

# Converting Colors

$Y_{xy}(83.7525, 0.4963, 0.3660)$

Have a look what the booklet for  
Yxy(83.7525, 0.4963, 0.3660)  
contains.

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# **Color**

**Yxy(57.5966, 0.4191, 0.3851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB983
RGB	255, 185, 131
RGB Percent	100%, 73%, 51%
CMY	0.0001, 0.2745, 0.4863
CMYK	0.00, 0.27, 0.49, 0.00
HSL	26°, 100%, 76%
HSV	26°, 49%, 100%
XYZ	62.6817, 57.5966, 29.2844
YIQ	199.7740, 59.0540, -1.9540

# Conversions

## Conversions Part 2

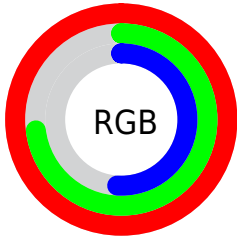
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 227, 131
Decimal	16759171
CIE Lab	80.51, 19.21, 37.30
CIE LCh	81, 41.959, 62.758
Yxy	57.5966, 0.4191, 0.3851
Android (android.graphics.Color)	4294949251 (0xFFFFB983)
YUV	199.7740, -33.9056, 48.4332
Hunter-Lab	75.8924, 14.6165, 30.2466

# Details

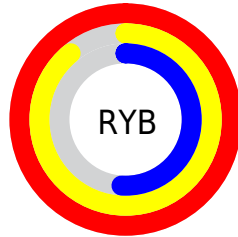
The Yxy color **57.5966, 0.4191, 0.3851** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.8032, 0.2361, 0.2631**, and the grayscale version is **57.7990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6734, 0.3578, 0.3851**, and **28.8324, 0.4454, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **51.2712, 0.4488, 0.3947**, and if you desaturate by 10%, it is **64.7071, 0.3917, 0.3738**.

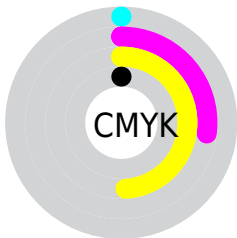
# Distribution



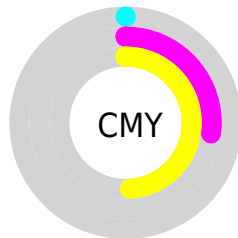
- Red (100%)
- Green (73%)
- Blue (51%)



- Red (100%)
- Yellow (89%)
- Blue (51%)



- Cyan (0%)
- Magenta (27%)
- Yellow (49%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5966, 0.4191, 0.3851 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 57.5966, 0.4191, 0.3851 by changing the saturation by 10% instead.




