

# Converting Colors

$Y_{xy}(80.2732, 0.3851, 0.4121)$

Have a look what the booklet for  
Yxy(80.2732, 0.3851, 0.4121)  
contains.

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# **Color**

**Yxy(80.5499, 0.3848, 0.4124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE794
RGB	255, 231, 148
RGB Percent	100%, 91%, 58%
CMY	0.0000, 0.0941, 0.4195
CMYK	0.00, 0.09, 0.42, 0.00
HSL	47°, 100%, 79%
HSV	47°, 42%, 100%
XYZ	75.1591, 80.5499, 39.6109
YIQ	228.7140, 40.9470, -20.7250

# Conversions

## Conversions Part 2

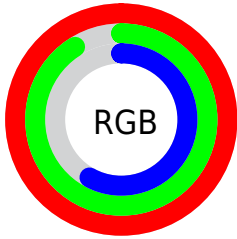
Format	Color
R <sub>Y</sub> B	179, 255, 148
Decimal	16770964
CIE Lab	91.93, -2.86, 43.31
CIE LCh	92, 43.408, 93.772
Yxy	80.5499, 0.3848, 0.4124
Android (android.graphics.Color)	4294961044 (0xFFFFE794)
YUV	228.7140, -39.7920, 23.0528
Hunter-Lab	89.7496, -7.5804, 36.6572

# Details

The Yxy color **80.5499, 0.3848, 0.4124** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.0217, 0.2387, 0.2282**, and the grayscale version is **78.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **43.7655, 0.3994, 0.4299** is the 20% darker color. If you saturate the color by 10%, you get **76.6851, 0.4031, 0.4306**, and if you desaturate by 10%, it is **84.7045, 0.3664, 0.3927**.

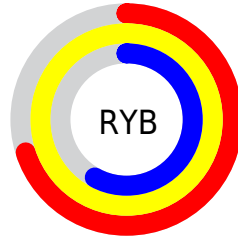
# Distribution



Red (100%)

Green (91%)

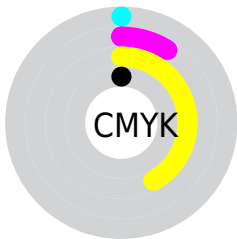
Blue (58%)



Red (70%)

Yellow (100%)

Blue (58%)

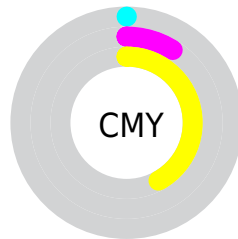


Cyan (0%)

Magenta (9%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5499, 0.3848, 0.4124 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 80.5499, 0.3848, 0.4124 by changing the saturation by 10% instead.





 80.5499, 0.3848,  
0.4124


 80.5499, 0.3848,  
0.4124


496.7841, 0.3530,  
0.3752

 60.1710, 0.3915,  
0.4204


 134.1386, 0.3742,  
0.3999

 43.5565, 0.3995,  
0.4299


 168.1171, 0.3699,  
0.3949

 30.3220, 0.4090,  
0.4415


207.3977, 0.3662,  
0.3905

 20.0831, 0.4204,  
0.4555

252.3646, 0.3629,  
0.3867

 12.4555, 0.4339,  
0.4726

303.4023, 0.3600,  
0.3833

 7.0547, 0.4495,  
0.4931

360.8952, 0.3574,

 3.4963, 0.4741,

0.3803

0.5259

425.2277, 0.3551,  
0.3776

■ 1.3960, 0.4693,  
0.5307

■ 0.2138, 0.3844,  
0.6156

■ 80.5499, 0.3848,  
0.4124

■ 80.5499, 0.3848,  
0.4124

■ 76.6851, 0.4031,  
0.4306

■ 84.7045, 0.3664,  
0.3927

■ 73.0862, 0.4206,  
0.4463

■ 89.1494, 0.3484,  
0.3723

■ 69.7425, 0.4364,  
0.4584

■ 93.8992, 0.3315,  
0.3522

■ 66.6380, 0.4497,  
0.4659

■ 98.9641, 0.3156,  
0.3327

■ 63.7531, 0.4601,  
0.4687

99.9977, 0.3127,  
0.3290

■ 61.5675, 0.4665,  
0.4678

# Harmonies

## Analogous

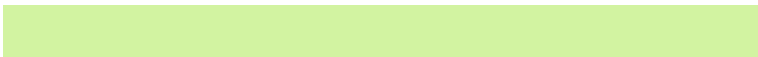
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5499, 0.4109, 0.3829



