

# Converting Colors

$Y_{xy}(64.3472, 0.4118, 0.4016)$

Have a look what the booklet for  
Yxy(64.3472, 0.4118, 0.4016)  
contains.

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# Color

**Yxy(64.1803, 0.4117, 0.4008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC882
RGB	255, 200, 130
RGB Percent	100%, 78%, 51%
CMY	0.0000, 0.2157, 0.4903
CMYK	0.00, 0.22, 0.49, 0.00
HSL	34°, 100%, 75%
HSV	34°, 49%, 100%
XYZ	65.9257, 64.1803, 30.0245
YIQ	208.4650, 55.2500, -10.1100

# Conversions

## Conversions Part 2

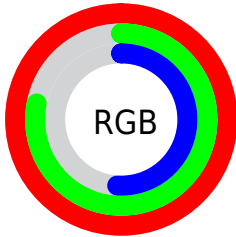
Format	Color
R <sub>Y</sub> B	228, 255, 130
Decimal	16763010
CIE Lab	84.06, 11.31, 42.34
CIE LCh	84, 43.823, 75.049
Yxy	64.1803, 0.4117, 0.4008
Android (android.graphics.Color)	4294953090 (0xFFFFC882)
YUV	208.4650, -38.6832, 40.8112
Hunter-Lab	80.1126, 6.6929, 33.8582

# Details

The Yxy color **64.1803, 0.4117, 0.4008** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.6523, 0.2317, 0.2423**, and the grayscale version is **63.6222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **32.8580, 0.4348, 0.4147** is the 20% darker color. If you saturate the color by 10%, you get **58.5722, 0.4368, 0.4132**, and if you desaturate by 10%, it is **70.3409, 0.3877, 0.3866**.

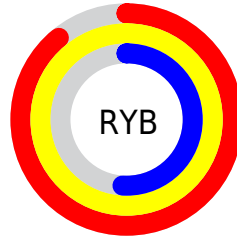
# Distribution



Red (100%)

Green (78%)

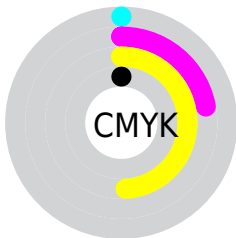
Blue (51%)



Red (89%)

Yellow (100%)

Blue (51%)

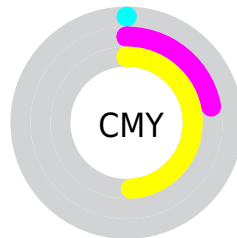


Cyan (0%)

Magenta (22%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1803, 0.4117, 0.4008 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 64.1803, 0.4117, 0.4008 by changing the saturation by 10% instead.




