

# Converting Colors

$Yxy(63.5247, 0.3841, 0.3706)$

Have a look what the booklet for  
Yxy(63.5247, 0.3841, 0.3706)  
contains.

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# Color

**Yxy(63.5247, 0.3841, 0.3706)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F9C7A0
RGB	249, 199, 160
RGB Percent	98%, 78%, 63%
CMY	0.0235, 0.2196, 0.3726
CMYK	0.00, 0.20, 0.36, 0.02
HSL	26°, 88%, 80%
HSV	26°, 36%, 98%
XYZ	65.8387, 63.5247, 42.0470
YIQ	209.5040, 42.3190, -1.5290

# Conversions

## Conversions Part 2

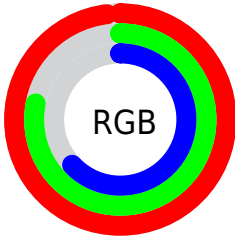
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 229, 160
Decimal	16369568
CIE Lab	83.72, 12.59, 26.28
CIE LCh	84, 29.142, 64.415
Yxy	63.5247, 0.3841, 0.3706
Android (android.graphics.Color)	4294559648 (0xFFFF9C7A0)
YUV	209.5040, -24.4055, 34.6380
Hunter-Lab	79.7024, 7.9721, 24.5132

# Details

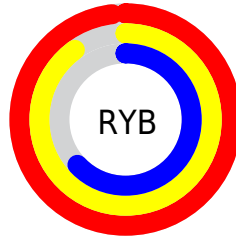
The Yxy color **63.5247, 0.3841, 0.3706** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.4113, 0.2560, 0.2830**, and the grayscale version is **64.2511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **32.4099, 0.4020, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **56.5968, 0.4106, 0.3822**, and if you desaturate by 10%, it is **71.2250, 0.3605, 0.3585**.

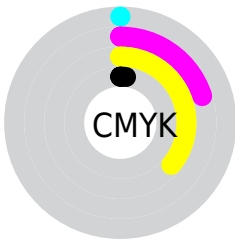
# Distribution



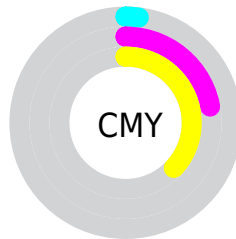
- Red (98%)
- Green (78%)
- Blue (63%)



- Red (98%)
- Yellow (90%)
- Blue (63%)



- Cyan (0%)
- Magenta (20%)
- Yellow (36%)
- Black (2%)



- Cyan (2%)
- Magenta (22%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5247, 0.3841, 0.3706 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 63.5247, 0.3841, 0.3706 by changing the saturation by 10% instead.





 63.5247, 0.3841,  
0.3706


 63.5247, 0.3841,  
0.3706

437.4712, 0.3501,  
0.3519

 46.2658, 0.3920,  
0.3747


 109.9261, 0.3722,  
0.3643

 32.4556, 0.4018,  
0.3795


 139.8375, 0.3676,  
0.3617

 21.7098, 0.4144,  
0.3855


174.7351, 0.3636,  
0.3596

 13.6438, 0.4307,  
0.3927

215.0034, 0.3602,  
0.3576

 7.8733, 0.4528,  
0.4015

261.0268, 0.3572,  
0.3559

 4.0140, 0.4838,  
0.4114

313.1896, 0.3546,

 1.6814, 0.5573,

0.3544

0.4427

371.8763, 0.3522,  
0.3531

0.4116, 0.6292,  
0.3708

0.0000, 0.0000,  
0.0000

63.5247, 0.3841,  
0.3706

63.5247, 0.3841,  
0.3706

56.5968, 0.4106,  
0.3822

71.2250, 0.3605,  
0.3585

50.4059, 0.4396,  
0.3925

79.7137, 0.3398,  
0.3466

44.9270, 0.4702,  
0.4002

89.0173, 0.3219,  
0.3352

40.1296, 0.5007,  
0.4041

98.8583, 0.3090,  
0.3290

■ 35.9802, 0.5290,  
0.4029

■ 98.8822, 0.3090,  
0.3290

■ 32.4405, 0.5528,  
0.3962

■ 31.1031, 0.5617,  
0.3922

# Harmonies

## Analogous

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



63.5247, 0.3827, 0.3420



63.5247, 0.3841, 0.3706



63.5247, 0.3654, 0.3905

# Triad

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



63.5247, 0.3841, 0.3706



63.5247, 0.2654, 0.3445



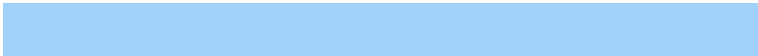
63.5247, 0.2894, 0.2720

# Complementary

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



63.5247, 0.3841, 0.3706



60.4113, 0.2560, 0.2830

# 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.



63.5247, 0.2606, 0.2699



63.5247, 0.3841, 0.3706



63.5247, 0.2474, 0.3094

# Square

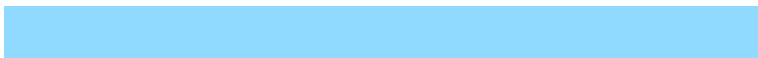
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.5247, 0.3841, 0.3706



