

# Converting Colors

$Y_{xy}(71.6159, 0.4266, 0.3726)$

Have a look what the booklet for  
Yxy(71.6159, 0.4266, 0.3726)  
contains.

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# Color

**Yxy(63.8825, 0.3966, 0.3781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC697
RGB	255, 198, 151
RGB Percent	100%, 78%, 59%
CMY	0.0001, 0.2234, 0.4079
CMYK	0.00, 0.22, 0.41, 0.00
HSL	27°, 100%, 80%
HSV	27°, 41%, 100%
XYZ	67.0082, 63.8825, 38.0659
YIQ	209.6850, 49.0590, -2.5330

# Conversions

## Conversions Part 2

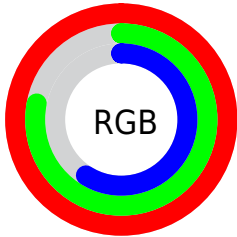
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 237, 151
Decimal	16762519
CIE <sub>Lab</sub>	83.90, 14.38, 31.36
CIE <sub>LCh</sub>	84, 34.498, 65.359
Yxy	63.8825, 0.3966, 0.3781
Android (android.graphics.Color)	4294952599 (0xFFFFC697)
YUV	209.6850, -28.9317, 39.7413
Hunter-Lab	79.9265, 9.7781, 27.7110

# Details

The Yxy color **63.8825, 0.3966, 0.3781** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.8649, 0.2477, 0.2734**, and the grayscale version is **64.3998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **32.6024, 0.4164, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **57.0530, 0.4241, 0.3895**, and if you desaturate by 10%, it is **71.4855, 0.3718, 0.3658**.

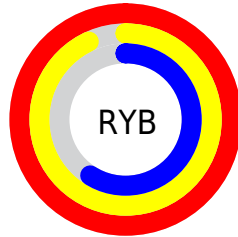
# Distribution



Red (100%)

Green (78%)

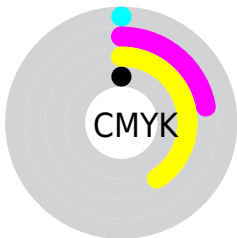
Blue (59%)



Red (100%)

Yellow (93%)

Blue (59%)

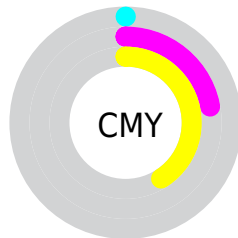


Cyan (0%)

Magenta (22%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8825, 0.3966, 0.3781 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 63.8825, 0.3966, 0.3781 by changing the saturation by 10% instead.




