

# Converting Colors

$Y_{xy}(83.2967, 0.4015, 0.4071)$

Have a look what the booklet for  
Yxy(83.2967, 0.4015, 0.4071)  
contains.

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# **Color**

**Yxy(79.4052, 0.3863, 0.4116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE593
RGB	255, 229, 147
RGB Percent	100%, 90%, 58%
CMY	0.0000, 0.1019, 0.4237
CMYK	0.00, 0.10, 0.42, 0.00
HSL	46°, 100%, 79%
HSV	46°, 42%, 100%
XYZ	74.5244, 79.4052, 38.9888
YIQ	227.4260, 41.8180, -19.9900

# Conversions

## Conversions Part 2

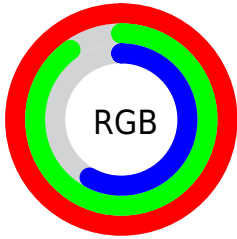
Format	Color
R <sub>Y</sub> B	181, 255, 147
Decimal	16770451
CIE Lab	91.42, -1.95, 43.18
CIE LCh	91, 43.224, 92.581
Yxy	79.4052, 0.3863, 0.4116
Android (android.graphics.Color)	4294960531 (0xFFFFE593)
YUV	227.4260, -39.6500, 24.1824
Hunter-Lab	89.1096, -6.6582, 36.4351

# Details

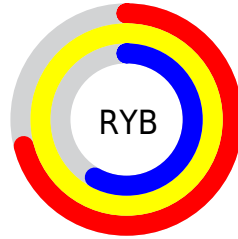
The Yxy color **79.4052, 0.3863, 0.4116** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.2924, 0.2383, 0.2292**, and the grayscale version is **77.4139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **42.9686, 0.4015, 0.4288** is the 20% darker color. If you saturate the color by 10%, you get **75.3591, 0.4050, 0.4295**, and if you desaturate by 10%, it is **83.7551, 0.3675, 0.3922**.

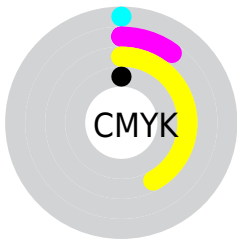
# Distribution



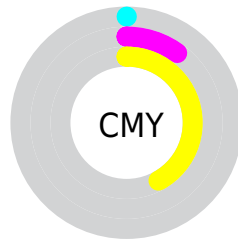
- Red (100%)
- Green (90%)
- Blue (58%)



- Red (71%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (10%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4052, 0.3863, 0.4116 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 79.4052, 0.3863, 0.4116 by changing the saturation by 10% instead.





 79.4052, 0.3863,  
0.4116

 79.4052, 0.3863,  
0.4116

492.9261, 0.3537,  
0.3747

 59.2290, 0.3932,  
0.4195


 132.5291, 0.3754,  
0.3992

 42.7975, 0.4014,  
0.4289


 166.2457, 0.3710,  
0.3942

 29.7263, 0.4112,  
0.4403


205.2445, 0.3672,  
0.3899

 19.6309, 0.4231,  
0.4542

249.9100, 0.3639,  
0.3861

 12.1270, 0.4371,  
0.4709

300.6264, 0.3609,  
0.3828

 6.8303, 0.4536,  
0.4911

357.7784, 0.3582,

 3.3562, 0.4782,

0.3798

0.5218

421.7501, 0.3559,  
0.3771

■ 1.3204, 0.4749,  
0.5251

■ 0.1569, 0.3931,  
0.6069

■ 79.4052, 0.3863,  
0.4116

■ 79.4052, 0.3863,  
0.4116

■ 75.3591, 0.4050,  
0.4295

■ 83.7551, 0.3675,  
0.3922

■ 71.5942, 0.4230,  
0.4447

■ 88.4112, 0.3494,  
0.3723

■ 68.0990, 0.4393,  
0.4564

■ 93.3878, 0.3322,  
0.3525

■ 64.8569, 0.4532,  
0.4635

■ 98.6952, 0.3163,  
0.3334

■ 61.8483, 0.4641,  
0.4657

100.0000, 0.3127,  
0.3290

■ 59.6865, 0.4705,  
0.4646

# Harmonies

## Analogous

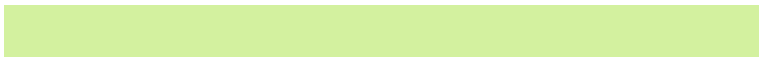
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4052, 0.4114, 0.3815



