

# Converting Colors

$Y_{xy}(58.5993, 0.4185, 0.3885)$

Have a look what the booklet for  
Yxy(58.5993, 0.4185, 0.3885)  
contains.

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# Color

**Yxy(58.4124, 0.4188, 0.3881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBB82
RGB	255, 187, 130
RGB Percent	100%, 73%, 51%
CMY	0.0001, 0.2666, 0.4903
CMYK	0.00, 0.27, 0.49, 0.00
HSL	27°, 100%, 75%
HSV	27°, 49%, 100%
XYZ	63.0330, 58.4124, 29.0632
YIQ	200.8340, 58.8250, -3.3110

# Conversions

## Conversions Part 2

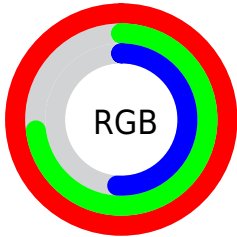
Format	Color
R <sub>Y</sub> B	255, 235, 130
Decimal	16759682
CIE Lab	80.97, 18.06, 38.41
CIE LCh	81, 42.448, 64.815
Yxy	58.4124, 0.4188, 0.3881
Android (android.graphics.Color)	4294949762 (0xFFFFBB82)
YUV	200.8340, -34.9212, 47.5036
Hunter-Lab	76.4280, 13.4666, 30.9534

# Details

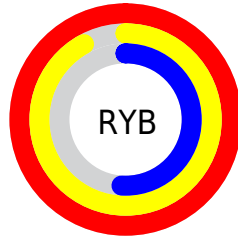
The Yxy color **58.4124, 0.4188, 0.3881** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.3241, 0.2349, 0.2591**, and the grayscale version is **58.4937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8219, 0.3579, 0.3880**, and **29.3505, 0.4456, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **52.2117, 0.4478, 0.3981**, and if you desaturate by 10%, it is **65.3563, 0.3919, 0.3764**.

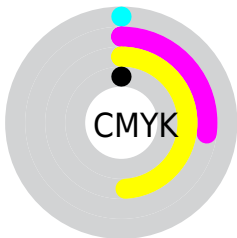
# Distribution



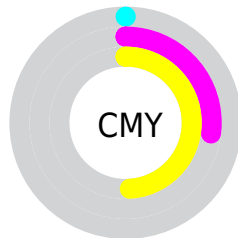
- Red (100%)
- Green (73%)
- Blue (51%)



- Red (100%)
- Yellow (92%)
- 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 58.4124, 0.4188, 0.3881 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 58.4124, 0.4188, 0.3881 by changing the saturation by 10% instead.




