

# Converting Colors

$Yxy(83.4702, 0.3894, 0.4741)$

Have a look what the booklet for  
Yxy(83.4702, 0.3894, 0.4741)  
contains.

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**Color**

**Yxy(83.5103, 0.3889, 0.4744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9F562
RGB	233, 245, 98
RGB Percent	91%, 96%, 38%
CMY	0.0863, 0.0392, 0.6157
CMYK	0.05, 0.00, 0.60, 0.04
HSL	65°, 88%, 67%
HSV	65°, 60%, 96%
XYZ	68.4594, 83.5103, 24.0638
YIQ	224.6540, 40.0350, -48.2610

# Conversions

## Conversions Part 2

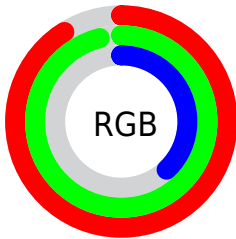
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	98, 245, 110
Decimal	15332706
CIE Lab	93.24, -22.65, 67.42
CIE LCh	93, 71.125, 108.573
Yxy	83.5103, 0.3889, 0.4744
Android (android.graphics.Color)	4293522786 (0xFFE9F562)
YUV	224.6540, -62.4404, 7.3194
Hunter-Lab	91.3840, -26.2004, 48.3562

# Details

The Yxy color **83.5103, 0.3889, 0.4744** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **18.6431, 0.2029, 0.1386**, and the grayscale version is **75.4700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1131, 0.3723, 0.4275**, and **45.5403, 0.3986, 0.5039** is the 20% darker color. If you saturate the color by 10%, you get **82.7849, 0.3967, 0.4914**, and if you desaturate by 10%, it is **84.3888, 0.3788, 0.4537**.

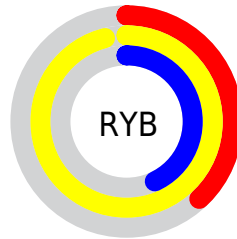
# Distribution



Red (91%)

Green (96%)

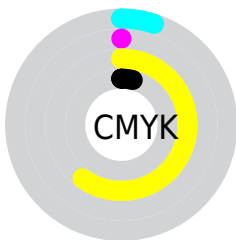
Blue (38%)



Red (38%)

Yellow (96%)

Blue (43%)

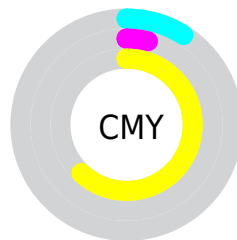


Cyan (5%)

Magenta (0%)

Yellow (60%)

Black (4%)



Cyan (9%)

Magenta (4%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5103, 0.3889, 0.4744 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 83.5103, 0.3889, 0.4744 by changing the saturation by 10% instead.





 83.5103, 0.3889,  
0.4744


 83.5103, 0.3889,  
0.4744

506.6856, 0.3591,  
0.4094


 62.6112, 0.3939,  
0.4879


 138.2900, 0.3800,  
0.4528


 45.5268, 0.3990,  
0.5037


 172.9393, 0.3761,  
0.4441

 31.8725, 0.4040,  
0.5222


 212.9409, 0.3725,  
0.4365

 21.2642, 0.4077,  
0.5435

 258.6790, 0.3693,  
0.4297

 13.3172, 0.4094,  
0.5693

310.5382, 0.3664,  
0.4238

 7.6474, 0.4039,  
0.5961

368.9028, 0.3638,

 3.8701, 0.3817,

0.4185

0.6183

434.1571, 0.3614,  
0.4137

■ 1.6012, 0.3441,  
0.6559

■ 0.3584, 0.0000,  
1.0000

■ 83.5103, 0.3889,  
0.4744

■ 83.5103, 0.3889,  
0.4744

■ 82.7849, 0.3967,  
0.4914

■ 84.3888, 0.3788,  
0.4537

■ 82.1877, 0.4019,  
0.5042


■ 85.4205, 0.3669,  
0.4303


■ 81.7065, 0.4045,  
0.5124


■ 86.6199, 0.3539,  
0.4052


■ 81.3149, 0.4048,  
0.5168

■ 87.9966, 0.3402,  
0.3794

 89.5593, 0.3263,  
0.3538

 91.3163, 0.3127,  
0.3290

 92.3058, 0.3081,  
0.3193

 92.6719, 0.3093,  
0.3193

 93.0418, 0.3106,  
0.3194

# Harmonies

## Analogous

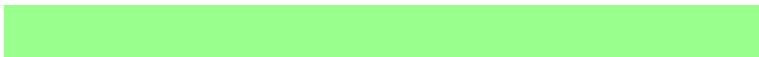
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5103, 0.4494, 0.4328



