

# Converting Colors

$Y_{xy}(100.0000, 0.4483, 0.4594)$

Have a look what the booklet for  
Yxy(100.0000, 0.4483, 0.4594)  
contains.

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# **Color**

**Yxy(88.8497, 0.4130, 0.4831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF847
RGB	255, 248, 71
RGB Percent	100%, 97%, 28%
CMY	0.0000, 0.0275, 0.7215
CMYK	0.00, 0.03, 0.72, 0.00
HSL	58°, 100%, 64%
HSV	58°, 72%, 100%
XYZ	75.9572, 88.8497, 19.1088
YIQ	229.9150, 60.9890, -53.5630

# Conversions

## Conversions Part 2

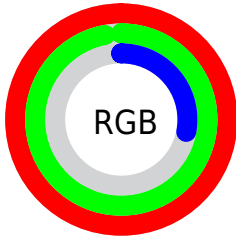
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 255, 71
Decimal	16775239
CIELab	95.52, -16.68, 80.30
CIELCh	96, 82.012, 101.738
Yxy	88.8497, 0.4130, 0.4831
Android (android.graphics.Color)	4294965319 (0xFFFFFFFF847)
YUV	229.9150, -78.3451, 21.9995
Hunter-Lab	94.2601, -21.1154, 53.9625

# Details

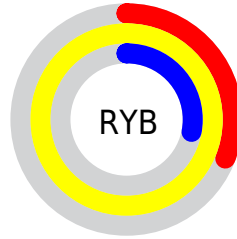
The Yxy color **88.8497, 0.4130, 0.4831** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **14.0120, 0.1751, 0.1050**, and the grayscale version is **79.6189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **49.1686, 0.4211, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **87.9882, 0.4200, 0.4928**, and if you desaturate by 10%, it is **89.8431, 0.4032, 0.4690**.

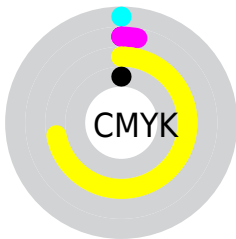
# Distribution



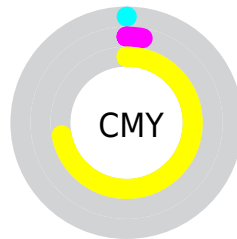
- Red (100%)
- Green (97%)
- Blue (28%)



- Red (31%)
- Yellow (100%)
- Blue (28%)



- Cyan (0%)
- Magenta (3%)
- Yellow (72%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8497, 0.4130, 0.4831 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 88.8497, 0.4130, 0.4831 by changing the saturation by 10% instead.




