.4229, 0.3732, 0.2746

# Complementary

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



86.4229, 0.3775, 0.4544



26.4347, 0.2245, 0.1729

# 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.



86.4229, 0.3018, 0.2396



86.4229, 0.3775, 0.4544



86.4229, 0.2031, 0.2287

# Square

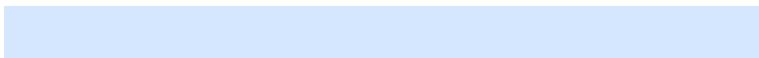
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4229, 0.3775, 0.4544



86.4229, 0.2061, 0.3191



86.4229, 0.2410, 0.2229



86.4229, 0.4308, 0.3219



# Rectangle

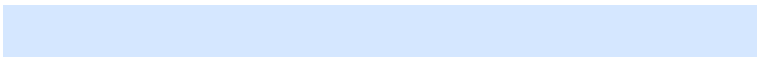
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4229, 0.3775, 0.4544



86.4229, 0.2677, 0.4144



86.4229, 0.2410, 0.2229



86.4229, 0.3496, 0.2612

# Sweetspot

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



86.4268, 0.3775, 0.4544



97.0807, 0.3329, 0.3666



38.5610, 0.4494, 0.3403



20.6997, 0.3357, 0.3721



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.



86.4268, 0.3775, 0.4544



91.0356, 0.3874, 0.4756



77.7878, 0.3356, 0.4743



20.1003, 0.3254, 0.3525



44.8590, 0.4024, 0.5187



4.1788, 0.4045, 0.5170



# Inverse Universe

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



26.4347, 0.2245, 0.1729



20.4924, 0.2040, 0.1389



32.9800, 0.2722, 0.1910



16.7234, 0.2994, 0.3046



3.7924, 0.1532, 0.0618

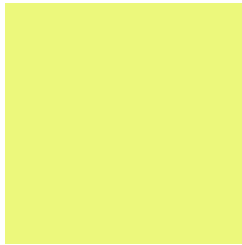


0.3773, 0.1599, 0.0654



# Previews

## White Background



This preview shows how the Yxy color 86.4229, 0.3775, 0.4544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

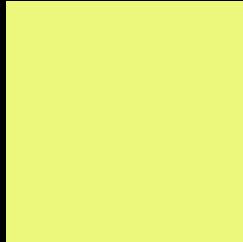
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4229, 0.3775, 0.4544 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

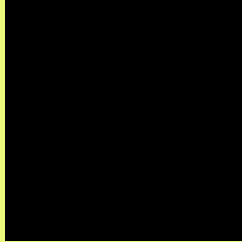
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.4229, 0.3775, 0.4544**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4229, 0.3775, 0.4544.

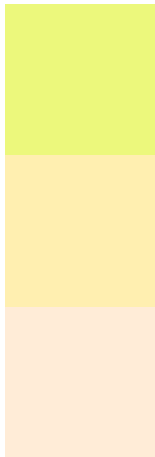


This preview shows how white text looks on a background with the Yxy color 86.4229, 0.3775, 0.4544.

# 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

86.4229, 0.3775, 0.4544

### Protanopia

86.1276, 0.3641, 0.3923

### Deuteranopia

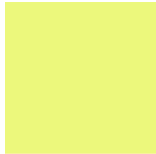
86.1572, 0.3392, 0.3500



## Tritanopia

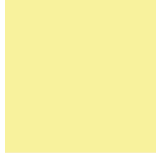
86.1979, 0.3122, 0.3114

# Trichromacy



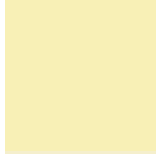
## Original Color

86.4229, 0.3775, 0.4544



## Protanomaly

85.8950, 0.3700, 0.4152



## Deuteranomaly

85.6540, 0.3550, 0.3882



## Tritanomaly

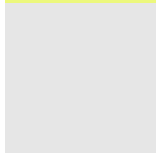
85.5533, 0.3382, 0.3638

# Monochromacy



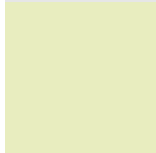
## Original Color

86.4229, 0.3775, 0.4544



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.4858, 0.3384, 0.3779

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4229, 0.3775, 0.4544 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(236, 248, 124)` looks like.

```
.text, #text, p{  
    color:rgb(236, 248, 124)  
}
```

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(236, 248, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 248, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4229, 0.3775, 0.4544 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(236, 248, 124) }
```

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

```
.border{ border-color:rgb(236, 248, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 248, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 248, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 248, 124);  
box-shadow:4px 4px 4px 4px rgb(236, 248,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4229, 0.3775, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 248, 124) }
```

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

```
.background{ background-color: rgb(236,  
248, 124) }
```

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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