

# Converting Colors

$Y_{xy}(100.0000, 0.5093, 0.3563)$

Have a look what the booklet for  
Yxy(100.0000, 0.5093, 0.3563)  
contains.

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# Color

**Yxy(59.6384, 0.4072, 0.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBD8F
RGB	255, 189, 143
RGB Percent	100%, 74%, 56%
CMY	0.0000, 0.2588, 0.4391
CMYK	0.00, 0.26, 0.44, 0.00
HSL	25°, 100%, 78%
HSV	25°, 44%, 100%
XYZ	64.3987, 59.6384, 34.1130
YIQ	203.4900, 54.1020, -0.3140

# Conversions

## Conversions Part 2

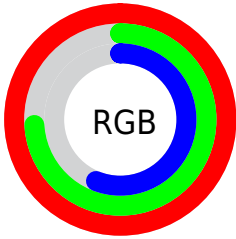
Format	Color
R <sub>Y</sub> B	255, 221, 143
Decimal	16760207
CIE Lab	81.64, 18.29, 32.51
CIE LCh	82, 37.300, 60.644
Yxy	59.6384, 0.4072, 0.3771
Android (android.graphics.Color)	4294950287 (0xFFFFBD8F)
YUV	203.4900, -29.8216, 45.1743
Hunter-Lab	77.2259, 13.7059, 27.8680

# Details

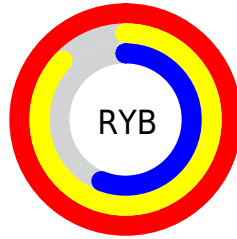
The Yxy color **59.6384, 0.4072, 0.3771** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.6739, 0.2438, 0.2741**, and the grayscale version is **60.2128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5960, 0.3492, 0.3768**, and **30.1168, 0.4307, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **52.8183, 0.4368, 0.3870**, and if you desaturate by 10%, it is **67.3076, 0.3805, 0.3661**.

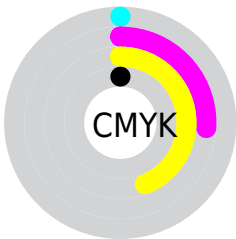
# Distribution



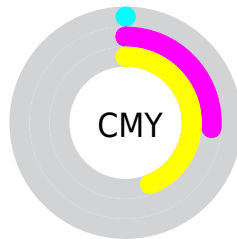
- Red (100%)
- Green (74%)
- Blue (56%)



- Red (100%)
- Yellow (87%)
- Blue (56%)



- Cyan (0%)
- Magenta (26%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6384, 0.4072, 0.3771 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 59.6384, 0.4072, 0.3771 by changing the saturation by 10% instead.