 58.4124, 0.4188,  
0.3881


 58.4124, 0.4188,  
0.3881


418.7209, 0.3681,  
0.3623


 42.1403, 0.4305,  
0.3933


 102.5232, 0.4010,  
0.3797

 29.2112, 0.4449,  
0.3992

 131.1306, 0.3942,  
0.3762

 19.2406, 0.4628,  
0.4059


 164.6186, 0.3883,  
0.3732

 11.8443, 0.4856,  
0.4129

203.3716, 0.3831,  
0.3705

 6.6377, 0.5147,  
0.4190

247.7739, 0.3787,  
0.3681

 3.2366, 0.5674,  
0.4326

298.2099, 0.3747,

 1.2565, 0.5945,

0.3660

0.4055

355.0641, 0.3712,  
0.3641

0.1071, 0.8352,  
0.1648

0.0000, 0.0000,  
0.0000

58.4124, 0.4188,  
0.3881

58.4124, 0.4188,  
0.3881

52.2117, 0.4478,  
0.3981

65.3563, 0.3919,  
0.3764

46.7169, 0.4777,  
0.4051

73.0617, 0.3676,  
0.3639

41.8995, 0.5069,  
0.4078

81.5566, 0.3462,  
0.3514

37.7246, 0.5330,  
0.4051

90.8650, 0.3274,  
0.3393

■ 34.1483, 0.5546,  
0.3971

99.9962, 0.3127,  
0.3290

■ 33.8275, 0.5566,  
0.3962

# Harmonies

## Analogous

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



58.4124, 0.4183, 0.3461



58.4124, 0.4188, 0.3881



58.4124, 0.3892, 0.4201

# Triad

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



58.4124, 0.4188, 0.3881



58.4124, 0.2421, 0.3509



58.4124, 0.2781, 0.2471

# Complementary

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



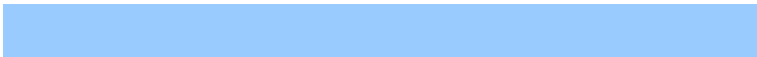
58.4124, 0.4188, 0.3881



52.3241, 0.2349, 0.2591

# 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.



58.4124, 0.2368, 0.2429



58.4124, 0.4188, 0.3881



58.4124, 0.2174, 0.2971

# Square

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



58.4124, 0.4188, 0.3881



58.4124, 0.2865, 0.4025



58.4124, 0.2158, 0.2592



58.4124, 0.3327, 0.2689



# Rectangle

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



58.4124, 0.4188, 0.3881



58.4124, 0.3579, 0.4291



58.4124, 0.2158, 0.2592



58.4124, 0.2624, 0.2436

# Sweetspot

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



58.4152, 0.4188, 0.3881



85.2184, 0.3383, 0.3465



41.3266, 0.3729, 0.2591



17.8277, 0.3424, 0.3490



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.



58.4152, 0.4188, 0.3881



52.2350, 0.4477, 0.3981



90.4520, 0.3877, 0.4436



19.3525, 0.3283, 0.3399



17.9687, 0.5539, 0.3984



1.9647, 0.5347, 0.4136



# Inverse Universe

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



52.3241, 0.2349, 0.2591



45.4611, 0.2204, 0.2417



29.6355, 0.2199, 0.1806



19.0144, 0.2979, 0.3179



13.6696, 0.1812, 0.1722



1.5495, 0.1865, 0.1915



# Previews

## White Background



This preview shows how the Yxy color 58.4124, 0.4188, 0.3881 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 58.4124, 0.4188, 0.3881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

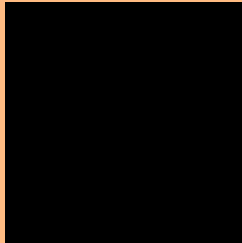
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.4124, 0.4188, 0.3881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.4124, 0.4188, 0.3881.



This preview shows how white text looks on a background with the Yxy color 58.4124, 0.4188, 0.3881.

# 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

58.4124, 0.4188, 0.3881

### Protanopia

58.4563, 0.3756, 0.4048

### Deuteranopia

58.3389, 0.4066, 0.3969



## Tritanopia

58.6109, 0.3658, 0.3166

# Trichromacy



**Original Color**

58.4124, 0.4188, 0.3881

**Protanomaly**

58.1900, 0.3905, 0.3986

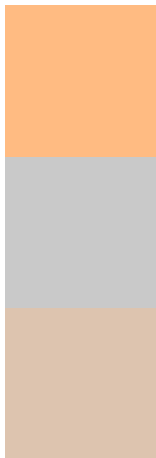
**Deuteranomaly**

58.1860, 0.4111, 0.3939

**Tritanomaly**

58.4813, 0.3854, 0.3429

# Monochromacy



**Original Color**

58.4124, 0.4188, 0.3881

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

57.9472, 0.3494, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4124, 0.4188, 0.3881 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, 187, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 130)  
}
```

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, 187, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4124, 0.4188, 0.3881 is called "border". The border property can be set on classes, ids or directly on the HTML element.

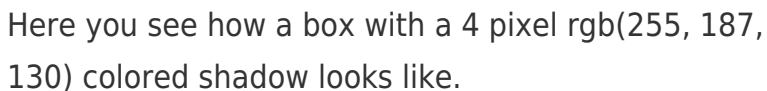
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 187, 130) }
```

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

```
.border{ border-color:rgb(255, 187, 130) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 187, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4124, 0.4188, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 130) }
```

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

```
.background{ background-color: rgb(255,  
187, 130) }
```

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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