

# Converting Colors

$Y_{xy}(62.7862, 0.3952, 0.3853)$

Have a look what the booklet for  
Yxy(62.7862, 0.3952, 0.3853)  
contains.

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# Color

**Yxy(63.0619, 0.3951, 0.3852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9C792
RGB	249, 199, 146
RGB Percent	98%, 78%, 57%
CMY	0.0235, 0.2196, 0.4273
CMYK	0.00, 0.20, 0.41, 0.02
HSL	31°, 90%, 77%
HSV	31°, 41%, 98%
XYZ	64.6826, 63.0619, 35.9675
YIQ	207.9080, 46.8130, -5.8830

# Conversions

## Conversions Part 2

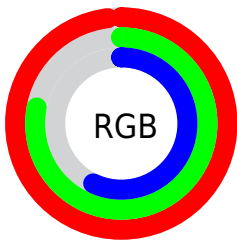
Format	Color
R <sub>Y</sub> B	243, 249, 146
Decimal	16369554
CIE Lab	83.47, 11.03, 33.25
CIE LCh	83, 35.034, 71.655
Yxy	63.0619, 0.3951, 0.3852
Android (android.graphics.Color)	4294559634 (0xFFFF9C792)
YUV	207.9080, -30.5206, 36.0377
Hunter-Lab	79.4115, 6.4225, 28.7341

# Details

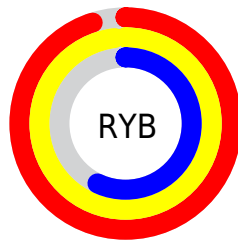
The Yxy color **63.0619, 0.3951, 0.3852** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.4494, 0.2456, 0.2644**, and the grayscale version is **63.1960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **32.1534, 0.4153, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **57.0271, 0.4208, 0.3980**, and if you desaturate by 10%, it is **69.7136, 0.3715, 0.3714**.

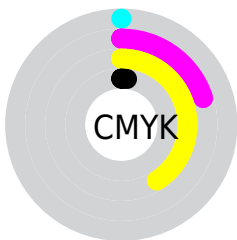
# Distribution



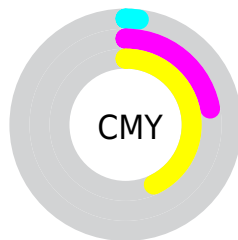
- Red (98%)
- Green (78%)
- Blue (57%)



- Red (95%)
- Yellow (98%)
- Blue (57%)



- Cyan (0%)
- Magenta (20%)
- Yellow (41%)
- Black (2%)




- Cyan (2%)
- Magenta (22%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0619, 0.3951, 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 63.0619, 0.3951, 0.3852 by changing the saturation by 10% instead.





