

# Converting Colors

$Y_{xy}(103.3888, 0.4928, 0.3585)$

Have a look what the booklet for  
Yxy(103.3888, 0.4928, 0.3585)  
contains.

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# Color

**Yxy(64.9016, 0.3934, 0.3770)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC89A
RGB	255, 200, 154
RGB Percent	100%, 78%, 60%
CMY	0.0000, 0.2156, 0.3961
CMYK	0.00, 0.22, 0.40, 0.00
HSL	27°, 100%, 80%
HSV	27°, 40%, 100%
XYZ	67.7249, 64.9016, 39.5263
YIQ	211.2010, 47.5460, -2.6460

# Conversions

## Conversions Part 2

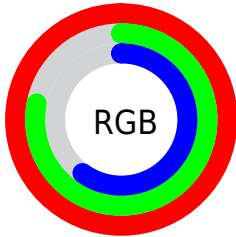
Format	Color
R <sub>Y</sub> B	255, 238, 154
Decimal	16763034
CIE Lab	84.43, 13.69, 30.49
CIE LCh	84, 33.420, 65.824
Yxy	64.9016, 0.3934, 0.3770
Android (android.graphics.Color)	4294953114 (0xFFFFC89A)
YUV	211.2010, -28.2001, 38.4117
Hunter-Lab	80.5615, 9.0752, 27.3033

# Details

The Yxy color **64.9016, 0.3934, 0.3770** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.6797, 0.2495, 0.2749**, and the grayscale version is **65.4488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **33.2528, 0.4130, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **58.0020, 0.4205, 0.3887**, and if you desaturate by 10%, it is **72.5717, 0.3689, 0.3646**.

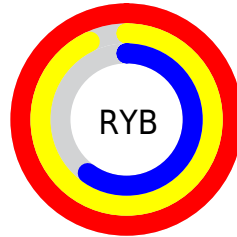
# Distribution



Red (100%)

Green (78%)

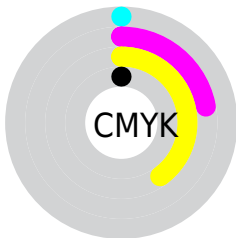
Blue (60%)



Red (100%)

Yellow (93%)

Blue (60%)

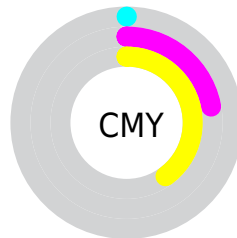


Cyan (0%)

Magenta (22%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9016, 0.3934, 0.3770 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 64.9016, 0.3934, 0.3770 by changing the saturation by 10% instead.




