

# Converting Colors

$Yxy(64.0055, 0.3899, 0.3688)$

Have a look what the booklet for  
Yxy(64.0055, 0.3899, 0.3688)  
contains.

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# Color

**Yxy(64.1862, 0.3894, 0.3688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6A0
RGB	255, 198, 160
RGB Percent	100%, 78%, 63%
CMY	0.0001, 0.2235, 0.3725
CMYK	0.00, 0.22, 0.37, 0.00
HSL	24°, 100%, 81%
HSV	24°, 37%, 100%
XYZ	67.7714, 64.1862, 42.0830
YIQ	210.7110, 46.1700, 0.2660

# Conversions

## Conversions Part 2

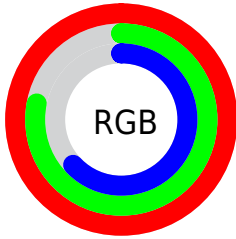
Format	Color
R <sub>Y</sub> B	255, 223, 160
Decimal	16762528
CIE Lab	84.06, 15.39, 26.84
CIE LCh	84, 30.935, 60.175
Yxy	64.1862, 0.3894, 0.3688
Android (android.graphics.Color)	4294952608 (0xFFFFC6A0)
YUV	210.7110, -25.0005, 38.8415
Hunter-Lab	80.1163, 10.7920, 24.9379

# Details

The Yxy color **64.1862, 0.3894, 0.3688** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.3024, 0.2542, 0.2850**, and the grayscale version is **65.0873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **32.8995, 0.4092, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **56.7437, 0.4174, 0.3793**, and if you desaturate by 10%, it is **72.5236, 0.3646, 0.3577**.

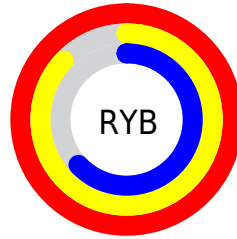
# Distribution



Red (100%)

Green (78%)

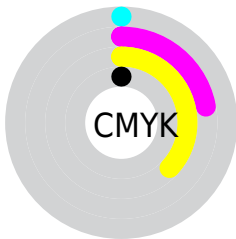
Blue (63%)



Red (100%)

Yellow (87%)

Blue (63%)

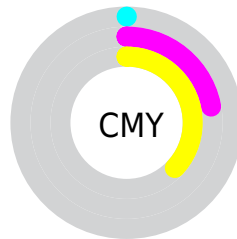


Cyan (0%)

Magenta (22%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1862, 0.3894, 0.3688 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 64.1862, 0.3894, 0.3688 by changing the saturation by 10% instead.