 63.0619, 0.3951,  
0.3852


 63.0619, 0.3951,  
0.3852


435.7941, 0.3561,  
0.3599

 45.8913, 0.4041,  
0.3906


 109.2588, 0.3815,  
0.3767

 32.1600, 0.4151,  
0.3971


 139.0539, 0.3762,  
0.3733

 21.4838, 0.4289,  
0.4049


173.8259, 0.3717,  
0.3703

 13.4781, 0.4467,  
0.4142

213.9593, 0.3678,  
0.3677

 7.7586, 0.4699,  
0.4250

259.8384, 0.3643,  
0.3654

 3.9409, 0.5043,  
0.4394

311.8477, 0.3613,

 1.6405, 0.5496,

0.3634

0.4504

370.3714, 0.3585,  
0.3616

0.3847, 0.6227,  
0.3773

0.0000, 0.0000,  
0.0000

63.0619, 0.3951,  
0.3852

63.0619, 0.3951,  
0.3852

57.0271, 0.4208,  
0.3980

69.7136, 0.3715,  
0.3714

51.5789, 0.4477,  
0.4088

76.9933, 0.3502,  
0.3574

46.6975, 0.4748,  
0.4163

84.9227, 0.3313,  
0.3437

42.3574, 0.5004,  
0.4191

93.5198, 0.3148,  
0.3307

■ 38.5302, 0.5228,  
0.4164

■ 98.8814, 0.3090,  
0.3290

■ 35.6032, 0.5391,  
0.4101

# Harmonies

## Analogous

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



63.0619, 0.4000, 0.3523



63.0619, 0.3951, 0.3852



63.0619, 0.3673, 0.4063

# Triad

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



63.0619, 0.3951, 0.3852



63.0619, 0.2492, 0.3368



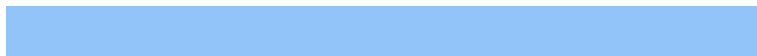
63.0619, 0.2946, 0.2645

# Complementary

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



63.0619, 0.3951, 0.3852



52.4494, 0.2456, 0.2644

# 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.



63.0619, 0.2573, 0.2577



63.0619, 0.3951, 0.3852



63.0619, 0.2326, 0.2957

# Square

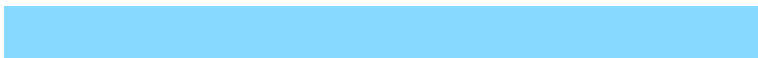
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.0619, 0.3951, 0.3852



63.0619, 0.2828, 0.3791



63.0619, 0.2355, 0.2680



63.0619, 0.3396, 0.2856



# Rectangle

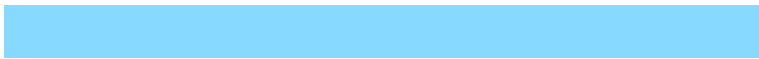
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.0619, 0.3951, 0.3852



63.0619, 0.3405, 0.4086



63.0619, 0.2355, 0.2680



63.0619, 0.2808, 0.2605

# Sweetspot

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



63.0649, 0.3951, 0.3852



89.0665, 0.3325, 0.3446



44.7626, 0.3652, 0.2748



18.8224, 0.3349, 0.3463



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.



63.0649, 0.3951, 0.3852



60.9833, 0.4173, 0.3965



89.9745, 0.3746, 0.4314



18.7019, 0.3281, 0.3412



19.3423, 0.5367, 0.4121



2.0038, 0.5189, 0.4262



# Inverse Universe

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



52.4494, 0.2456, 0.2644



48.3441, 0.2315, 0.2478



33.5198, 0.2353, 0.2010



18.0344, 0.2980, 0.3165



11.2519, 0.1758, 0.1527



1.2535, 0.1819, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 63.0619, 0.3951, 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 63.0619, 0.3951, 0.3852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

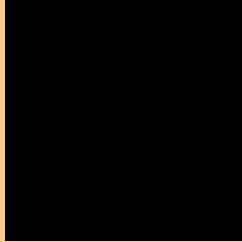
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.0619, 0.3951, 0.3852**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0619, 0.3951, 0.3852.



This preview shows how white text looks on a background with the Yxy color 63.0619, 0.3951, 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

63.0619, 0.3951, 0.3852

### Protanopia

63.1611, 0.3677, 0.3950

### Deuteranopia

62.8786, 0.3943, 0.3854



## Tritanopia

62.9778, 0.3537, 0.3136

# Trichromacy



**Original Color**

63.0619, 0.3951, 0.3852

**Protanomaly**

63.1562, 0.3770, 0.3912

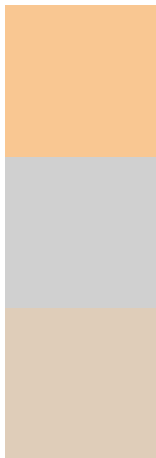
**Deuteranomaly**

62.8786, 0.3943, 0.3854

**Tritanomaly**

62.9269, 0.3695, 0.3397

# Monochromacy



**Original Color**

63.0619, 0.3951, 0.3852

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

62.8534, 0.3415, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0619, 0.3951, 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, 199, 146)` looks like.

```
.text, #text, p{  
    color:rgb(249, 199, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 199, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0619, 0.3951, 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, 199, 146) }
```

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

```
.border{ border-color:rgb(249, 199, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 199, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 199, 146);  
box-shadow:4px 4px 4px 4px rgb(249, 199,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0619, 0.3951, 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, 199, 146) }
```

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

```
.background{ background-color: rgb(249,  
199, 146) }
```

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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