

# Converting Colors

$Yxy(88.4432, 0.3737, 0.4461)$

Have a look what the booklet for  
Yxy(88.4432, 0.3737, 0.4461)  
contains.

<b>Yxy(88.4432, 0.3737, 0.4461)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(88.4432, 0.3737, 0.4461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFA86
RGB	239, 250, 134
RGB Percent	94%, 98%, 53%
CMY	0.0627, 0.0196, 0.4744
CMYK	0.04, 0.00, 0.46, 0.02
HSL	66°, 92%, 75%
HSV	66°, 46%, 98%
XYZ	74.0893, 88.4432, 35.7262
YIQ	233.4870, 30.6800, -38.4080

# Conversions

## Conversions Part 2

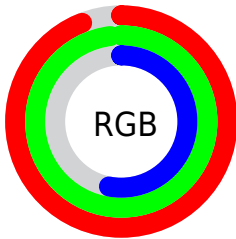
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 250, 145
Decimal	15727238
CIELab	95.35, -19.78, 54.03
CIELCh	95, 57.541, 110.111
Yxy	88.4432, 0.3737, 0.4461
Android (android.graphics.Color)	4293917318 (0xFFEFA86)
YUV	233.4870, -49.0471, 4.8349
Hunter-Lab	94.0442, -23.9528, 43.3075

# Details

The Yxy color **88.4432, 0.3737, 0.4461** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.9782, 0.2317, 0.1854**, and the grayscale version is **82.2364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **49.0014, 0.3831, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **87.4203, 0.3842, 0.4681**, and if you desaturate by 10%, it is **89.6444, 0.3616, 0.4217**.

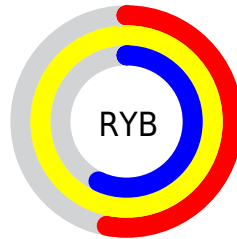
# Distribution



Red (94%)

Green (98%)

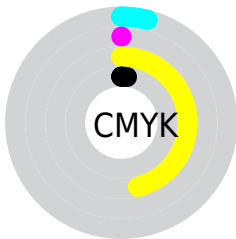
Blue (53%)



Red (53%)

Yellow (98%)

Blue (57%)

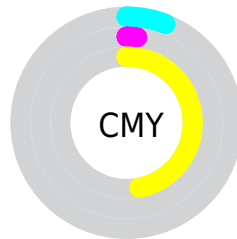


Cyan (4%)

Magenta (0%)

Yellow (46%)

Black (2%)



Cyan (6%)

Magenta (2%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4432, 0.3737, 0.4461 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 88.4432, 0.3737, 0.4461 by changing the saturation by 10% instead.




 88.4432, 0.3737,  
0.4461


 88.4432, 0.3737,  
0.4461


522.9535, 0.3489,  
0.3933


 66.6902, 0.3784,  
0.4575


 145.1740, 0.3659,  
0.4283

 48.8329, 0.3836,  
0.4710


 180.9206, 0.3626,  
0.4212

 34.4869, 0.3892,  
0.4875


 222.1005, 0.3597,  
0.4150

 23.2679, 0.3951,  
0.5075

269.0981, 0.3570,  
0.4096

 14.7915, 0.4003,  
0.5319

322.2978, 0.3547,  
0.4048

 8.6732, 0.4047,  
0.5639

382.0841, 0.3526,

 4.5286, 0.4004,

0.4006

0.5996

448.8411, 0.3506,  
0.3968

■ 1.9734, 0.3715,  
0.6285

■ 0.5920, 0.1186,  
0.8814

■ 88.4432, 0.3737,  
0.4461

■ 88.4432, 0.3737,  
0.4461

■ 87.4203, 0.3842,  
0.4681

■ 89.6444, 0.3616,  
0.4217

■ 86.5519, 0.3927,  
0.4869


■ 91.0225, 0.3484,  
0.3961

■ 85.8286, 0.3986,  
0.5014


■ 92.5914, 0.3348,  
0.3702


■ 85.2346, 0.4018,  
0.5115

■ 94.3600, 0.3212,  
0.3447

 84.7506, 0.4026,  
0.5172

 96.0752, 0.3103,  
0.3242

 84.5921, 0.4025,  
0.5186

 96.5176, 0.3118,  
0.3242

 96.8526, 0.3129,  
0.3242

# Harmonies

## Analogous

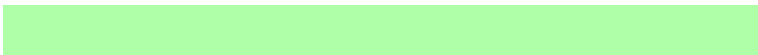
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4432, 0.4225, 0.4182



88.4432, 0.3737, 0.4461



88.4432, 0.3113, 0.4375

# Triad

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



88.4432, 0.3737, 0.4461



88.4432, 0.1981, 0.2650



88.4432, 0.3696, 0.2782

# Complementary

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



88.4432, 0.3737, 0.4461



29.9782, 0.2317, 0.1854

# 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.



88.4432, 0.3031, 0.2449



88.4432, 0.3737, 0.4461



88.4432, 0.2097, 0.2348

# Square

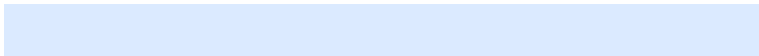
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.4432, 0.3737, 0.4461



