

# Converting Colors

$Yxy(63.1263, 0.4067, 0.4025)$

Have a look what the booklet for  
Yxy(63.1263, 0.4067, 0.4025)  
contains.

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# Color

**Yxy(63.0600, 0.4067, 0.4023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9C882
RGB	249, 200, 130
RGB Percent	98%, 78%, 51%
CMY	0.0236, 0.2157, 0.4901
CMYK	0.00, 0.20, 0.48, 0.02
HSL	35°, 91%, 74%
HSV	35°, 48%, 98%
XYZ	63.7497, 63.0600, 29.9390
YIQ	206.6710, 51.6740, -11.3820

# Conversions

## Conversions Part 2

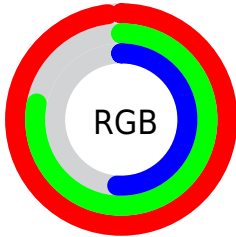
Format	Color
R <sub>Y</sub> B	213, 249, 130
Decimal	16369794
CIE Lab	83.47, 8.91, 41.45
CIE LCh	83, 42.399, 77.874
Yxy	63.0600, 0.4067, 0.4023
Android (android.graphics.Color)	4294559874 (0xFFFF9C882)
YUV	206.6710, -37.7988, 37.1225
Hunter-Lab	79.4103, 4.3297, 33.2339

# Details

The Yxy color **63.0600, 0.4067, 0.4023** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.8307, 0.2330, 0.2407**, and the grayscale version is **62.3996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **32.0694, 0.4285, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **57.8821, 0.4307, 0.4156**, and if you desaturate by 10%, it is **68.7241, 0.3837, 0.3873**.

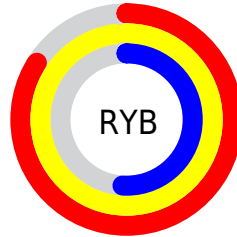
# Distribution



Red (98%)

Green (78%)

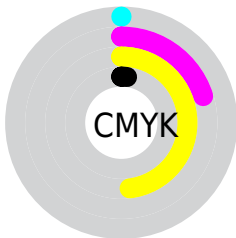
Blue (51%)



Red (84%)

Yellow (98%)

Blue (51%)

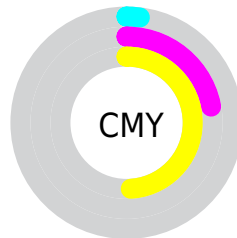


Cyan (0%)

Magenta (20%)

Yellow (48%)

Black (2%)



Cyan (2%)

Magenta (22%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0600, 0.4067, 0.4023 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 63.0600, 0.4067, 0.4023 by changing the saturation by 10% instead.





