

# Converting Colors

$Y_{xy}(76.3328, 0.4474, 0.3789)$

Have a look what the booklet for  
Yxy(76.3328, 0.4474, 0.3789)  
contains.

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# Color

**Yxy(64.0299, 0.4039, 0.3891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC78D
RGB	255, 199, 141
RGB Percent	100%, 78%, 55%
CMY	0.0001, 0.2195, 0.4470
CMYK	0.00, 0.22, 0.45, 0.00
HSL	31°, 100%, 78%
HSV	31°, 45%, 100%
XYZ	66.4654, 64.0299, 34.0637
YIQ	209.1320, 51.9940, -6.1660

# Conversions

## Conversions Part 2

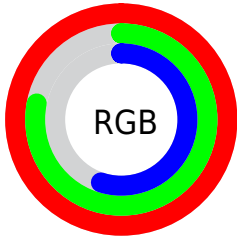
Format	Color
R <sub>Y</sub> B	251, 255, 141
Decimal	16762765
CIE Lab	83.98, 12.85, 36.61
CIE LCh	84, 38.799, 70.663
Yxy	64.0299, 0.4039, 0.3891
Android (android.graphics.Color)	4294952845 (0xFFFFC78D)
YUV	209.1320, -33.5891, 40.2262
Hunter-Lab	80.0187, 8.2335, 30.7735

# Details

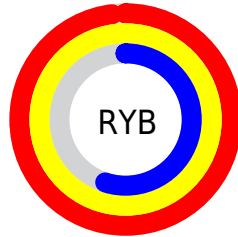
The Yxy color **64.0299, 0.4039, 0.3891** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.8074, 0.2402, 0.2589**, and the grayscale version is **64.0511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **32.7247, 0.4256, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **57.8316, 0.4303, 0.4013**, and if you desaturate by 10%, it is **70.8832, 0.3794, 0.3756**.

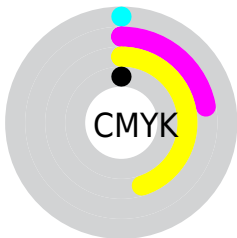
# Distribution



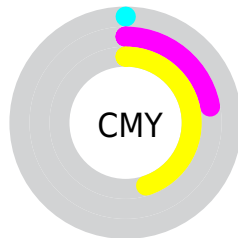
- Red (100%)
- Green (78%)
- Blue (55%)



- Red (98%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (22%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0299, 0.4039, 0.3891 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 64.0299, 0.4039, 0.3891 by changing the saturation by 10% instead.




