

# Converting Colors

$Yxy(64.0511, 0.3927, 0.3852)$

Have a look what the booklet for  
Yxy(64.0511, 0.3927, 0.3852)  
contains.

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# Color

**Yxy(64.0511, 0.3927, 0.3852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9C994
RGB	249, 201, 148
RGB Percent	98%, 79%, 58%
CMY	0.0235, 0.2117, 0.4197
CMYK	0.00, 0.19, 0.41, 0.02
HSL	31°, 89%, 78%
HSV	31°, 41%, 98%
XYZ	65.2982, 64.0511, 36.9308
YIQ	209.3100, 45.6210, -6.3070

# Conversions

## Conversions Part 2

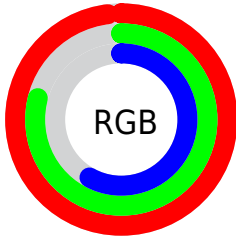
Format	Color
R <sub>Y</sub> B	239, 249, 148
Decimal	16370068
CIE Lab	83.99, 10.19, 32.92
CIE LCh	84, 34.462, 72.807
Yxy	64.0511, 0.3927, 0.3852
Android (android.graphics.Color)	4294560148 (0xFFFF9C994)
YUV	209.3100, -30.2258, 34.8081
Hunter-Lab	80.0319, 5.5826, 28.6629

# Details

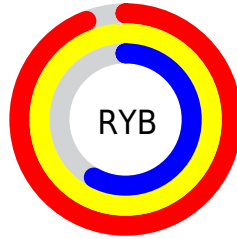
The Yxy color **64.0511, 0.3927, 0.3852** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.6042, 0.2466, 0.2646**, and the grayscale version is **64.1534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **32.8069, 0.4119, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **58.0434, 0.4179, 0.3984**, and if you desaturate by 10%, it is **70.6593, 0.3695, 0.3711**.

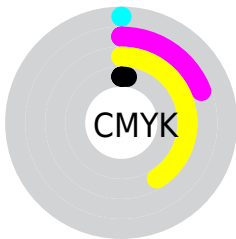
# Distribution



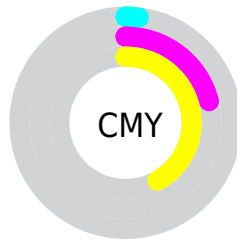
- Red (98%)
- Green (79%)
- Blue (58%)



- Red (94%)
- Yellow (98%)
- Blue (58%)



- Cyan (0%)
- Magenta (19%)
- Yellow (41%)
- Black (2%)




- Cyan (2%)
- Magenta (21%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0511, 0.3927, 0.3852 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 64.0511, 0.3927, 0.3852 by changing the saturation by 10% instead.



