

# Converting Colors

$Yxy(84.3315, 0.3958, 0.4413)$

Have a look what the booklet for  
Yxy(84.3315, 0.3958, 0.4413)  
contains.

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# Color

**Yxy(84.4231, 0.3959, 0.4417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEF7B
RGB	255, 239, 123
RGB Percent	100%, 94%, 48%
CMY	0.0002, 0.0627, 0.5177
CMYK	0.00, 0.06, 0.52, 0.00
HSL	53°, 100%, 74%
HSV	53°, 52%, 100%
XYZ	75.6692, 84.4231, 31.0399
YIQ	230.5600, 46.7720, -32.6840

# Conversions

## Conversions Part 2

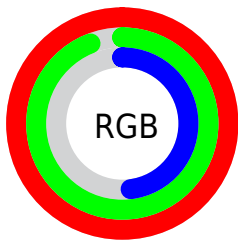
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 255, 123
Decimal	16772987
CIE <sub>Lab</sub>	93.63, -9.15, 57.40
CIE <sub>LCh</sub>	94, 58.121, 99.060
Yxy	84.4231, 0.3959, 0.4417
Android (android.graphics.Color)	4294963067 (0xFFFFEF7B)
YUV	230.5600, -53.0271, 21.4339
Hunter-Lab	91.8820, -13.7903, 44.2879

# Details

The Yxy color **84.4231, 0.3959, 0.4417** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.8694, 0.2163, 0.1824**, and the grayscale version is **79.9401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **46.0449, 0.4106, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **82.0819, 0.4103, 0.4589**, and if you desaturate by 10%, it is **86.9691, 0.3801, 0.4217**.

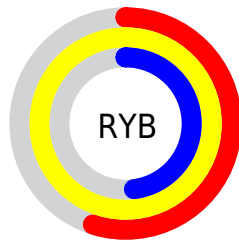
# Distribution



Red (100%)

Green (94%)

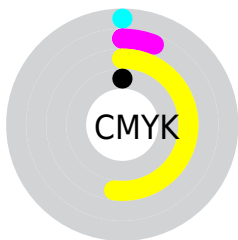
Blue (48%)



Red (55%)

Yellow (100%)

Blue (48%)

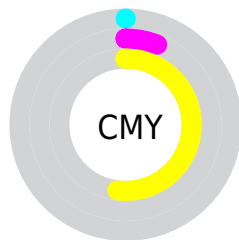


Cyan (0%)

Magenta (6%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4231, 0.3959, 0.4417 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 84.4231, 0.3959, 0.4417 by changing the saturation by 10% instead.




 84.4231, 0.3959,  
0.4417

 84.4231, 0.3959,  
0.4417


509.7172, 0.3609,  
0.3921


 63.3648, 0.4027,  
0.4520


 139.5669, 0.3847,  
0.4253

 46.1364, 0.4105,  
0.4640


 174.4212, 0.3800,  
0.4186

 32.3535, 0.4191,  
0.4782


 214.6429, 0.3759,  
0.4128

 21.6316, 0.4286,  
0.4948

260.6165, 0.3722,  
0.4077

 13.5865, 0.4380,  
0.5138

312.7263, 0.3690,  
0.4031

 7.8336, 0.4533,  
0.5438

371.3568, 0.3660,

 3.9887, 0.4462,

0.3991

0.5538

436.8923, 0.3633,  
0.3954

■ 1.6672, 0.4320,  
0.5680

■ 0.4023, 0.2832,  
0.7168

■ 84.4231, 0.3959,  
0.4417

■ 84.4231, 0.3959,  
0.4417

■ 82.0819, 0.4103,  
0.4589

■ 86.9691, 0.3801,  
0.4217

■ 79.9204, 0.4225,  
0.4723


■ 89.7200, 0.3636,  
0.3999

■ 77.9272, 0.4322,  
0.4814

■ 92.6906, 0.3470,  
0.3773

■ 76.0837, 0.4390,  
0.4858

■ 95.8910, 0.3308,  
0.3547

 74.6548, 0.4428,  
0.4866

 99.3304, 0.3153,  
0.3328

99.9919, 0.3127,  
0.3290

# Harmonies

## Analogous

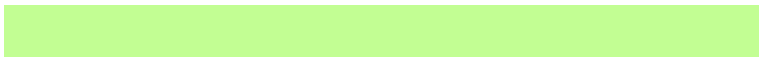
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4231, 0.4368, 0.4039