 63.8825, 0.3966,  
0.3781

 63.8825, 0.3966,  
0.3781


438.7652, 0.3568,  
0.3563

 46.5555, 0.4058,  
0.3827

 110.4417, 0.3827,  
0.3708

 32.6844, 0.4171,  
0.3881


 140.4427, 0.3773,  
0.3679

 21.8848, 0.4314,  
0.3946


175.4372, 0.3727,  
0.3653

 13.7723, 0.4498,  
0.4022

215.8095, 0.3687,  
0.3631

 7.9624, 0.4742,  
0.4109

261.9441, 0.3652,  
0.3611

 4.0709, 0.5084,  
0.4204

314.2253, 0.3621,

 1.7133, 0.5663,

0.3593

0.4337

373.0375, 0.3593,  
0.3578

0.4323, 0.6380,  
0.3620

0.0000, 0.0000,  
0.0000

63.8825, 0.3966,  
0.3781

63.8825, 0.3966,  
0.3781

57.0530, 0.4241,  
0.3895

71.4855, 0.3718,  
0.3658

50.9605, 0.4535,  
0.3990

79.8787, 0.3498,  
0.3534

45.5784, 0.4836,  
0.4053

89.0895, 0.3306,  
0.3413

40.8744, 0.5126,  
0.4070

99.1414, 0.3139,  
0.3299

■ 36.8126, 0.5382,  
0.4032

99.9930, 0.3127,  
0.3290

■ 33.5956, 0.5578,  
0.3953

# Harmonies

## Analogous

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



63.8825, 0.3961, 0.3446



63.8825, 0.3966, 0.3781



63.8825, 0.3735, 0.4019

# Triad

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



63.8825, 0.3966, 0.3781



63.8825, 0.2561, 0.3458



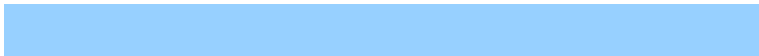
63.8825, 0.2863, 0.2629

# Complementary

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



63.8825, 0.3966, 0.3781



58.8649, 0.2477, 0.2734

# 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.



63.8825, 0.2524, 0.2597



63.8825, 0.3966, 0.3781



63.8825, 0.2360, 0.3040

# Square

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



63.8825, 0.3966, 0.3781



63.8825, 0.2919, 0.3852



63.8825, 0.2347, 0.2735



63.8825, 0.3298, 0.2810



# Rectangle

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



63.8825, 0.3966, 0.3781



63.8825, 0.3488, 0.4075



63.8825, 0.2347, 0.2735



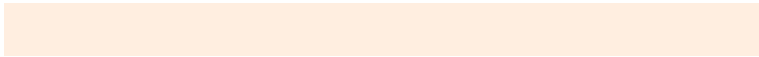
63.8825, 0.2735, 0.2601

# Sweetspot

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



63.8855, 0.3966, 0.3781



87.9552, 0.3328, 0.3427



47.9408, 0.3592, 0.2704



18.5611, 0.3352, 0.3443



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.



63.8855, 0.3966, 0.3781



58.2367, 0.4190, 0.3876



91.7109, 0.3758, 0.4259



19.3406, 0.3283, 0.3398



17.8492, 0.5550, 0.3975



1.9527, 0.5357, 0.4129



# Inverse Universe

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



58.8649, 0.2477, 0.2734



52.5721, 0.2350, 0.2598



37.6304, 0.2374, 0.2091



19.0265, 0.2979, 0.3180



13.8190, 0.1816, 0.1736



1.5639, 0.1869, 0.1927



# Previews

## White Background



This preview shows how the Yxy color 63.8825, 0.3966, 0.3781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

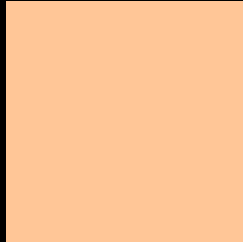
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8825, 0.3966, 0.3781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

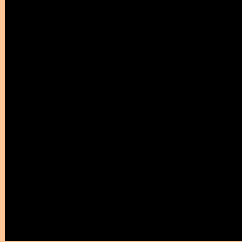
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.8825, 0.3966, 0.3781**

## Background



This preview shows how black text looks on a background with the Yxy color 63.8825, 0.3966, 0.3781.



This preview shows how white text looks on a background with the Yxy color 63.8825, 0.3966, 0.3781.

# 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

63.8825, 0.3966, 0.3781

### Protanopia

64.0088, 0.3638, 0.3891

### Deuteranopia

64.1150, 0.3911, 0.3831



## Tritanopia

63.8562, 0.3533, 0.3157

# Trichromacy



**Original Color**

63.8825, 0.3966, 0.3781

**Protanomaly**

63.8286, 0.3757, 0.3852

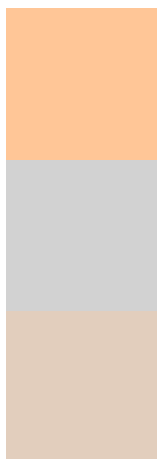
**Deuteranomaly**

64.0198, 0.3932, 0.3818

**Tritanomaly**

63.8354, 0.3692, 0.3385

# Monochromacy



**Original Color**

63.8825, 0.3966, 0.3781

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

63.9855, 0.3407, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8825, 0.3966, 0.3781 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, 198, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 151)  
}
```

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, 198, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8825, 0.3966, 0.3781 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, 198, 151) }
```

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

```
.border{ border-color:rgb(255, 198, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 198, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 198, 151); box-shadow:4px 4px 4px 4px rgb(255, 198, 151) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8825, 0.3966, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 151) }
```

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

```
.background{ background-color: rgb(255,  
198, 151) }
```

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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