 63.0600, 0.4067,  
0.4023


 63.0600, 0.4067,  
0.4023


435.7872, 0.3628,  
0.3695

 45.8897, 0.4165,  
0.4092

 109.2561, 0.3916,  
0.3913

 32.1588, 0.4284,  
0.4174


 139.0507, 0.3856,  
0.3869

 21.4828, 0.4431,  
0.4269


 173.8222, 0.3805,  
0.3831

 13.4774, 0.4612,  
0.4380

213.9550, 0.3760,  
0.3797

 7.7581, 0.4835,  
0.4499

259.8335, 0.3721,  
0.3767

 3.9406, 0.5255,  
0.4745

311.8421, 0.3686,

 1.6404, 0.5380,

0.3740

0.4620

370.3652, 0.3656,  
0.3716

0.3846, 0.6025,  
0.3975

0.0000, 0.0000,  
0.0000

63.0600, 0.4067,  
0.4023

63.0600, 0.4067,  
0.4023

57.8821, 0.4307,  
0.4156

68.7241, 0.3837,  
0.3873

53.1634, 0.4546,  
0.4260

74.8822, 0.3622,  
0.3715

48.8870, 0.4773,  
0.4321

81.5528, 0.3426,  
0.3557

45.0304, 0.4973,  
0.4332

88.7506, 0.3250,  
0.3404

■ 41.5655, 0.5138,  
0.4288

■ 96.4898, 0.3094,  
0.3259

■ 40.8416, 0.5172,  
0.4275

■ 98.8783, 0.3090,  
0.3290

# Harmonies

## Analogous

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



63.0600, 0.4198, 0.3642



63.0600, 0.4067, 0.4023



63.0600, 0.3682, 0.4249

# Triad

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



63.0600, 0.4067, 0.4023



63.0600, 0.2307, 0.3265



63.0600, 0.3013, 0.2564

# Complementary

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



63.0600, 0.4067, 0.4023



43.8307, 0.2330, 0.2407

# 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.



63.0600, 0.2541, 0.2444



63.0600, 0.4067, 0.4023



63.0600, 0.2162, 0.2795

# Square

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



63.0600, 0.4067, 0.4023



63.0600, 0.2665, 0.3805



63.0600, 0.2244, 0.2514



63.0600, 0.3560, 0.2840



# Rectangle

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



63.0600, 0.4067, 0.4023



63.0600, 0.3344, 0.4246



63.0600, 0.2244, 0.2514



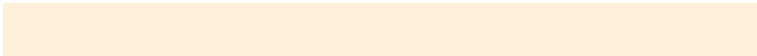
63.0600, 0.2841, 0.2504

# Sweetspot

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



63.0630, 0.4067, 0.4023



88.8877, 0.3358, 0.3498



39.3890, 0.3883, 0.2768



18.6803, 0.3397, 0.3532



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.



63.0630, 0.4067, 0.4023



61.4770, 0.4290, 0.4147



87.7232, 0.3762, 0.4489



18.9224, 0.3279, 0.3429



22.1502, 0.5152, 0.4291

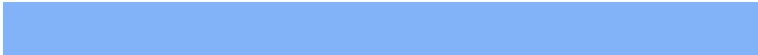


2.2603, 0.5006, 0.4407

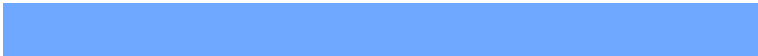


# Inverse Universe

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



43.8307, 0.2330, 0.2407



39.0738, 0.2176, 0.2196



28.3812, 0.2279, 0.1802



17.8169, 0.2979, 0.3147



9.0668, 0.1693, 0.1295



1.0429, 0.1758, 0.1528



# Previews

## White Background



This preview shows how the Yxy color 63.0600, 0.4067, 0.4023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

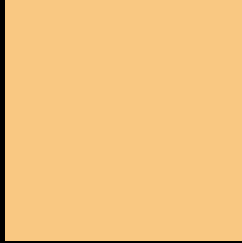
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0600, 0.4067, 0.4023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

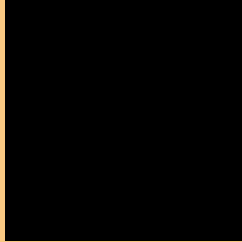
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.0600, 0.4067, 0.4023**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0600, 0.4067, 0.4023.



This preview shows how white text looks on a background with the Yxy color 63.0600, 0.4067, 0.4023.

# 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

63.0600, 0.4067, 0.4023

### Protanopia

63.1361, 0.3824, 0.4129

### Deuteranopia

63.1540, 0.4097, 0.4006



## Tritanopia

62.9294, 0.3545, 0.3147

# Trichromacy



## Original Color

63.0600, 0.4067, 0.4023

## Protanomaly

62.9908, 0.3911, 0.4089

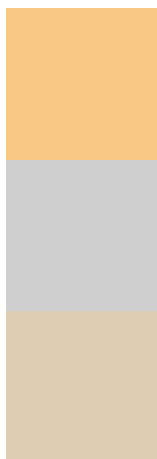
## Deuteranomaly

62.9678, 0.4089, 0.4008

## Tritanomaly

62.6806, 0.3745, 0.3460

# Monochromacy



## Original Color

63.0600, 0.4067, 0.4023

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

61.9700, 0.3454, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0600, 0.4067, 0.4023 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, 200, 130)` looks like.

```
.text, #text, p{  
    color:rgb(249, 200, 130)  
}
```

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, 200, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 200, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0600, 0.4067, 0.4023 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, 200, 130) }
```

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

```
.border{ border-color:rgb(249, 200, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 200, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 200, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 200, 130);  
box-shadow:4px 4px 4px 4px rgb(249, 200,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0600, 0.4067, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 200, 130) }
```

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

```
.background{ background-color: rgb(249,  
200, 130) }
```

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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