

# Converting Colors

$Yxy(64.3216, 0.4153, 0.4066)$

Have a look what the booklet for  
Yxy(64.3216, 0.4153, 0.4066)  
contains.

<b>Yxy(64.4885, 0.4154, 0.4074)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.4885, 0.4154, 0.4074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC97C
RGB	255, 201, 124
RGB Percent	100%, 79%, 49%
CMY	0.0001, 0.2117, 0.5137
CMYK	0.00, 0.21, 0.51, 0.00
HSL	35°, 100%, 74%
HSV	35°, 51%, 100%
XYZ	65.7548, 64.4885, 28.0495
YIQ	208.3680, 56.9010, -12.4990

# Conversions

## Conversions Part 2

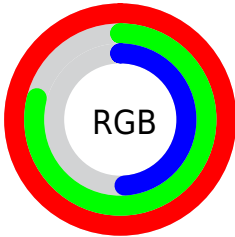
Format	Color
R <sub>YB</sub>	216, 255, 124
Decimal	16763260
CIE Lab	84.22, 10.23, 45.53
CIE LCh	84, 46.670, 77.333
Yxy	64.4885, 0.4154, 0.4074
Android (android.graphics.Color)	4294953340 (0xFFFFC97C)
YUV	208.3680, -41.5934, 40.8963
Hunter-Lab	80.3047, 5.6255, 35.5040

# Details

The Yxy color **64.4885, 0.4154, 0.4074** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.3202, 0.2269, 0.2325**, and the grayscale version is **63.5757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **33.0842, 0.4390, 0.4222** is the 20% darker color. If you saturate the color by 10%, you get **59.1970, 0.4395, 0.4198**, and if you desaturate by 10%, it is **70.2877, 0.3919, 0.3929**.

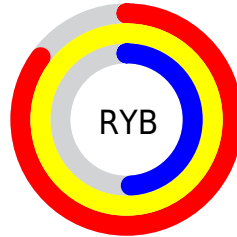
# Distribution



Red (100%)

Green (79%)

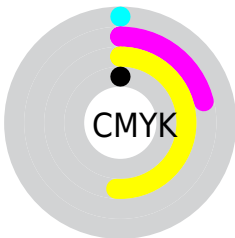
Blue (49%)



Red (85%)

Yellow (100%)

Blue (49%)

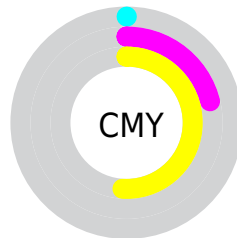


Cyan (0%)

Magenta (21%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4885, 0.4154, 0.4074 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 64.4885, 0.4154, 0.4074 by changing the saturation by 10% instead.