83.5103, 0.3889, 0.4744



83.5103, 0.3123, 0.4712

# Triad

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



83.5103, 0.3889, 0.4744



83.5103, 0.1735, 0.2504



83.5103, 0.3795, 0.2638

# Complementary

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



83.5103, 0.3889, 0.4744



18.6431, 0.2029, 0.1386

# 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.



83.5103, 0.2955, 0.2254



83.5103, 0.3889, 0.4744



83.5103, 0.1859, 0.2142

# Square

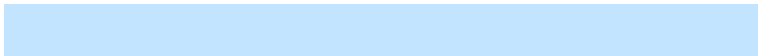
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5103, 0.3889, 0.4744



83.5103, 0.1911, 0.3196



83.5103, 0.2270, 0.2074



83.5103, 0.4492, 0.3163



# Rectangle

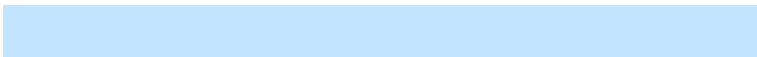
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5103, 0.3889, 0.4744



83.5103, 0.2622, 0.4346



83.5103, 0.2270, 0.2074



83.5103, 0.3513, 0.2491

# Sweetspot

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



83.5141, 0.3889, 0.4744



96.6839, 0.3374, 0.3743



30.9778, 0.4949, 0.3392



20.5933, 0.3415, 0.3818



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.



83.5141, 0.3889, 0.4744



90.5045, 0.3980, 0.4945



73.8417, 0.3387, 0.5033



19.2407, 0.3256, 0.3525



43.8318, 0.4051, 0.5166



3.8724, 0.4070, 0.5151



# Inverse Universe

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



18.6431, 0.2029, 0.1386



13.7752, 0.1807, 0.1028



25.1878, 0.2591, 0.1632



15.9914, 0.2992, 0.3046



3.6549, 0.1526, 0.0614

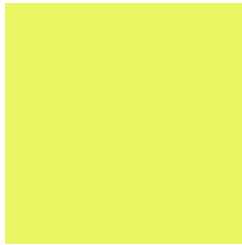


0.3431, 0.1587, 0.0648



# Previews

## White Background



This preview shows how the Yxy color 83.5103, 0.3889, 0.4744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

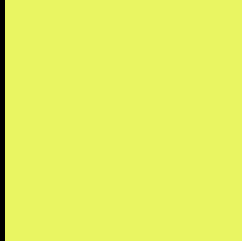
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5103, 0.3889, 0.4744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

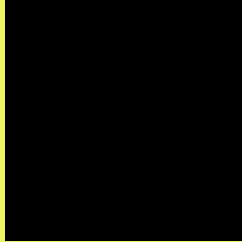
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.5103, 0.3889, 0.4744**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5103, 0.3889, 0.4744.

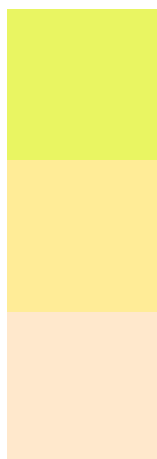


This preview shows how white text looks on a background with the Yxy color 83.5103, 0.3889, 0.4744.

# 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

83.5103, 0.3889, 0.4744

### Protanopia

83.4853, 0.3810, 0.4140

### Deuteranopia

83.3329, 0.3472, 0.3572



## Tritanopia

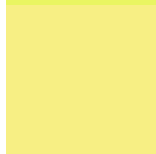
83.3274, 0.3136, 0.3112

# Trichromacy



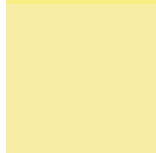
## Original Color

83.5103, 0.3889, 0.4744



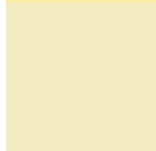
## Protanomaly

83.1731, 0.3851, 0.4364



## Deuteranomaly

83.0591, 0.3659, 0.4029



## Tritanomaly

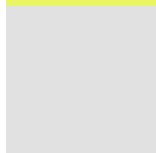
82.3216, 0.3453, 0.3726

# Monochromacy



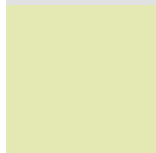
## Original Color

83.5103, 0.3889, 0.4744



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.4619, 0.3442, 0.3865

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5103, 0.3889, 0.4744 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(233, 245, 98)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 98)  
}
```

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(233, 245, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5103, 0.3889, 0.4744 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(233, 245, 98) }
```

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

```
.border{ border-color:rgb(233, 245, 98) }
```

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

Here you see how a box with a 4 pixel rgb(233, 245, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 98);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5103, 0.3889, 0.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 98) }
```

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

```
.background{ background-color: rgb(233,  
245, 98) }
```

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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