 64.9016, 0.3934,  
0.3770


 64.9016, 0.3934,  
0.3770


442.4383, 0.3552,  
0.3557

 47.3813, 0.4022,  
0.3815


 111.9084, 0.3801,  
0.3698

 33.3372, 0.4130,  
0.3869


 142.1636, 0.3749,  
0.3670

 22.3849, 0.4267,  
0.3933


177.4327, 0.3705,  
0.3645

 14.1400, 0.4444,  
0.4010

218.0999, 0.3666,  
0.3623

 8.2181, 0.4679,  
0.4099

264.5496, 0.3632,  
0.3604

 4.2348, 0.5001,  
0.4194

317.1664, 0.3603,

 1.8058, 0.5614,

0.3586

0.4386

376.3345, 0.3576,  
0.3571

0.4908, 0.6200,  
0.3800

0.0000, 0.0000,  
0.0000

64.9016, 0.3934,  
0.3770

64.9016, 0.3934,  
0.3770

58.0020, 0.4205,  
0.3887

72.5717, 0.3689,  
0.3646

51.8366, 0.4496,  
0.3985

81.0285, 0.3473,  
0.3521

46.3796, 0.4796,  
0.4053

90.2990, 0.3285,  
0.3400

41.5995, 0.5086,  
0.4077

99.9989, 0.3127,  
0.3290

■ 37.4609, 0.5346,  
0.4046

■ 33.9179, 0.5560,  
0.3964

■ 33.7899, 0.5568,  
0.3961

# Harmonies

## Analogous

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



64.9016, 0.3932, 0.3448



64.9016, 0.3934, 0.3770



64.9016, 0.3709, 0.3996

# Triad

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



64.9016, 0.3934, 0.3770



64.9016, 0.2577, 0.3446



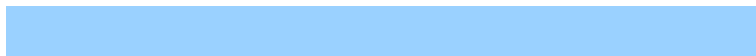
64.9016, 0.2879, 0.2653

# Complementary

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



64.9016, 0.3934, 0.3770



59.6797, 0.2495, 0.2749

# 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.



64.9016, 0.2549, 0.2620



64.9016, 0.3934, 0.3770



64.9016, 0.2384, 0.3045

# Square

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



64.9016, 0.3934, 0.3770



64.9016, 0.2921, 0.3826



64.9016, 0.2375, 0.2752



64.9016, 0.3299, 0.2830



# Rectangle

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



64.9016, 0.3934, 0.3770



64.9016, 0.3470, 0.4045



64.9016, 0.2375, 0.2752



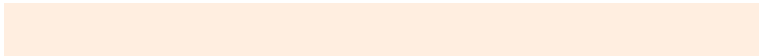
64.9016, 0.2755, 0.2625

# Sweetspot

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



64.9047, 0.3934, 0.3770



88.0115, 0.3327, 0.3428



48.9986, 0.3574, 0.2721



18.5744, 0.3351, 0.3444



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.



64.9047, 0.3934, 0.3770



59.0650, 0.4160, 0.3869



91.9283, 0.3740, 0.4232



19.3503, 0.3283, 0.3399



17.9467, 0.5541, 0.3983

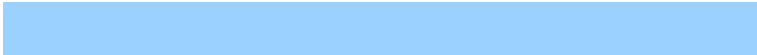


1.9625, 0.5349, 0.4135

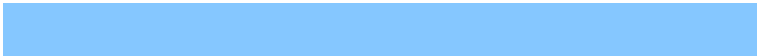


# Inverse Universe

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



59.6797, 0.2495, 0.2749



53.1292, 0.2364, 0.2610



38.9005, 0.2399, 0.2132



19.0166, 0.2979, 0.3179



13.6969, 0.1813, 0.1725



1.5521, 0.1866, 0.1917



# Previews

## White Background



This preview shows how the Yxy color 64.9016, 0.3934, 0.3770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

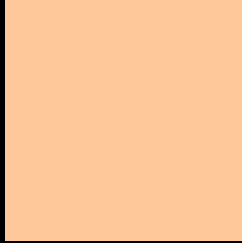
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9016, 0.3934, 0.3770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

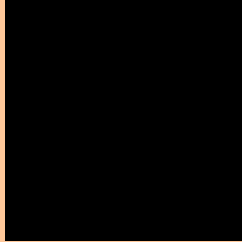
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9016, 0.3934, 0.3770**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9016, 0.3934, 0.3770.



This preview shows how white text looks on a background with the Yxy color 64.9016, 0.3934, 0.3770.

# 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

64.9016, 0.3934, 0.3770

### Protanopia

65.2605, 0.3618, 0.3876

### Deuteranopia

64.8981, 0.3885, 0.3798



## Tritanopia

64.8443, 0.3513, 0.3157

# Trichromacy



**Original Color**

64.9016, 0.3934, 0.3770

**Protanomaly**

65.0645, 0.3736, 0.3838

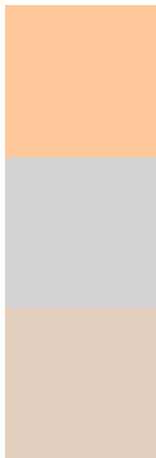
**Deuteranomaly**

64.8018, 0.3905, 0.3785

**Tritanomaly**

64.8233, 0.3670, 0.3385

# Monochromacy



**Original Color**

64.9016, 0.3934, 0.3770

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

64.6742, 0.3406, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9016, 0.3934, 0.3770 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, 200, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 154)  
}
```

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, 200, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9016, 0.3934, 0.3770 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, 200, 154) }
```

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

```
.border{ border-color:rgb(255, 200, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9016, 0.3934, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 154) }
```

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

```
.background{ background-color: rgb(255,  
200, 154) }
```

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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