 64.1803, 0.4117,  
0.4008


 64.1803, 0.4117,  
0.4008


439.8404, 0.3655,  
0.3691


 46.7967, 0.4220,  
0.4073


 110.8706, 0.3958,  
0.3903

 32.8750, 0.4345,  
0.4150


 140.9460, 0.3896,  
0.3860

 22.0307, 0.4498,  
0.4238


 176.0209, 0.3842,  
0.3823

 13.8795, 0.4687,  
0.4338

216.4796, 0.3795,  
0.3791

 8.0369, 0.4920,  
0.4441

262.7065, 0.3754,  
0.3761

 4.1186, 0.5348,  
0.4652

315.0860, 0.3717,

 1.7401, 0.5499,

0.3735

0.4501

374.0025, 0.3685,  
0.3712

0.4494, 0.6101,  
0.3899

0.0000, 0.0000,  
0.0000

64.1803, 0.4117,  
0.4008

64.1803, 0.4117,  
0.4008

58.5722, 0.4368,  
0.4132

70.3409, 0.3877,  
0.3866

53.4933, 0.4619,  
0.4225

77.0709, 0.3654,  
0.3715

48.9215, 0.4857,  
0.4274

84.3893, 0.3452,  
0.3563

44.8307, 0.5067,  
0.4271

92.3131, 0.3272,  
0.3416

■ 41.1863, 0.5241,  
0.4215

100.0000, 0.3127,  
0.3290

■ 40.8523, 0.5257,  
0.4208

# Harmonies

## Analogous

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



64.1803, 0.4223, 0.3609



64.1803, 0.4117, 0.4008



64.1803, 0.3740, 0.4264

# Triad

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



64.1803, 0.4117, 0.4008



64.1803, 0.2312, 0.3316



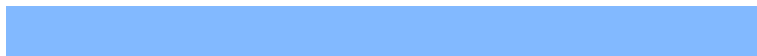
64.1803, 0.2958, 0.2527

# Complementary

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



64.1803, 0.4117, 0.4008



46.6523, 0.2317, 0.2423

# 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.



64.1803, 0.2488, 0.2421



64.1803, 0.4117, 0.4008



64.1803, 0.2142, 0.2818

# Square

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



64.1803, 0.4117, 0.4008



64.1803, 0.2696, 0.3868



64.1803, 0.2205, 0.2512



64.1803, 0.3520, 0.2796



# Rectangle

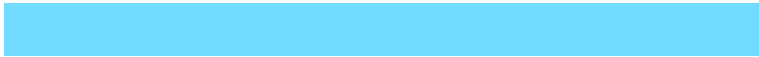
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.1803, 0.4117, 0.4008



64.1803, 0.3399, 0.4283



64.1803, 0.2205, 0.2512



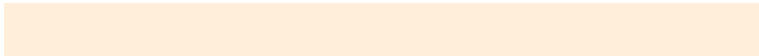
64.1803, 0.2785, 0.2472

# Sweetspot

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



64.1811, 0.4117, 0.4008



87.5070, 0.3377, 0.3503



40.7751, 0.3867, 0.2713



18.3782, 0.3416, 0.3535



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.



64.1811, 0.4117, 0.4008



58.5870, 0.4367, 0.4132



93.2248, 0.3806, 0.4505



19.6749, 0.3280, 0.3423



21.6489, 0.5235, 0.4226



2.3257, 0.5083, 0.4346

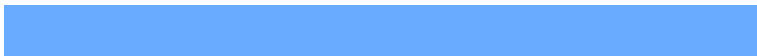


# Inverse Universe

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



46.6523, 0.2317, 0.2423



39.2213, 0.2157, 0.2207



28.4333, 0.2224, 0.1746



18.6927, 0.2979, 0.3153



10.1337, 0.1717, 0.1379



1.1999, 0.1777, 0.1598



# Previews

## White Background



This preview shows how the Yxy color 64.1803, 0.4117, 0.4008 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 64.1803, 0.4117, 0.4008 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 64.1803, 0.4117, 0.4008**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1803, 0.4117, 0.4008.



This preview shows how white text looks on a background with the Yxy color 64.1803, 0.4117, 0.4008.

# 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

64.1803, 0.4117, 0.4008

### Protanopia

64.4724, 0.3825, 0.4133

### Deuteranopia

63.9911, 0.4109, 0.4010



## Tritanopia

64.2998, 0.3531, 0.3168

# Trichromacy



**Original Color**

64.1803, 0.4117, 0.4008

**Protanomaly**

64.0132, 0.3924, 0.4080

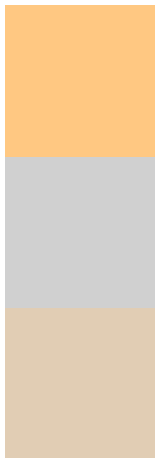
**Deuteranomaly**

63.9911, 0.4109, 0.4010

**Tritanomaly**

63.9542, 0.3755, 0.3480

# Monochromacy



**Original Color**

64.1803, 0.4117, 0.4008

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

62.9655, 0.3469, 0.3574

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1803, 0.4117, 0.4008 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 200, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1803, 0.4117, 0.4008 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, 130) }
```

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

```
.border{ border-color:rgb(255, 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(255, 200, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1803, 0.4117, 0.4008 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, 130) }
```

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

```
.background{ background-color: rgb(255,  
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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