

# Converting Colors

$Y_{xy}(64.2511, 0.3832, 0.3864)$

Have a look what the booklet for  
Yxy(64.2511, 0.3832, 0.3864)  
contains.

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# Color

**Yxy(64.2973, 0.3833, 0.3864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CC97
RGB	242, 204, 151
RGB Percent	95%, 80%, 59%
CMY	0.0512, 0.1999, 0.4079
CMYK	0.00, 0.16, 0.38, 0.05
HSL	35°, 78%, 77%
HSV	35°, 38%, 95%
XYZ	63.7815, 64.2973, 38.3221
YIQ	209.3200, 39.6610, -8.4270

# Conversions

## Conversions Part 2

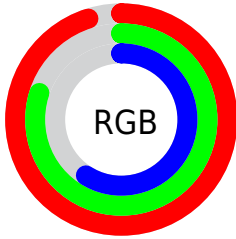
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 242, 151
Decimal	15912087
CIE <sub>Lab</sub>	84.12, 6.19, 31.41
CIE <sub>LCh</sub>	84, 32.018, 78.848
Yxy	64.2973, 0.3833, 0.3864
Android (android.graphics.Color)	4294102167 (0xFFFF2CC97)
YUV	209.3200, -28.7518, 28.6604
Hunter-Lab	80.1856, 1.6582, 27.7942

# Details

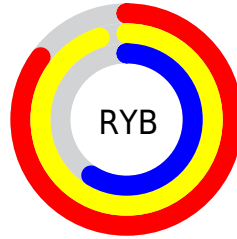
The Yxy color **64.2973, 0.3833, 0.3864** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.3402, 0.2507, 0.2634**, and the grayscale version is **64.1504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **32.9039, 0.4003, 0.4000** is the 20% darker color. If you saturate the color by 10%, you get **58.9521, 0.4064, 0.4013**, and if you desaturate by 10%, it is **70.1203, 0.3618, 0.3708**.

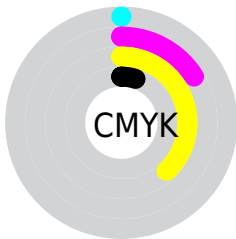
# Distribution



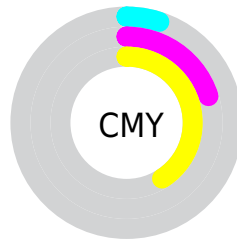
- Red (95%)
- Green (80%)
- Blue (59%)



- Red (85%)
- Yellow (95%)
- Blue (59%)



- Cyan (0%)
- Magenta (16%)
- Yellow (38%)
- Black (5%)



- Cyan (5%)
- Magenta (20%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2973, 0.3833, 0.3864 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 64.2973, 0.3833, 0.3864 by changing the saturation by 10% instead.