80.5499, 0.3848, 0.4124



80.5499, 0.3403, 0.4201

# Triad

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



80.5499, 0.3848, 0.4124



80.5499, 0.2250, 0.3016



80.5499, 0.3295, 0.2724

# Complementary

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



80.5499, 0.3848, 0.4124



43.0217, 0.2387, 0.2282

# 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.



80.5499, 0.2794, 0.2526



80.5499, 0.3848, 0.4124



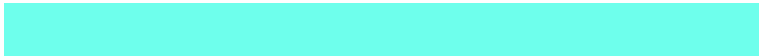
80.5499, 0.2226, 0.2657

# Square

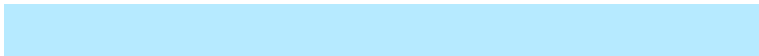
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5499, 0.3848, 0.4124



80.5499, 0.2489, 0.3510



80.5499, 0.2415, 0.2495



80.5499, 0.3784, 0.3048

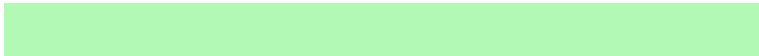


# Rectangle

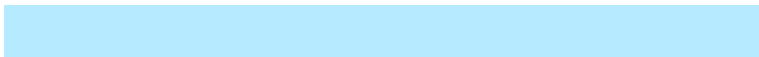
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5499, 0.3848, 0.4124



80.5499, 0.3069, 0.4083



80.5499, 0.2415, 0.2495



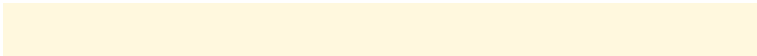
80.5499, 0.3121, 0.2641

# Sweetspot

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



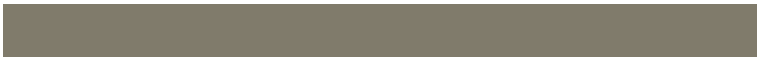
80.5536, 0.3848, 0.4124



93.3959, 0.3332, 0.3543



45.4603, 0.3958, 0.3031



19.7620, 0.3369, 0.3587



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

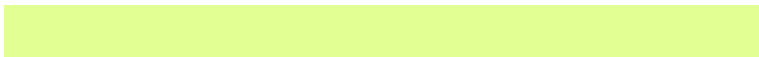
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5536, 0.3848, 0.4124



77.4262, 0.3996, 0.4273



89.8948, 0.3558, 0.4405



20.3593, 0.3275, 0.3473



32.4075, 0.4655, 0.4686



3.3169, 0.4592, 0.4736



# Inverse Universe

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



43.0217, 0.2387, 0.2282



35.5747, 0.2231, 0.2047



37.6993, 0.2539, 0.2051



18.0380, 0.2979, 0.3100



5.4910, 0.1566, 0.0835



0.6893, 0.1621, 0.1035



# Previews

## White Background



This preview shows how the Yxy color 80.5499, 0.3848, 0.4124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

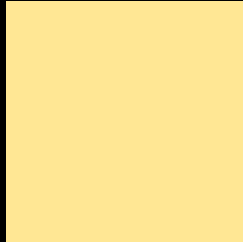
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.5499, 0.3848, 0.4124 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 80.5499, 0.3848, 0.4124**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.5499, 0.3848, 0.4124.

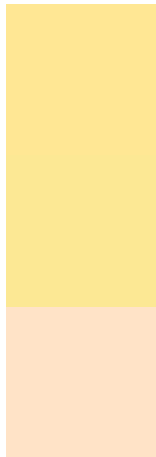


This preview shows how white text looks on a background with the Yxy color 80.5499, 0.3848, 0.4124.

# 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

80.5499, 0.3848, 0.4124

### Protanopia

80.5468, 0.3822, 0.4140

### Deuteranopia

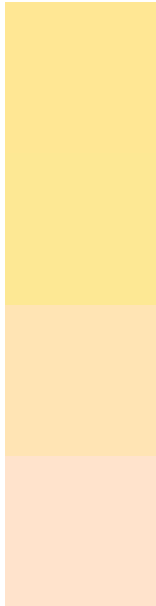
80.3217, 0.3516, 0.3574



## Tritanopia

80.6274, 0.3266, 0.3172

# Trichromacy



## Original Color

80.5499, 0.3848, 0.4124

## Protanomaly

80.7340, 0.3829, 0.4138

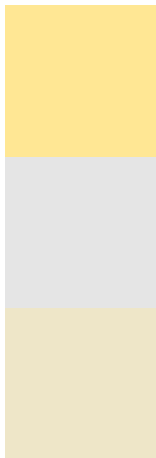
## Deuteranomaly

80.0421, 0.3646, 0.3779

## Tritanomaly

80.5578, 0.3482, 0.3523

# Monochromacy



## Original Color

80.5499, 0.3848, 0.4124

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.9409, 0.3380, 0.3606

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5499, 0.3848, 0.4124 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, 231, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 148)  
}
```

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, 231, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5499, 0.3848, 0.4124 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, 231, 148) }
```

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

```
.border{ border-color:rgb(255, 231, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5499, 0.3848, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 148) }
```

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

```
.background{ background-color: rgb(255,  
231, 148) }
```

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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