88.4432, 0.2125, 0.3199



88.4432, 0.2458, 0.2291



88.4432, 0.4230, 0.3231

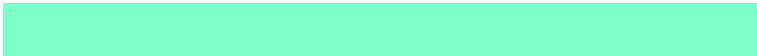


# Rectangle

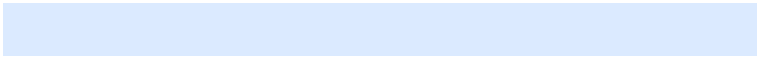
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.4432, 0.3737, 0.4461



88.4432, 0.2707, 0.4078



88.4432, 0.2458, 0.2291



88.4432, 0.3477, 0.2655

# Sweetspot

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



88.4472, 0.3737, 0.4461



97.2743, 0.3316, 0.3641



41.8971, 0.4349, 0.3396



20.7388, 0.3345, 0.3696



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

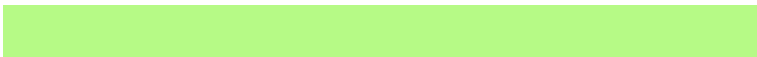
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4472, 0.3737, 0.4461



91.4777, 0.3839, 0.4675



80.0815, 0.3346, 0.4631



20.1023, 0.3254, 0.3525



44.9039, 0.4028, 0.5184



4.1825, 0.4049, 0.5167



# Inverse Universe

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



29.9782, 0.2317, 0.1854



23.2677, 0.2118, 0.1520



36.4690, 0.2760, 0.2011



16.7216, 0.2994, 0.3046



3.7886, 0.1531, 0.0617

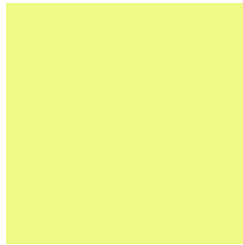


0.3765, 0.1597, 0.0653



# Previews

## White Background



This preview shows how the Yxy color 88.4432, 0.3737, 0.4461 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

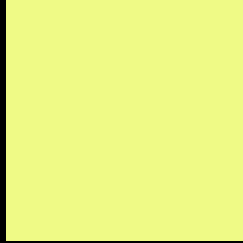
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4432, 0.3737, 0.4461 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

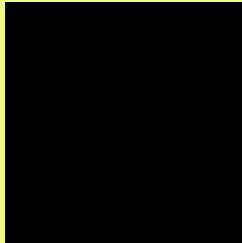
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.4432, 0.3737, 0.4461**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4432, 0.3737, 0.4461.

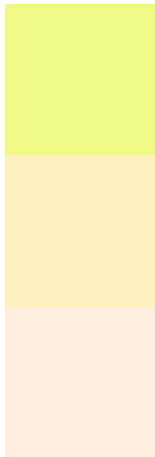


This preview shows how white text looks on a background with the Yxy color 88.4432, 0.3737, 0.4461.

# 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

88.4432, 0.3737, 0.4461

### Protanopia

87.9322, 0.3539, 0.3791

### Deuteranopia

88.2669, 0.3342, 0.3459



## Tritanopia

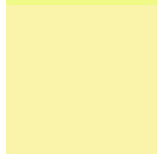
88.0936, 0.3123, 0.3106

# Trichromacy



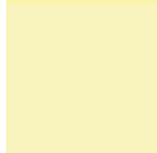
## Original Color

88.4432, 0.3737, 0.4461



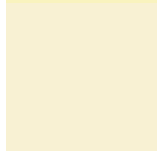
## Protanomaly

87.7434, 0.3622, 0.4039



## Deuteranomaly

87.9586, 0.3499, 0.3827



## Tritanomaly

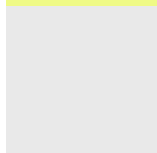
87.5702, 0.3362, 0.3593

# Monochromacy



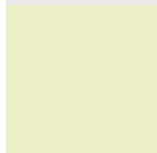
## Original Color

88.4432, 0.3737, 0.4461



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.4264, 0.3363, 0.3731

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4432, 0.3737, 0.4461 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, 250, 134)` looks like.

```
.text, #text, p{  
    color:rgb(239, 250, 134)  
}
```

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, 250, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 250, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4432, 0.3737, 0.4461 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, 250, 134) }
```

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

```
.border{ border-color:rgb(239, 250, 134) }
```

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

Here you see how a box with a 4 pixel rgb(239, 250, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 250, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 250, 134);  
box-shadow:4px 4px 4px 4px rgb(239, 250,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4432, 0.3737, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 250, 134) }
```

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

```
.background{ background-color: rgb(239,  
250, 134) }
```

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