

# Converting Colors

$Y_{xy}(81.5778, 0.3832, 0.4127)$

Have a look what the booklet for  
Yxy(81.5778, 0.3832, 0.4127)  
contains.

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# Color

**Yxy(81.7078, 0.3834, 0.4132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE995
RGB	255, 233, 149
RGB Percent	100%, 91%, 58%
CMY	0.0000, 0.0863, 0.4156
CMYK	0.00, 0.09, 0.42, 0.00
HSL	48°, 100%, 79%
HSV	48°, 42%, 100%
XYZ	75.8150, 81.7078, 40.2211
YIQ	230.0020, 40.0760, -21.4600

# Conversions

## Conversions Part 2

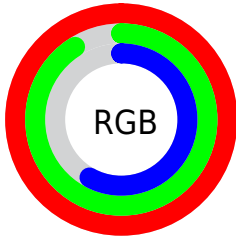
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 255, 149
Decimal	16771477
CIE Lab	92.45, -3.73, 43.47
CIE LCh	92, 43.632, 94.908
Yxy	81.7078, 0.3834, 0.4132
Android (android.graphics.Color)	4294961557 (0xFFFFE995)
YUV	230.0020, -39.9340, 21.9232
Hunter-Lab	90.3924, -8.4729, 36.8929

# Details

The Yxy color **81.7078, 0.3834, 0.4132** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.7526, 0.2391, 0.2271**, and the grayscale version is **79.4099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **44.5742, 0.3974, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **78.0241, 0.4013, 0.4318**, and if you desaturate by 10%, it is **85.6543, 0.3653, 0.3931**.

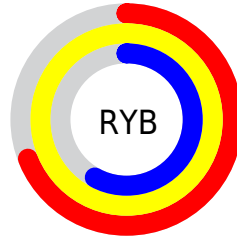
# Distribution



Red (100%)

Green (91%)

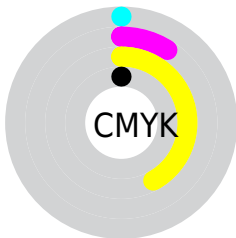
Blue (58%)



Red (69%)

Yellow (100%)

Blue (58%)

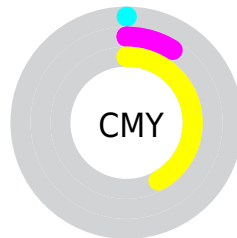


Cyan (0%)

Magenta (9%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7078, 0.3834, 0.4132 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 81.7078, 0.3834, 0.4132 by changing the saturation by 10% instead.





 81.7078, 0.3834,  
0.4132

 81.7078, 0.3834,  
0.4132


500.6698, 0.3523,  
0.3756

 61.1247, 0.3899,  
0.4213


 135.7642, 0.3731,  
0.4005

 44.3258, 0.3977,  
0.4309


 170.0062, 0.3689,  
0.3955

 30.9267, 0.4069,  
0.4426


209.5701, 0.3653,  
0.3911

 20.5431, 0.4179,  
0.4568

254.8401, 0.3621,  
0.3872

 12.7904, 0.4309,  
0.4742

306.2007, 0.3592,  
0.3838

 7.2844, 0.4457,  
0.4950

364.0362, 0.3567,

 3.6406, 0.4702,

0.3808

0.5298

428.7311, 0.3544,  
0.3781

■ 1.4746, 0.4642,  
0.5358

■ 0.2708, 0.3804,  
0.6196

■ 81.7078, 0.3834,  
0.4132

■ 81.7078, 0.3834,  
0.4132

■ 78.0241, 0.4013,  
0.4318

■ 85.6543, 0.3653,  
0.3931

■ 74.5989, 0.4183,  
0.4479

■ 89.8833, 0.3476,  
0.3724

■ 71.4156, 0.4336,  
0.4603

■ 94.4026, 0.3308,  
0.3519

■ 68.4581, 0.4464,  
0.4683

■ 99.2223, 0.3150,  
0.3320

■ 65.7074, 0.4562,  
0.4715

100.0000, 0.3127,  
0.3290

■ 63.5218, 0.4625,  
0.4710

# Harmonies

## Analogous

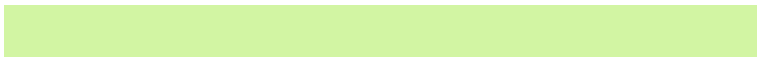
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7078, 0.4104, 0.3843