 64.2973, 0.3833,  
0.3864

 64.2973, 0.3833,  
0.3864


440.2625, 0.3501,  
0.3601

 46.8915, 0.3909,  
0.3922


 111.0390, 0.3717,  
0.3774

 32.9499, 0.4003,  
0.3993


 141.1437, 0.3672,  
0.3739

 22.0881, 0.4120,  
0.4079


176.2501, 0.3634,  
0.3708

 13.9216, 0.4271,  
0.4186

216.7427, 0.3600,  
0.3681

 8.0662, 0.4468,  
0.4319

263.0058, 0.3571,  
0.3657

 4.1373, 0.4741,  
0.4488

315.4239, 0.3545,

 1.7507, 0.5222,

0.3637

0.4778

374.3813, 0.3522,  
0.3618

0.4561, 0.5618,  
0.4382

0.0000, 0.0000,  
0.0000

64.2973, 0.3833,  
0.3864

64.2973, 0.3833,  
0.3864

58.9521, 0.4064,  
0.4013

70.1203, 0.3618,  
0.3708

54.0599, 0.4305,  
0.4146

76.4270, 0.3423,  
0.3551

49.6067, 0.4547,  
0.4249

83.2341, 0.3247,  
0.3400

45.5739, 0.4776,  
0.4311

90.5550, 0.3091,  
0.3256

■ 41.9402, 0.4980,  
0.4322

■ 97.2611, 0.3047,  
0.3284

■ 38.6794, 0.5148,  
0.4279

■ 97.6072, 0.3047,  
0.3290

■ 37.9422, 0.5186,  
0.4265

# Harmonies

## Analogous

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



64.2973, 0.3930, 0.3584



64.2973, 0.3833, 0.3864



64.2973, 0.3544, 0.4010

# Triad

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



64.2973, 0.3833, 0.3864



64.2973, 0.2496, 0.3267



64.2973, 0.3059, 0.2734

# Complementary

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



64.2973, 0.3833, 0.3864



49.3402, 0.2507, 0.2634

# 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.



64.2973, 0.2693, 0.2639



64.2973, 0.3833, 0.3864



64.2973, 0.2385, 0.2916

# Square

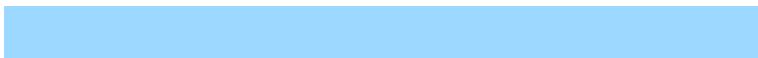
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.2973, 0.3833, 0.3864



64.2973, 0.2772, 0.3658



64.2973, 0.2454, 0.2697



64.2973, 0.3468, 0.2955



# Rectangle

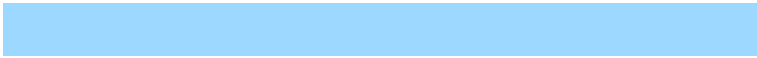
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2973, 0.3833, 0.3864



64.2973, 0.3288, 0.3991



64.2973, 0.2454, 0.2697



64.2973, 0.2927, 0.2687

# Sweetspot

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



64.3003, 0.3833, 0.3864



91.0884, 0.3305, 0.3451



44.7326, 0.3647, 0.2862



19.2720, 0.3329, 0.3471



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.



64.3003, 0.3833, 0.3864



67.8664, 0.4006, 0.3978



83.5167, 0.3648, 0.4240



17.2904, 0.3279, 0.3428



20.6697, 0.5165, 0.4281



1.9155, 0.5002, 0.4410



# Inverse Universe

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



49.3402, 0.2507, 0.2634



48.8200, 0.2378, 0.2475



35.7109, 0.2479, 0.2159



16.3114, 0.2980, 0.3149



8.6870, 0.1698, 0.1314

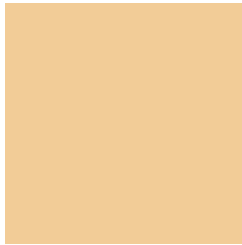


0.9147, 0.1770, 0.1571



# Previews

## White Background



This preview shows how the Yxy color 64.2973, 0.3833, 0.3864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

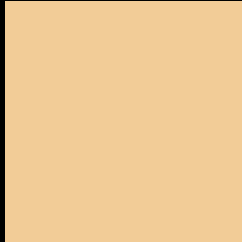
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2973, 0.3833, 0.3864 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

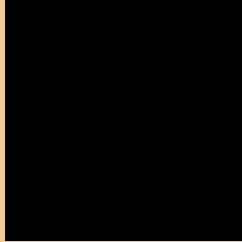
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.2973, 0.3833, 0.3864**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2973, 0.3833, 0.3864.



This preview shows how white text looks on a background with the Yxy color 64.2973, 0.3833, 0.3864.

# 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

64.2973, 0.3833, 0.3864

### Protanopia

64.5618, 0.3665, 0.3933

### Deuteranopia

64.1800, 0.3896, 0.3810



## Tritanopia

64.1395, 0.3431, 0.3134

# Trichromacy



## Original Color

64.2973, 0.3833, 0.3864

## Protanomaly

64.5346, 0.3728, 0.3912

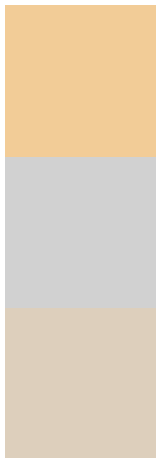
## Deuteranomaly

64.1009, 0.3867, 0.3826

## Tritanomaly

64.1138, 0.3583, 0.3398

# Monochromacy



## Original Color

64.2973, 0.3833, 0.3864

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.6286, 0.3373, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2973, 0.3833, 0.3864 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(242, 204, 151)` looks like.

```
.text, #text, p{  
    color:rgb(242, 204, 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(242, 204, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 204, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2973, 0.3833, 0.3864 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(242, 204, 151) }
```

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

```
.border{ border-color:rgb(242, 204, 151) }
```

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

Here you see how a box with a 4 pixel rgb(242, 204, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 204, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 204, 151);  
box-shadow:4px 4px 4px 4px rgb(242, 204,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2973, 0.3833, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 204, 151) }
```

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

```
.background{ background-color: rgb(242,  
204, 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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