 88.8497, 0.4130,  
0.4831


 88.8497, 0.4130,  
0.4831


524.2818, 0.3749,  
0.4181

 67.0270, 0.4190,  
0.4954


 145.7395, 0.4019,  
0.4625


 49.1066, 0.4251,  
0.5092


 181.5755, 0.3969,  
0.4538


 34.7040, 0.4307,  
0.5243


 222.8512, 0.3924,  
0.4462

 23.4350, 0.4347,  
0.5404

 269.9513, 0.3883,  
0.4393

 14.9150, 0.4389,  
0.5611

 323.2600, 0.3845,  
0.4332

 8.7598, 0.4292,  
0.5708

383.1617, 0.3810,

 4.5848, 0.4147,

0.4277

0.5853

450.0408, 0.3779,  
0.4227

■ 2.0058, 0.3908,  
0.6092

■ 0.6108, 0.2210,  
0.7790

■ 88.8497, 0.4130,  
0.4831

■ 88.8497, 0.4130,  
0.4831

■ 87.9882, 0.4200,  
0.4928

■ 89.8431, 0.4032,  
0.4690


■ 87.2527, 0.4244,  
0.4981


■ 90.9964, 0.3912,  
0.4511


■ 86.7393, 0.4262,  
0.4998

■ 92.3186, 0.3773,  
0.4300

■ 93.8216, 0.3623,  
0.4068

 95.5161, 0.3467,  
0.3825

 97.4119, 0.3311,  
0.3580

 99.5185, 0.3159,  
0.3340

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



88.8497, 0.4748, 0.4273



88.8497, 0.4130, 0.4831



88.8497, 0.3298, 0.4983

# Triad

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



88.8497, 0.4130, 0.4831



88.8497, 0.1605, 0.2540



88.8497, 0.3657, 0.2452

# Complementary

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



88.8497, 0.4130, 0.4831



14.0120, 0.1751, 0.1050

# 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.



88.8497, 0.2730, 0.2080



88.8497, 0.4130, 0.4831



88.8497, 0.1670, 0.2072

# Square

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



88.8497, 0.4130, 0.4831



88.8497, 0.1864, 0.3393



88.8497, 0.2043, 0.1940



88.8497, 0.4523, 0.2994



# Rectangle

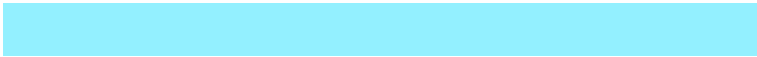
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8497, 0.4130, 0.4831



88.8497, 0.2729, 0.4681



88.8497, 0.2043, 0.1940



88.8497, 0.3335, 0.2306

# Sweetspot

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



88.8455, 0.4130, 0.4831



95.5432, 0.3465, 0.3822



26.3506, 0.5505, 0.3227



20.3475, 0.3507, 0.3888



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.



88.8455, 0.4130, 0.4831



87.6177, 0.4224, 0.4959



80.7691, 0.3517, 0.5264



20.9650, 0.3270, 0.3516



45.3757, 0.4261, 0.4999



4.4536, 0.4253, 0.5005



# Inverse Universe

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



14.0120, 0.1751, 0.1050



9.1735, 0.1572, 0.0740



18.5795, 0.2261, 0.1250



17.4886, 0.2978, 0.3054



3.9307, 0.1506, 0.0623

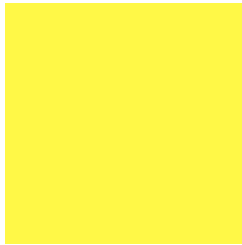


0.4200, 0.1521, 0.0676



# Previews

## White Background



This preview shows how the Yxy color 88.8497, 0.4130, 0.4831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

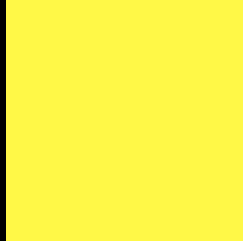
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8497, 0.4130, 0.4831 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 88.8497, 0.4130, 0.4831**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8497, 0.4130, 0.4831.



This preview shows how white text looks on a background with the Yxy color 88.8497, 0.4130, 0.4831.

# 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

88.8497, 0.4130, 0.4831

### Protanopia

88.5700, 0.3531, 0.3790

### Deuteranopia

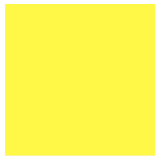
88.8541, 0.3341, 0.3468



## Tritanopia

88.4209, 0.3197, 0.3212

# Trichromacy



## Original Color

88.8497, 0.4130, 0.4831



## Protanomaly

88.0995, 0.3797, 0.4238



## Deuteranomaly

88.1512, 0.3686, 0.4048



## Tritanomaly

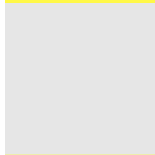
87.5480, 0.3597, 0.3881

# Monochromacy



## Original Color

88.8497, 0.4130, 0.4831



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.8977, 0.3556, 0.3972

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8497, 0.4130, 0.4831 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, 248, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 71)  
}
```

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, 248, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 71) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8497, 0.4130, 0.4831 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, 248, 71) }
```

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

```
.border{ border-color:rgb(255, 248, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
71) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8497, 0.4130, 0.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 71) }
```

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

```
.background{ background-color: rgb(255,  
248, 71) }
```

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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