 57.5966, 0.4191,  
0.3851

 57.5966, 0.4191,  
0.3851


415.6811, 0.3680,  
0.3607


 41.4844, 0.4309,  
0.3900


 101.3352, 0.4012,  
0.3771

 28.6978, 0.4455,  
0.3956


 129.7304, 0.3942,  
0.3739

 18.8523, 0.4639,  
0.4018


 162.9887, 0.3883,  
0.3710

 11.5636, 0.4873,  
0.4083

201.4946, 0.3831,  
0.3685

 6.4473, 0.5174,  
0.4137

245.6323, 0.3786,  
0.3662

 3.1189, 0.5731,  
0.4269

295.7864, 0.3747,

 1.1941, 0.6023,

0.3642

0.3977

352.3412, 0.3711,  
0.3623

0.0569, 0.9019,  
0.0981

0.0000, 0.0000,  
0.0000

57.5966, 0.4191,  
0.3851

57.5966, 0.4191,  
0.3851

51.2712, 0.4488,  
0.3947

64.7071, 0.3917,  
0.3738

45.6918, 0.4797,  
0.4014

72.6231, 0.3671,  
0.3619

40.8278, 0.5100,  
0.4038

81.3742, 0.3455,  
0.3499

36.6421, 0.5373,  
0.4009

90.9861, 0.3268,  
0.3384

■ 33.0894, 0.5598,  
0.3927

99.9974, 0.3127,  
0.3290

■ 32.6450, 0.5627,  
0.3914

# Harmonies

## Analogous

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



57.5966, 0.4163, 0.3431



57.5966, 0.4191, 0.3851



57.5966, 0.3915, 0.4179

# Triad

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



57.5966, 0.4191, 0.3851



57.5966, 0.2451, 0.3546



57.5966, 0.2750, 0.2467

# Complementary

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



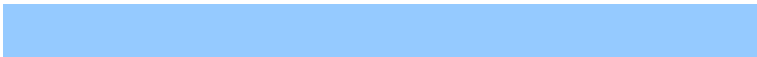
57.5966, 0.4191, 0.3851



53.8032, 0.2361, 0.2631

# 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.



57.5966, 0.2352, 0.2439



57.5966, 0.4191, 0.3851



57.5966, 0.2190, 0.3006

# Square

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



57.5966, 0.4191, 0.3851



57.5966, 0.2902, 0.4047



57.5966, 0.2158, 0.2616



57.5966, 0.3287, 0.2673



# Rectangle

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



57.5966, 0.4191, 0.3851



57.5966, 0.3611, 0.4281



57.5966, 0.2158, 0.2616



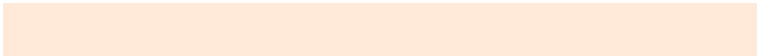
57.5966, 0.2597, 0.2436

# Sweetspot

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



57.5994, 0.4191, 0.3851



84.7691, 0.3384, 0.3457



41.7182, 0.3700, 0.2576



17.7199, 0.3425, 0.3481



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.



57.5994, 0.4191, 0.3851



51.6513, 0.4469, 0.3942



89.2466, 0.3880, 0.4411



19.2889, 0.3283, 0.3394



17.3442, 0.5599, 0.3937



1.9014, 0.5400, 0.4094



# Inverse Universe

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



53.8032, 0.2361, 0.2631



47.4249, 0.2227, 0.2475



30.5855, 0.2212, 0.1844



19.0790, 0.2979, 0.3184



14.4832, 0.1832, 0.1794



1.6277, 0.1883, 0.1980



# Previews

## White Background



This preview shows how the Yxy color 57.5966, 0.4191, 0.3851 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 57.5966, 0.4191, 0.3851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

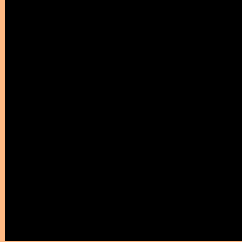
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5966, 0.4191, 0.3851**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5966, 0.4191, 0.3851.



This preview shows how white text looks on a background with the Yxy color 57.5966, 0.4191, 0.3851.

# 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

57.5966, 0.4191, 0.3851

### Protanopia

57.7136, 0.3735, 0.4031

### Deuteranopia

57.5741, 0.4047, 0.3953



## Tritanopia

57.7083, 0.3680, 0.3166

# Trichromacy



**Original Color**

57.5966, 0.4191, 0.3851

**Protanomaly**

57.6025, 0.3893, 0.3968

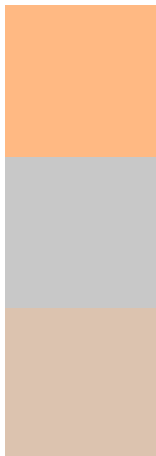
**Deuteranomaly**

57.5997, 0.4100, 0.3921

**Tritanomaly**

57.6182, 0.3870, 0.3418

# Monochromacy



**Original Color**

57.5966, 0.4191, 0.3851

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

57.3410, 0.3488, 0.3523

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5966, 0.4191, 0.3851 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5966, 0.4191, 0.3851 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, 131) }
```

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

```
.border{ border-color:rgb(255, 185, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5966, 0.4191, 0.3851 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, 131) }
```

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

```
.background{ background-color: rgb(255,  
185, 131) }
```

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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