 64.0299, 0.4039,  
0.3891


 64.0299, 0.4039,  
0.3891


439.2976, 0.3610,  
0.3625

 46.6749, 0.4137,  
0.3947


 110.6540, 0.3890,  
0.3802

 32.7787, 0.4256,  
0.4012


 140.6919, 0.3832,  
0.3766

 21.9570, 0.4405,  
0.4090


 175.7262, 0.3782,  
0.3735

 13.8253, 0.4594,  
0.4179

216.1413, 0.3738,  
0.3708

 7.9993, 0.4837,  
0.4277

262.3216, 0.3700,  
0.3683

 4.0945, 0.5218,  
0.4424

314.6515, 0.3667,

 1.7265, 0.5581,

0.3662

0.4419

373.5153, 0.3637,  
0.3642

0.4408, 0.6243,  
0.3757

0.0000, 0.0000,  
0.0000

64.0299, 0.4039,  
0.3891

64.0299, 0.4039,  
0.3891

57.8316, 0.4303,  
0.4013

70.8832, 0.3794,  
0.3756

52.2556, 0.4577,  
0.4109

78.4042, 0.3572,  
0.3617

47.2794, 0.4848,  
0.4168

86.6167, 0.3374,  
0.3480

42.8749, 0.5098,  
0.4177

95.5404, 0.3201,  
0.3349

■ 39.0096, 0.5311,  
0.4130

99.9951, 0.3127,  
0.3290

■ 37.1572, 0.5409,  
0.4087

# Harmonies

## Analogous

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



64.0299, 0.4087, 0.3527



64.0299, 0.4039, 0.3891



64.0299, 0.3737, 0.4135

# Triad

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



64.0299, 0.4039, 0.3891



64.0299, 0.2440, 0.3389



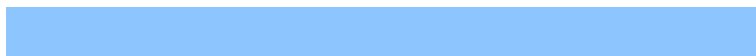
64.0299, 0.2910, 0.2581

# Complementary

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



64.0299, 0.4039, 0.3891



52.8074, 0.2402, 0.2589

# 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.



64.0299, 0.2508, 0.2511



64.0299, 0.4039, 0.3891



64.0299, 0.2254, 0.2932

# Square

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



64.0299, 0.4039, 0.3891



64.0299, 0.2810, 0.3859



64.0299, 0.2279, 0.2626



64.0299, 0.3405, 0.2805



# Rectangle

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



64.0299, 0.4039, 0.3891



64.0299, 0.3445, 0.4173



64.0299, 0.2279, 0.2626



64.0299, 0.2761, 0.2539

# Sweetspot

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



64.0330, 0.4039, 0.3891



88.0956, 0.3343, 0.3457



44.3890, 0.3714, 0.2705



18.4494, 0.3384, 0.3487



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.



64.0330, 0.4039, 0.3891



58.2530, 0.4284, 0.4005



94.6822, 0.3793, 0.4391



19.5154, 0.3281, 0.3411



19.7196, 0.5384, 0.4107

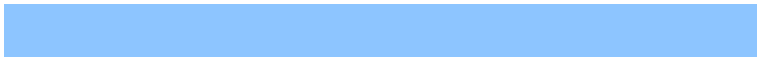


2.1387, 0.5212, 0.4244



# Inverse Universe

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



52.8074, 0.2402, 0.2589



45.6877, 0.2255, 0.2409



31.9399, 0.2279, 0.1887



18.8508, 0.2979, 0.3166



11.7635, 0.1762, 0.1544



1.3634, 0.1820, 0.1752



# Previews

## White Background



This preview shows how the Yxy color 64.0299, 0.4039, 0.3891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

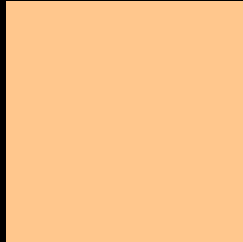
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0299, 0.4039, 0.3891 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 64.0299, 0.4039, 0.3891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0299, 0.4039, 0.3891.



This preview shows how white text looks on a background with the Yxy color 64.0299, 0.4039, 0.3891.

# 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

64.0299, 0.4039, 0.3891

### Protanopia

64.4684, 0.3731, 0.4020

### Deuteranopia

64.2056, 0.3997, 0.3919



## Tritanopia

63.8562, 0.3533, 0.3157

# Trichromacy



## Original Color

64.0299, 0.4039, 0.3891

## Protanomaly

64.1608, 0.3836, 0.3968

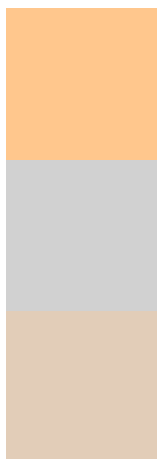
## Deuteranomaly

63.9271, 0.4010, 0.3907

## Tritanomaly

63.6676, 0.3725, 0.3427

# Monochromacy



## Original Color

64.0299, 0.4039, 0.3891

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.2921, 0.3447, 0.3527

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0299, 0.4039, 0.3891 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, 199, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 141)  
}
```

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, 199, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0299, 0.4039, 0.3891 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, 199, 141) }
```

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

```
.border{ border-color:rgb(255, 199, 141) }
```

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

Here you see how a box with a 4 pixel rgb(255, 199, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0299, 0.4039, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 141) }
```

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

```
.background{ background-color: rgb(255,  
199, 141) }
```

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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