 59.6384, 0.4072,  
0.3771

 59.6384, 0.4072,  
0.3771

423.2636, 0.3619,  
0.3560

 43.1272, 0.4178,  
0.3814


 104.3049, 0.3912,  
0.3701

 29.9850, 0.4309,  
0.3865


 133.2291, 0.3851,  
0.3673

 19.8272, 0.4475,  
0.3923


167.0598, 0.3798,  
0.3648

 12.2695, 0.4690,  
0.3987

206.1812, 0.3753,  
0.3627

 6.9275, 0.4975,  
0.4052

250.9780, 0.3713,  
0.3607

 3.4168, 0.5439,  
0.4153

301.8344, 0.3678,

 1.3530, 0.5933,

0.3590

0.4067

359.1348, 0.3646,  
0.3574

0.1817, 0.7731,  
0.2269

0.0000, 0.0000,  
0.0000

59.6384, 0.4072,  
0.3771

59.6384, 0.4072,  
0.3771

52.8183, 0.4368,  
0.3870

67.3076, 0.3805,  
0.3661

46.8098, 0.4684,  
0.3947

75.8513, 0.3569,  
0.3547

41.5799, 0.5005,  
0.3987

85.2997, 0.3365,  
0.3436

37.0902, 0.5308,  
0.3979

95.6801, 0.3189,  
0.3330

■ 33.2978, 0.5566,  
0.3916

100.0000, 0.3127,  
0.3290

■ 31.3029, 0.5699,  
0.3857

# Harmonies

## Analogous

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



59.6384, 0.4024, 0.3396



59.6384, 0.4072, 0.3771



59.6384, 0.3850, 0.4063

# Triad

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



59.6384, 0.4072, 0.3771



59.6384, 0.2555, 0.3551



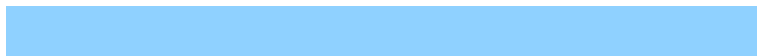
59.6384, 0.2766, 0.2549

# Complementary

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



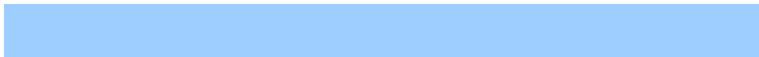
59.6384, 0.4072, 0.3771



58.6739, 0.2438, 0.2741

# 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.



59.6384, 0.2421, 0.2539



59.6384, 0.4072, 0.3771



59.6384, 0.2305, 0.3077

# Square

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



59.6384, 0.4072, 0.3771



59.6384, 0.2966, 0.3971



59.6384, 0.2260, 0.2717



59.6384, 0.3236, 0.2723



# Rectangle

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



59.6384, 0.4072, 0.3771



59.6384, 0.3591, 0.4156



59.6384, 0.2260, 0.2717



59.6384, 0.2633, 0.2526

# Sweetspot

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



59.6401, 0.4072, 0.3771



86.2072, 0.3348, 0.3426



45.5760, 0.3586, 0.2606



17.9845, 0.3390, 0.3450



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.



59.6401, 0.4072, 0.3771



53.4061, 0.4340, 0.3862



87.8265, 0.3826, 0.4282



19.2120, 0.3284, 0.3388



16.6329, 0.5670, 0.3880

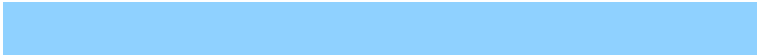


1.8282, 0.5465, 0.4043



# Inverse Universe

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



58.6739, 0.2438, 0.2741



52.2829, 0.2306, 0.2603



36.2466, 0.2319, 0.2052



19.1575, 0.2979, 0.3190



15.5210, 0.1856, 0.1882



1.7265, 0.1905, 0.2059



# Previews

## White Background



This preview shows how the Yxy color 59.6384, 0.4072, 0.3771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

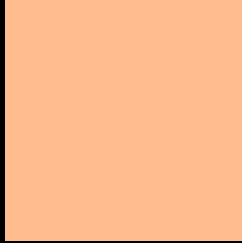
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.6384, 0.4072, 0.3771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

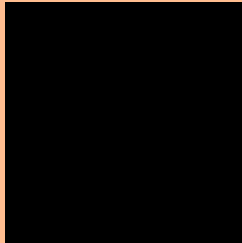
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.6384, 0.4072, 0.3771**

## Background



This preview shows how black text looks on a background with the Yxy color 59.6384, 0.4072, 0.3771.



This preview shows how white text looks on a background with the Yxy color 59.6384, 0.4072, 0.3771.

# 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

59.6384, 0.4072, 0.3771

### Protanopia

59.7872, 0.3652, 0.3920

### Deuteranopia

59.8605, 0.3941, 0.3867



## Tritanopia

59.5722, 0.3627, 0.3156

# Trichromacy



**Original Color**

59.6384, 0.4072, 0.3771

**Protanomaly**

59.4837, 0.3796, 0.3865

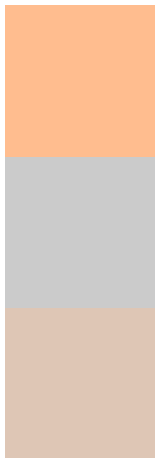
**Deuteranomaly**

59.8671, 0.3993, 0.3837

**Tritanomaly**

59.5521, 0.3795, 0.3386

# Monochromacy



**Original Color**

59.6384, 0.4072, 0.3771

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

59.2540, 0.3451, 0.3486

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6384, 0.4072, 0.3771 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, 189, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 143)  
}
```

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, 189, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6384, 0.4072, 0.3771 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, 189, 143) }
```

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

```
.border{ border-color:rgb(255, 189, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6384, 0.4072, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 143) }
```

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

```
.background{ background-color: rgb(255,  
189, 143) }
```

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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