 64.1862, 0.3894,  
0.3688


 64.1862, 0.3894,  
0.3688


439.8617, 0.3529,  
0.3512

 46.8015, 0.3979,  
0.3725


 110.8791, 0.3766,  
0.3629

 32.8788, 0.4084,  
0.3770


 140.9560, 0.3717,  
0.3605

 22.0336, 0.4218,  
0.3823


176.0325, 0.3674,  
0.3585

 13.8816, 0.4393,  
0.3887

216.4929, 0.3638,  
0.3567

 8.0383, 0.4628,  
0.3961

262.7216, 0.3605,  
0.3550

 4.1195, 0.4957,  
0.4038

315.1031, 0.3577,

 1.7406, 0.5710,

0.3536

0.4290

374.0216, 0.3552,  
0.3523

0.4498, 0.6410,  
0.3590

0.0000, 0.0000,  
0.0000

64.1862, 0.3894,  
0.3688

64.1862, 0.3894,  
0.3688

56.7437, 0.4174,  
0.3793

72.5236, 0.3646,  
0.3577

50.1550, 0.4482,  
0.3884

81.7772, 0.3430,  
0.3468

44.3888, 0.4807,  
0.3947

91.9786, 0.3245,  
0.3362

39.4079, 0.5130,  
0.3970

99.9937, 0.3127,  
0.3290

■ 35.1713, 0.5425,  
0.3942

■ 31.6316, 0.5669,  
0.3860

■ 30.7646, 0.5729,  
0.3833

# Harmonies

## Analogous

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



64.1862, 0.3848, 0.3380



64.1862, 0.3894, 0.3688



64.1862, 0.3722, 0.3919

# Triad

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



64.1862, 0.3894, 0.3688



64.1862, 0.2667, 0.3508



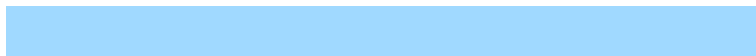
64.1862, 0.2830, 0.2678

# Complementary

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



64.1862, 0.3894, 0.3688



64.3024, 0.2542, 0.2850

# 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.



64.1862, 0.2545, 0.2676



64.1862, 0.3894, 0.3688



64.1862, 0.2455, 0.3130

# Square

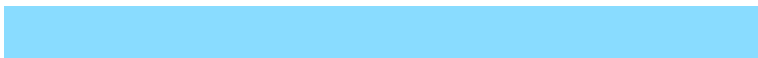
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.1862, 0.3894, 0.3688



64.1862, 0.3007, 0.3836



64.1862, 0.2413, 0.2831



64.1862, 0.3212, 0.2820



# Rectangle

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



64.1862, 0.3894, 0.3688



64.1862, 0.3515, 0.3987



64.1862, 0.2413, 0.2831



64.1862, 0.2721, 0.2660

# Sweetspot

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



64.1892, 0.3894, 0.3688



88.0549, 0.3311, 0.3401



51.4112, 0.3494, 0.2709



18.5497, 0.3336, 0.3415



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.



64.1892, 0.3894, 0.3688



58.3523, 0.4109, 0.3771



89.3834, 0.3720, 0.4137



19.1801, 0.3284, 0.3386



16.3526, 0.5700, 0.3856

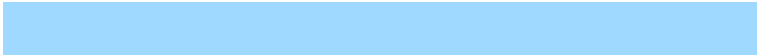


1.7991, 0.5492, 0.4021

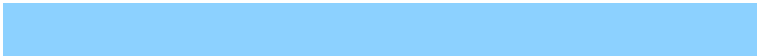


# Inverse Universe

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



64.3024, 0.2542, 0.2850



58.4551, 0.2425, 0.2740



43.2611, 0.2458, 0.2270



19.1901, 0.2979, 0.3193



15.9678, 0.1867, 0.1919



1.7687, 0.1914, 0.2091



# Previews

## White Background



This preview shows how the Yxy color 64.1862, 0.3894, 0.3688 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

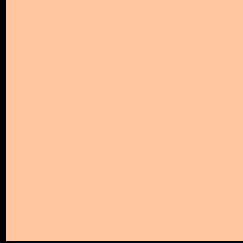
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1862, 0.3894, 0.3688 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 64.1862, 0.3894, 0.3688**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1862, 0.3894, 0.3688.



This preview shows how white text looks on a background with the Yxy color 64.1862, 0.3894, 0.3688.

# 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

64.1862, 0.3894, 0.3688

### Protanopia

64.4978, 0.3553, 0.3802

### Deuteranopia

64.0506, 0.3825, 0.3740



## Tritanopia

64.3486, 0.3523, 0.3157

# Trichromacy



**Original Color**

64.1862, 0.3894, 0.3688

**Protanomaly**

64.4491, 0.3677, 0.3765

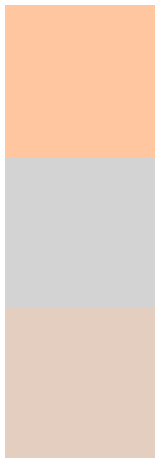
**Deuteranomaly**

64.1357, 0.3853, 0.3725

**Tritanomaly**

64.0079, 0.3659, 0.3344

# Monochromacy



**Original Color**

64.1862, 0.3894, 0.3688

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

64.2793, 0.3392, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1862, 0.3894, 0.3688 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, 198, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 160)  
}
```

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, 198, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1862, 0.3894, 0.3688 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, 198, 160) }
```

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

```
.border{ border-color:rgb(255, 198, 160) }
```

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

Here you see how a box with a 4 pixel rgb(255, 198, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1862, 0.3894, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 160) }
```

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

```
.background{ background-color: rgb(255,  
198, 160) }
```

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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