79.4052, 0.3863, 0.4116



79.4052, 0.3423, 0.4204

# Triad

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



79.4052, 0.3863, 0.4116



79.4052, 0.2255, 0.3034



79.4052, 0.3274, 0.2713

# Complementary

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



79.4052, 0.3863, 0.4116



43.2924, 0.2383, 0.2292

# 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.



79.4052, 0.2776, 0.2521



79.4052, 0.3863, 0.4116



79.4052, 0.2222, 0.2668

# Square

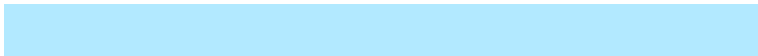
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.4052, 0.3863, 0.4116



79.4052, 0.2502, 0.3531



79.4052, 0.2404, 0.2497



79.4052, 0.3767, 0.3033

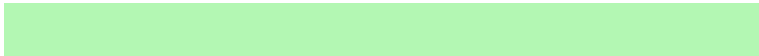


# Rectangle

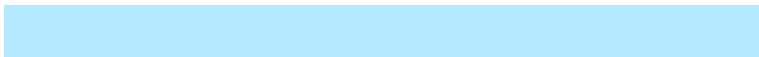
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.4052, 0.3863, 0.4116



79.4052, 0.3088, 0.4094



79.4052, 0.2404, 0.2497



79.4052, 0.3101, 0.2632

# Sweetspot

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



79.4084, 0.3863, 0.4116



93.0621, 0.3333, 0.3537



45.1728, 0.3951, 0.3009



19.6790, 0.3370, 0.3581



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

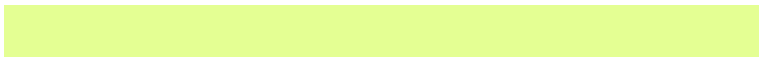
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4084, 0.3863, 0.4116



75.8949, 0.4025, 0.4272



90.1183, 0.3574, 0.4412



20.3065, 0.3275, 0.3469



31.4315, 0.4695, 0.4654



3.2294, 0.4626, 0.4709



# Inverse Universe

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



43.2924, 0.2383, 0.2292



35.4338, 0.2218, 0.2045



37.0737, 0.2519, 0.2033



18.0872, 0.2979, 0.3104



5.7278, 0.1574, 0.0866



0.7186, 0.1631, 0.1071



# Previews

## White Background



This preview shows how the Yxy color 79.4052, 0.3863, 0.4116 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 79.4052, 0.3863, 0.4116 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 79.4052, 0.3863, 0.4116**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.4052, 0.3863, 0.4116.



This preview shows how white text looks on a background with the Yxy color 79.4052, 0.3863, 0.4116.

# 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

79.4052, 0.3863, 0.4116

### Protanopia

79.2410, 0.3822, 0.4125

### Deuteranopia

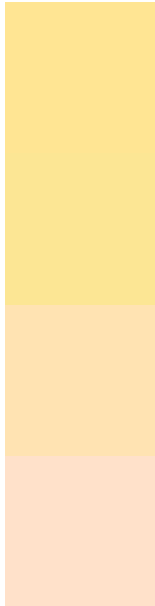
79.5928, 0.3546, 0.3606



## Tritanopia

79.4431, 0.3282, 0.3171

# Trichromacy



**Original Color**

79.4052, 0.3863, 0.4116

**Protanomaly**

79.4272, 0.3830, 0.4122

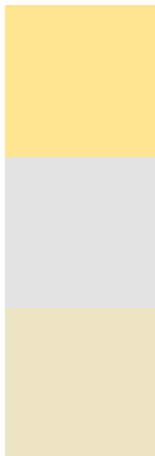
**Deuteranomaly**

79.4125, 0.3662, 0.3789

**Tritanomaly**

79.3747, 0.3500, 0.3524

# Monochromacy



**Original Color**

79.4052, 0.3863, 0.4116

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

77.5685, 0.3389, 0.3608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4052, 0.3863, 0.4116 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, 229, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 147)  
}
```

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, 229, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4052, 0.3863, 0.4116 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, 229, 147) }
```

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

```
.border{ border-color:rgb(255, 229, 147) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4052, 0.3863, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 147) }
```

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

```
.background{ background-color: rgb(255,  
229, 147) }
```

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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