

# Converting Colors

$Yxy(63.5292, 0.4462, 0.3836)$

Have a look what the booklet for  
Yxy(63.5292, 0.4462, 0.3836)  
contains.

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# **Color**

**Yxy(57.4643, 0.4231, 0.3900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB97E
RGB	255, 185, 126
RGB Percent	100%, 73%, 49%
CMY	0.0002, 0.2744, 0.5059
CMYK	0.00, 0.27, 0.51, 0.00
HSL	27°, 100%, 75%
HSV	27°, 51%, 100%
XYZ	62.3414, 57.4643, 27.5387
YIQ	199.2040, 60.6590, -3.5090

# Conversions

## Conversions Part 2

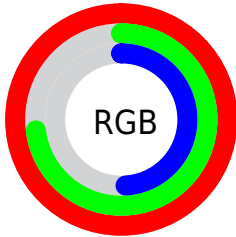
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 235, 126
Decimal	16759166
CIE <sub>Lab</sub>	80.44, 18.74, 39.80
CIE <sub>LCh</sub>	80, 43.985, 64.788
Yxy	57.4643, 0.4231, 0.3900
Android (android.graphics.Color)	4294949246 (0xFFFFB97E)
YUV	199.2040, -36.0896, 48.9331
Hunter-Lab	75.8052, 14.1374, 31.5247

# Details

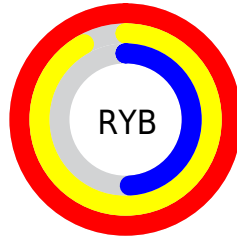
The Yxy color **57.4643, 0.4231, 0.3900** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.0903, 0.2325, 0.2562**, and the grayscale version is **57.4420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4253, 0.3616, 0.3911**, and **28.6264, 0.4493, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **51.3844, 0.4523, 0.3997**, and if you desaturate by 10%, it is **64.2799, 0.3958, 0.3784**.

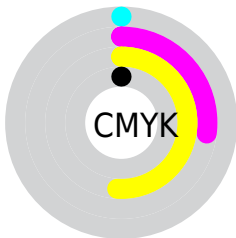
# Distribution



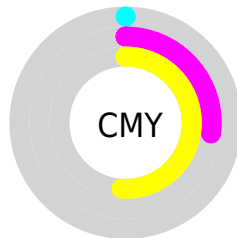
- Red (100%)
- Green (73%)
- Blue (49%)



- Red (100%)
- Yellow (92%)
- Blue (49%)



- Cyan (0%)
- Magenta (27%)
- Yellow (51%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4643, 0.4231, 0.3900 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 57.4643, 0.4231, 0.3900 by changing the saturation by 10% instead.