81.7078, 0.3834, 0.4132



81.7078, 0.3385, 0.4198

# Triad

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



81.7078, 0.3834, 0.4132



81.7078, 0.2245, 0.2999



81.7078, 0.3315, 0.2734

# Complementary

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



81.7078, 0.3834, 0.4132



42.7526, 0.2391, 0.2271

# 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.



81.7078, 0.2811, 0.2530



81.7078, 0.3834, 0.4132



81.7078, 0.2229, 0.2647

# Square

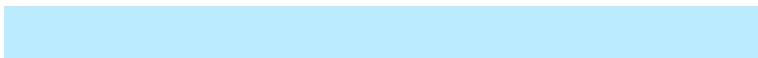
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7078, 0.3834, 0.4132



81.7078, 0.2476, 0.3491



81.7078, 0.2426, 0.2493



81.7078, 0.3800, 0.3062

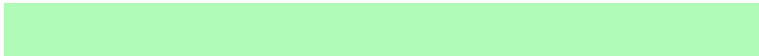


# Rectangle

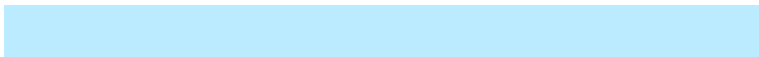
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7078, 0.3834, 0.4132



81.7078, 0.3050, 0.4072



81.7078, 0.2426, 0.2493



81.7078, 0.3141, 0.2650

# Sweetspot

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



81.7051, 0.3834, 0.4132



94.1958, 0.3315, 0.3527



45.7430, 0.3965, 0.3052



20.0322, 0.3336, 0.3554



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

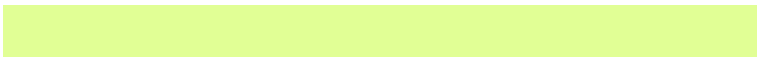
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7051, 0.3834, 0.4132



78.5799, 0.3985, 0.4291



89.6945, 0.3543, 0.4399



20.4124, 0.3274, 0.3477



33.4140, 0.4616, 0.4717



3.4068, 0.4558, 0.4763



# Inverse Universe

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



42.7526, 0.2391, 0.2271



34.8744, 0.2226, 0.2020



38.3151, 0.2559, 0.2069



17.9888, 0.2979, 0.3096



5.2712, 0.1557, 0.0806



0.6613, 0.1611, 0.1000



# Previews

## White Background



This preview shows how the Yxy color 81.7078, 0.3834, 0.4132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

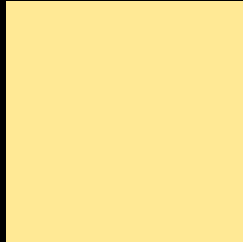
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.7078, 0.3834, 0.4132 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 81.7078, 0.3834, 0.4132**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7078, 0.3834, 0.4132.



This preview shows how white text looks on a background with the Yxy color 81.7078, 0.3834, 0.4132.

# 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

81.7078, 0.3834, 0.4132

### Protanopia

81.5186, 0.3826, 0.4135

### Deuteranopia

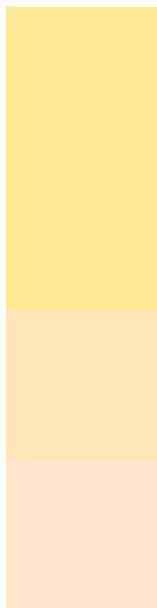
81.6104, 0.3485, 0.3553



## Tritanopia

81.7671, 0.3258, 0.3182

# Trichromacy



## Original Color

81.7078, 0.3834, 0.4132

## Protanomaly

81.5186, 0.3826, 0.4135

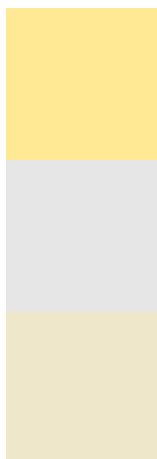
## Deuteranomaly

81.2725, 0.3620, 0.3767

## Tritanomaly

81.7064, 0.3471, 0.3533

# Monochromacy



## Original Color

81.7078, 0.3834, 0.4132

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.7196, 0.3379, 0.3605

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7078, 0.3834, 0.4132 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, 233, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 149)  
}
```

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, 233, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7078, 0.3834, 0.4132 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, 233, 149) }
```

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

```
.border{ border-color:rgb(255, 233, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7078, 0.3834, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 149) }
```

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

```
.background{ background-color: rgb(255,  
233, 149) }
```

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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