 64.4885, 0.4154,  
0.4074

 64.4885, 0.4154,  
0.4074


440.9516, 0.3678,  
0.3729

 47.0464, 0.4259,  
0.4145


 111.3142, 0.3991,  
0.3960

 33.0724, 0.4385,  
0.4227


 141.4665, 0.3927,  
0.3914

 22.1819, 0.4537,  
0.4320


 176.6245, 0.3872,  
0.3873

 13.9906, 0.4723,  
0.4425

217.1724, 0.3823,  
0.3838

 8.1141, 0.4945,  
0.4529

263.4947, 0.3780,  
0.3806

 4.1681, 0.5303,  
0.4697

315.9757, 0.3743,

 1.7680, 0.5439,

0.3777

0.4561

374.9999, 0.3709,  
0.3752

0.4671, 0.5976,  
0.4024

0.0000, 0.0000,  
0.0000

64.4885, 0.4154,  
0.4074

64.4885, 0.4154,  
0.4074

59.1970, 0.4395,  
0.4198

70.2877, 0.3919,  
0.3929

54.3841, 0.4632,  
0.4287

76.6036, 0.3698,  
0.3772

50.0310, 0.4851,  
0.4331

83.4561, 0.3495,  
0.3613

46.1125, 0.5039,  
0.4321

90.8611, 0.3311,  
0.3458

43.0493, 0.5174,  
0.4273

98.8339, 0.3148,  
0.3310

99.9932, 0.3127,  
0.3290

# Harmonies

## Analogous

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



64.4885, 0.4295, 0.3656



64.4885, 0.4154, 0.4074



64.4885, 0.3735, 0.4335

# Triad

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



64.4885, 0.4154, 0.4074



64.4885, 0.2241, 0.3269



64.4885, 0.2990, 0.2501

# Complementary

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



64.4885, 0.4154, 0.4074



43.3202, 0.2269, 0.2325

# 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.



64.4885, 0.2482, 0.2374



64.4885, 0.4154, 0.4074



64.4885, 0.2083, 0.2754

# Square

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



64.4885, 0.4154, 0.4074



64.4885, 0.2630, 0.3865



64.4885, 0.2167, 0.2450



64.4885, 0.3588, 0.2795



# Rectangle

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



64.4885, 0.4154, 0.4074



64.4885, 0.3368, 0.4343



64.4885, 0.2167, 0.2450



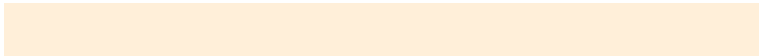
64.4885, 0.2803, 0.2438

# Sweetspot

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



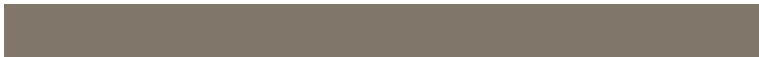
64.4916, 0.4154, 0.4074



88.1335, 0.3376, 0.3514



38.9054, 0.3970, 0.2732



18.5292, 0.3414, 0.3546



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.



64.4916, 0.4154, 0.4074



58.8965, 0.4411, 0.4205



92.1944, 0.3803, 0.4570



19.7627, 0.3279, 0.3430



22.8026, 0.5154, 0.4290



2.4356, 0.5014, 0.4401

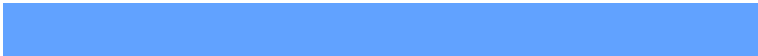


# Inverse Universe

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



43.3202, 0.2269, 0.2325



35.6033, 0.2098, 0.2081



26.7763, 0.2203, 0.1675



18.6066, 0.2979, 0.3146



9.3319, 0.1693, 0.1294



1.1176, 0.1755, 0.1516



# Previews

## White Background



This preview shows how the Yxy color 64.4885, 0.4154, 0.4074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

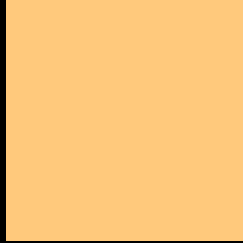
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4885, 0.4154, 0.4074 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 64.4885, 0.4154, 0.4074**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4885, 0.4154, 0.4074.



This preview shows how white text looks on a background with the Yxy color 64.4885, 0.4154, 0.4074.

# 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

64.4885, 0.4154, 0.4074

### Protanopia

64.4485, 0.3881, 0.4203

### Deuteranopia

64.5396, 0.4140, 0.4055



## Tritanopia

64.3486, 0.3523, 0.3157

# Trichromacy



**Original Color**

64.4885, 0.4154, 0.4074

**Protanomaly**

64.4827, 0.3977, 0.4158

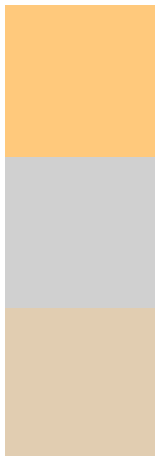
**Deuteranomaly**

64.5140, 0.4147, 0.4064

**Tritanomaly**

64.3668, 0.3760, 0.3500

# Monochromacy



**Original Color**

64.4885, 0.4154, 0.4074

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

62.8445, 0.3492, 0.3608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4885, 0.4154, 0.4074 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, 201, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 124)  
}
```

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, 201, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4885, 0.4154, 0.4074 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, 201, 124) }
```

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

```
.border{ border-color:rgb(255, 201, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4885, 0.4154, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 124) }
```

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

```
.background{ background-color: rgb(255,  
201, 124) }
```

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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