84.4231, 0.3959, 0.4417



84.4231, 0.3351, 0.4491

# Triad

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



84.4231, 0.3959, 0.4417



84.4231, 0.1978, 0.2812



84.4231, 0.3461, 0.2628

# Complementary

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



84.4231, 0.3959, 0.4417



29.8694, 0.2163, 0.1824

# 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.



84.4231, 0.2792, 0.2348



84.4231, 0.3959, 0.4417



84.4231, 0.2000, 0.2408

# Square

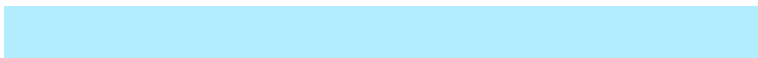
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4231, 0.3959, 0.4417



84.4231, 0.2223, 0.3449



84.4231, 0.2278, 0.2263



84.4231, 0.4089, 0.3050



# Rectangle

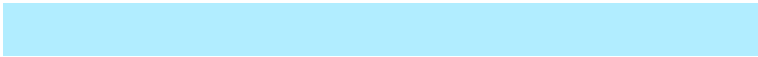
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4231, 0.3959, 0.4417



84.4231, 0.2920, 0.4292



84.4231, 0.2278, 0.2263



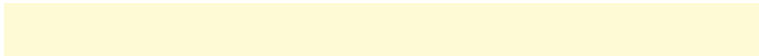
84.4231, 0.3230, 0.2516

# Sweetspot

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



84.4270, 0.3959, 0.4417



94.5420, 0.3376, 0.3643



37.3247, 0.4429, 0.3114



20.0951, 0.3409, 0.3689



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

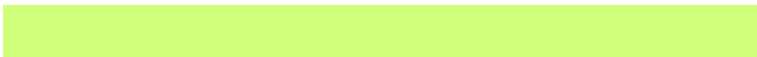
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4270, 0.3959, 0.4417



82.0596, 0.4106, 0.4593



86.1257, 0.3548, 0.4706



20.6941, 0.3272, 0.3497



39.1716, 0.4423, 0.4870



3.9150, 0.4393, 0.4894



# Inverse Universe

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



29.8694, 0.2163, 0.1824



22.2447, 0.1963, 0.1495



30.0794, 0.2467, 0.1767



17.7309, 0.2979, 0.3074



4.3891, 0.1524, 0.0687



0.5344, 0.1565, 0.0835



# Previews

## White Background



This preview shows how the Yxy color 84.4231, 0.3959, 0.4417 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 84.4231, 0.3959, 0.4417 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 84.4231, 0.3959, 0.4417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.4231, 0.3959, 0.4417.



This preview shows how white text looks on a background with the Yxy color 84.4231, 0.3959, 0.4417.

# 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

84.4231, 0.3959, 0.4417

### Protanopia

84.4370, 0.3737, 0.4043

### Deuteranopia

84.1413, 0.3437, 0.3531



## Tritanopia

84.2045, 0.3228, 0.3182

# Trichromacy



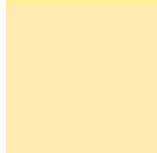
## Original Color

84.4231, 0.3959, 0.4417



## Protanomaly

84.5472, 0.3820, 0.4186



## Deuteranomaly

83.8910, 0.3639, 0.3866



## Tritanomaly

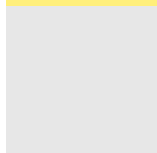
83.6150, 0.3511, 0.3643

# Monochromacy



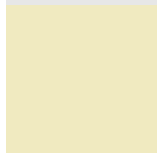
## Original Color

84.4231, 0.3959, 0.4417



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.1767, 0.3440, 0.3730

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.4231, 0.3959, 0.4417 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(255, 239, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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(255, 239, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 84.4231, 0.3959, 0.4417 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(255, 239, 123) }
```

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

```
.border{ border-color:rgb(255, 239, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 239, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 239, 123); box-shadow:4px 4px 4px 4px rgb(255, 239, 123) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.4231, 0.3959, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 123) }
```

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

```
.background{ background-color: rgb(255,  
239, 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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