63.5247, 0.2964, 0.3769



63.5247, 0.2457, 0.2827



63.5247, 0.3262, 0.2872



# Rectangle

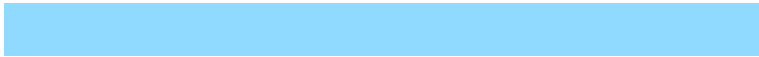
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.5247, 0.3841, 0.3706



63.5247, 0.3448, 0.3951



63.5247, 0.2457, 0.2827



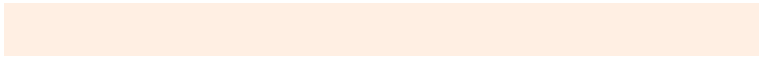
63.5247, 0.2785, 0.2697

# Sweetspot

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



63.5277, 0.3841, 0.3706



88.6773, 0.3310, 0.3412



49.9579, 0.3502, 0.2762



18.6977, 0.3335, 0.3427



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.



63.5277, 0.3841, 0.3706



61.6302, 0.4032, 0.3792



86.8286, 0.3686, 0.4130



18.4766, 0.3283, 0.3394



16.9186, 0.5590, 0.3944

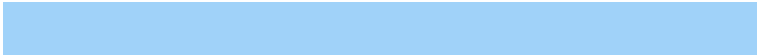


1.7739, 0.5383, 0.4108

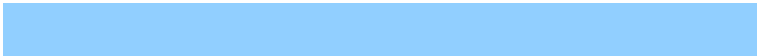


# Inverse Universe

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



60.4113, 0.2560, 0.2830



57.8752, 0.2446, 0.2717



41.5612, 0.2484, 0.2283



18.2611, 0.2980, 0.3183



13.9727, 0.1830, 0.1787



1.5052, 0.1884, 0.1982



# Previews

## White Background



This preview shows how the Yxy color 63.5247, 0.3841, 0.3706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

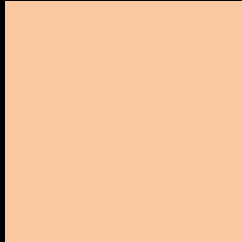
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.5247, 0.3841, 0.3706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

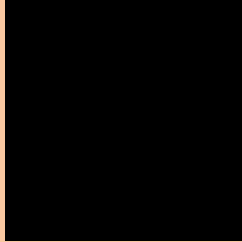
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.5247, 0.3841, 0.3706**

## Background



This preview shows how black text looks on a background with the Yxy color 63.5247, 0.3841, 0.3706.



This preview shows how white text looks on a background with the Yxy color 63.5247, 0.3841, 0.3706.

# 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

63.5247, 0.3841, 0.3706

### Protanopia

63.8109, 0.3555, 0.3804

### Deuteranopia

63.4394, 0.3812, 0.3720



## Tritanopia

63.2751, 0.3518, 0.3136

# Trichromacy



**Original Color**

63.5247, 0.3841, 0.3706

**Protanomaly**

63.4628, 0.3656, 0.3759

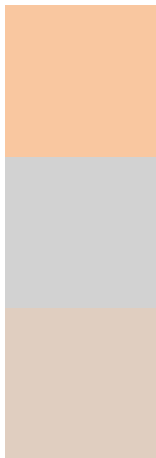
**Deuteranomaly**

63.6208, 0.3820, 0.3719

**Tritanomaly**

63.4434, 0.3634, 0.3344

# Monochromacy



**Original Color**

63.5247, 0.3841, 0.3706

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

63.7957, 0.3369, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5247, 0.3841, 0.3706 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(249, 199, 160)` looks like.

```
.text, #text, p{  
    color:rgb(249, 199, 160)  
}
```

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(249, 199, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 199, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5247, 0.3841, 0.3706 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(249, 199, 160) }
```

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

```
.border{ border-color:rgb(249, 199, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 199, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 199, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 199, 160);  
box-shadow:4px 4px 4px 4px rgb(249, 199,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5247, 0.3841, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 199, 160) }
```

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

```
.background{ background-color: rgb(249,  
199, 160) }
```

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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