 57.4643, 0.4231,  
0.3900


 57.4643, 0.4231,  
0.3900


415.1868, 0.3702,  
0.3635

 41.3781, 0.4353,  
0.3953


 101.1423, 0.4046,  
0.3814

 28.6147, 0.4502,  
0.4012


 129.5030, 0.3974,  
0.3778

 18.7895, 0.4688,  
0.4078


 162.7240, 0.3913,  
0.3747

 11.5183, 0.4922,  
0.4146

201.1896, 0.3860,  
0.3720

 6.4166, 0.5220,  
0.4199

245.2843, 0.3813,  
0.3695

 3.1000, 0.5713,  
0.4287

295.3925, 0.3772,

 1.1842, 0.6001,

0.3673

0.3999

351.8985, 0.3735,  
0.3653

0.0487, 0.9118,  
0.0882

0.0000, 0.0000,  
0.0000

57.4643, 0.4231,  
0.3900

57.4643, 0.4231,  
0.3900

51.3844, 0.4523,  
0.3997

64.2799, 0.3958,  
0.3784

46.0027, 0.4821,  
0.4061

71.8497, 0.3712,  
0.3660

41.2905, 0.5109,  
0.4080

80.2018, 0.3493,  
0.3534

37.2123, 0.5363,  
0.4045

89.3602, 0.3302,  
0.3412

■ 33.9092, 0.5562,  
0.3966

99.3478, 0.3136,  
0.3297

99.9912, 0.3127,  
0.3290

# Harmonies

## Analogous

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



57.4643, 0.4227, 0.3464



57.4643, 0.4231, 0.3900



57.4643, 0.3921, 0.4237

# Triad

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



57.4643, 0.4231, 0.3900



57.4643, 0.2393, 0.3517



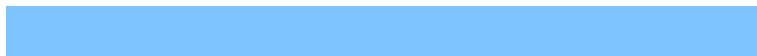
57.4643, 0.2766, 0.2441

# Complementary

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



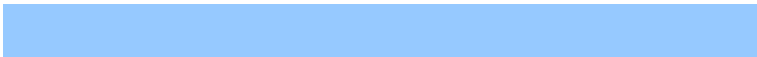
57.4643, 0.4231, 0.3900



51.0903, 0.2325, 0.2562

# 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.



57.4643, 0.2339, 0.2397



57.4643, 0.4231, 0.3900



57.4643, 0.2139, 0.2955

# Square

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



57.4643, 0.4231, 0.3900



57.4643, 0.2853, 0.4059



57.4643, 0.2122, 0.2564



57.4643, 0.3334, 0.2666



# Rectangle

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



57.4643, 0.4231, 0.3900



57.4643, 0.3595, 0.4334



57.4643, 0.2122, 0.2564



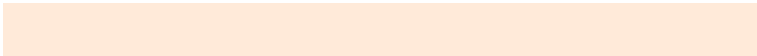
57.4643, 0.2603, 0.2404

# Sweetspot

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



57.4671, 0.4231, 0.3900



85.2514, 0.3383, 0.3465



40.1963, 0.3757, 0.2570



17.8357, 0.3423, 0.3491



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.



57.4671, 0.4231, 0.3900



51.1684, 0.4535, 0.4000



90.2030, 0.3898, 0.4467



19.3572, 0.3283, 0.3399



18.0158, 0.5534, 0.3988



1.9695, 0.5343, 0.4140



# Inverse Universe

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



51.0903, 0.2325, 0.2562



44.0904, 0.2176, 0.2378



28.2716, 0.2166, 0.1752



19.0097, 0.2979, 0.3178



13.6114, 0.1810, 0.1717



1.5439, 0.1864, 0.1910



# Previews

## White Background



This preview shows how the Yxy color 57.4643, 0.4231, 0.3900 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 57.4643, 0.4231, 0.3900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

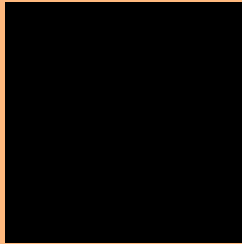
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.4643, 0.4231, 0.3900**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.4643, 0.4231, 0.3900.



This preview shows how white text looks on a background with the Yxy color 57.4643, 0.4231, 0.3900.

# 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

57.4643, 0.4231, 0.3900

### Protanopia

57.7262, 0.3781, 0.4085

### Deuteranopia

57.6195, 0.4094, 0.4002



## Tritanopia

57.2618, 0.3692, 0.3166

# Trichromacy



**Original Color**

57.4643, 0.4231, 0.3900

**Protanomaly**

57.6308, 0.3940, 0.4019

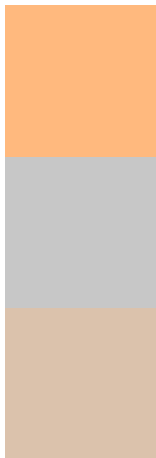
**Deuteranomaly**

57.6500, 0.4148, 0.3969

**Tritanomaly**

57.0978, 0.3900, 0.3440

# Monochromacy



**Original Color**

57.4643, 0.4231, 0.3900

**Achromatopsia**

57.1125, 0.3127, 0.3290

**Achromatomaly**

56.6222, 0.3506, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.4643, 0.4231, 0.3900 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, 185, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 126)  
}
```

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, 185, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 57.4643, 0.4231, 0.3900 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, 185, 126) }
```

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

```
.border{ border-color:rgb(255, 185, 126) }
```

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

Here you see how a box with a 4 pixel rgb(255, 185, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.4643, 0.4231, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 126) }
```

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

```
.background{ background-color: rgb(255,  
185, 126) }
```

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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