 64.0511, 0.3927,  
0.3852

 64.0511, 0.3927,  
0.3852

439.3741, 0.3550,  
0.3599

 46.6921, 0.4013,  
0.3907


 110.6845, 0.3796,  
0.3766

 32.7923, 0.4120,  
0.3972


 140.7277, 0.3744,  
0.3732

 21.9674, 0.4253,  
0.4051


175.7677, 0.3701,  
0.3703

 13.8329, 0.4424,  
0.4146

216.1890, 0.3662,  
0.3677

 8.0046, 0.4648,  
0.4258

262.3758, 0.3629,  
0.3654

 4.0979, 0.4967,  
0.4399

314.7127, 0.3599,

 1.7285, 0.5441,

0.3633

0.4559

373.5840, 0.3573,  
0.3615

0.4420, 0.6021,  
0.3979

0.0000, 0.0000,  
0.0000

64.0511, 0.3927,  
0.3852

64.0511, 0.3927,  
0.3852

58.0434, 0.4179,  
0.3984

70.6593, 0.3695,  
0.3711

52.6065, 0.4444,  
0.4096

77.8782, 0.3485,  
0.3568

47.7215, 0.4710,  
0.4176

85.7288, 0.3299,  
0.3429

43.3641, 0.4963,  
0.4210

94.2285, 0.3136,  
0.3297

■ 39.5067, 0.5185,  
0.4191

■ 98.8801, 0.3090,  
0.3290

■ 36.2917, 0.5360,  
0.4126

# Harmonies

## Analogous

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



64.0511, 0.3984, 0.3533



64.0511, 0.3927, 0.3852



64.0511, 0.3649, 0.4050

# Triad

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



64.0511, 0.3927, 0.3852



64.0511, 0.2496, 0.3350



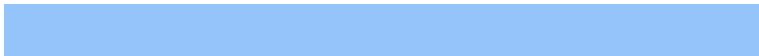
64.0511, 0.2966, 0.2663

# Complementary

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



64.0511, 0.3927, 0.3852



52.6042, 0.2466, 0.2646

# 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.



64.0511, 0.2596, 0.2591



64.0511, 0.3927, 0.3852



64.0511, 0.2340, 0.2951

# Square

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



64.0511, 0.3927, 0.3852



64.0511, 0.2820, 0.3765



64.0511, 0.2376, 0.2685



64.0511, 0.3407, 0.2875



# Rectangle

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



64.0511, 0.3927, 0.3852



64.0511, 0.3384, 0.4066



64.0511, 0.2376, 0.2685



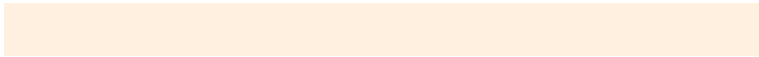
64.0511, 0.2830, 0.2622

# Sweetspot

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



64.0541, 0.3927, 0.3852



89.2558, 0.3325, 0.3449



45.3372, 0.3655, 0.2775



18.8669, 0.3348, 0.3467



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.



64.0541, 0.3927, 0.3852



62.1883, 0.4140, 0.3965



89.7222, 0.3724, 0.4300



18.7331, 0.3281, 0.3415



19.7129, 0.5336, 0.4145

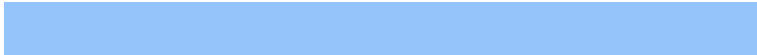


2.0381, 0.5162, 0.4283

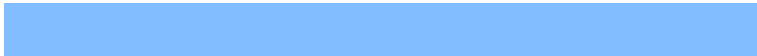


# Inverse Universe

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



52.6042, 0.2466, 0.2646



48.5439, 0.2328, 0.2481



34.4668, 0.2381, 0.2042



18.0033, 0.2980, 0.3162



10.9151, 0.1748, 0.1493



1.2216, 0.1810, 0.1715



# Previews

## White Background



This preview shows how the Yxy color 64.0511, 0.3927, 0.3852 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

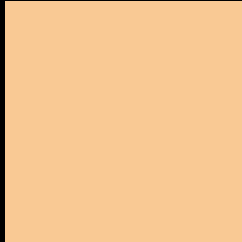
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0511, 0.3927, 0.3852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

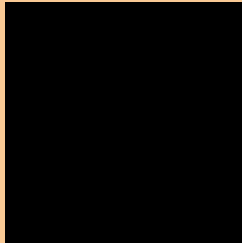
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.0511, 0.3927, 0.3852**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0511, 0.3927, 0.3852.



This preview shows how white text looks on a background with the Yxy color 64.0511, 0.3927, 0.3852.

# 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

64.0511, 0.3927, 0.3852

### Protanopia

64.5289, 0.3672, 0.3944

### Deuteranopia

64.2354, 0.3935, 0.3850



## Tritanopia

63.9540, 0.3516, 0.3137

# Trichromacy



**Original Color**

64.0511, 0.3927, 0.3852

**Protanomaly**

64.3524, 0.3756, 0.3909

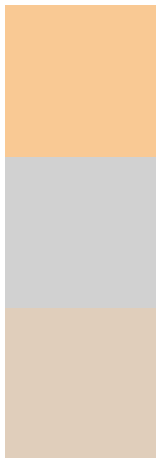
**Deuteranomaly**

64.2354, 0.3935, 0.3850

**Tritanomaly**

63.9077, 0.3673, 0.3396

# Monochromacy



**Original Color**

64.0511, 0.3927, 0.3852

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

63.5778, 0.3406, 0.3505

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0511, 0.3927, 0.3852 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, 201, 148)` looks like.

```
.text, #text, p{  
    color:rgb(249, 201, 148)  
}
```

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, 201, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 201, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0511, 0.3927, 0.3852 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, 201, 148) }
```

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

```
.border{ border-color:rgb(249, 201, 148) }
```

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

Here you see how a box with a 4 pixel rgb(249, 201, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 201, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 201, 148);  
box-shadow:4px 4px 4px 4px rgb(249, 201,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0511, 0.3927, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 201, 148) }
```

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

```
.background{ background-color: rgb(249,  
201, 148) }
```

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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