

# Converting Colors

$Y_{xy}(70.8105, 0.4105, 0.3616)$

Have a look what the booklet for  
Yxy(70.8105, 0.4105, 0.3616)  
contains.

<b>Yxy(64.7872, 0.3859, 0.3657)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.7872, 0.3859, 0.3657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7A4
RGB	255, 199, 164
RGB Percent	100%, 78%, 64%
CMY	0.0000, 0.2196, 0.3570
CMYK	0.00, 0.22, 0.36, 0.00
HSL	23°, 100%, 82%
HSV	23°, 36%, 100%
XYZ	68.3658, 64.7872, 44.0064
YIQ	211.7540, 44.6110, 0.9870

# Conversions

## Conversions Part 2

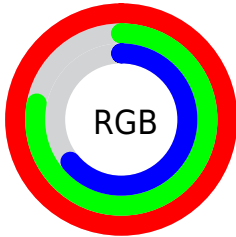
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 221, 164
Decimal	16762788
CIE <sub>Lab</sub>	84.37, 15.35, 25.19
CIE <sub>LCh</sub>	84, 29.494, 58.648
Yxy	64.7872, 0.3859, 0.3657
Android (android.graphics.Color)	4294952868 (0xFFFFC7A4)
YUV	211.7540, -23.5427, 37.9267
Hunter-Lab	80.4905, 10.7533, 23.9279

# Details

The Yxy color **64.7872, 0.3859, 0.3657** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66.2751, 0.2568, 0.2888**, and the grayscale version is **65.8011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **33.2910, 0.4043, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **57.1066, 0.4138, 0.3760**, and if you desaturate by 10%, it is **73.3967, 0.3613, 0.3550**.

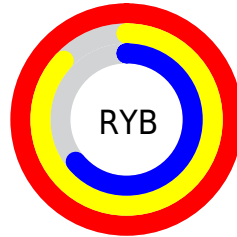
# Distribution



Red (100%)

Green (78%)

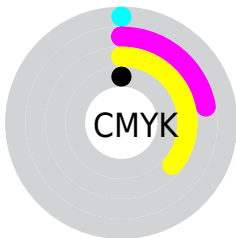
Blue (64%)



Red (100%)

Yellow (87%)

Blue (64%)

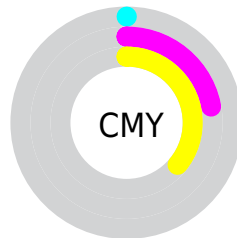


Cyan (0%)

Magenta (22%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7872, 0.3859, 0.3657 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 64.7872, 0.3859, 0.3657 by changing the saturation by 10% instead.




 64.7872, 0.3859,  
0.3657


 64.7872, 0.3859,  
0.3657

442.0269, 0.3511,  
0.3494

 47.2885, 0.3940,  
0.3692


 111.7439, 0.3737,  
0.3602

 33.2638, 0.4041,  
0.3733


 141.9707, 0.3690,  
0.3581

 22.3286, 0.4169,  
0.3782


177.2090, 0.3649,  
0.3562

 14.0986, 0.4336,  
0.3842

217.8432, 0.3614,  
0.3545

 8.1893, 0.4564,  
0.3912

264.2577, 0.3584,  
0.3530

 4.2163, 0.4884,  
0.3988

316.8369, 0.3557,

 1.7953, 0.5700,

0.3517

0.4300

375.9651, 0.3533,  
0.3505

0.4842, 0.6329,  
0.3671

0.0000, 0.0000,  
0.0000

64.7872, 0.3859,  
0.3657

64.7872, 0.3859,  
0.3657

57.1066, 0.4138,  
0.3760

73.3967, 0.3613,  
0.3550

50.3211, 0.4448,  
0.3849

82.9664, 0.3401,  
0.3445

44.3950, 0.4778,  
0.3914

93.5265, 0.3219,  
0.3344

39.2895, 0.5111,  
0.3941

100.0000, 0.3127,  
0.3290

■ 34.9622, 0.5419,  
0.3919

■ 31.3650, 0.5677,  
0.3842

■ 30.0227, 0.5772,  
0.3799

# Harmonies

## Analogous

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



64.7872, 0.3804, 0.3362



64.7872, 0.3859, 0.3657



64.7872, 0.3706, 0.3881

# Triad

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



64.7872, 0.3859, 0.3657



64.7872, 0.2703, 0.3515



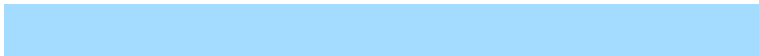
64.7872, 0.2828, 0.2702

# Complementary

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



64.7872, 0.3859, 0.3657



66.2751, 0.2568, 0.2888

# 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.



64.7872, 0.2562, 0.2709



64.7872, 0.3859, 0.3657



64.7872, 0.2493, 0.3157

# Square

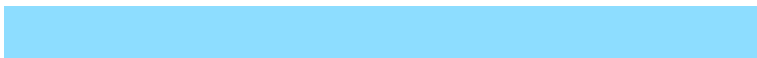
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7872, 0.3859, 0.3657



64.7872, 0.3033, 0.3820



64.7872, 0.2444, 0.2866



64.7872, 0.3190, 0.2832



# Rectangle

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



64.7872, 0.3859, 0.3657



64.7872, 0.3514, 0.3950



64.7872, 0.2444, 0.2866



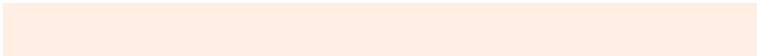
64.7872, 0.2726, 0.2688

# Sweetspot

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



64.7873, 0.3859, 0.3657



87.8046, 0.3312, 0.3397



52.9711, 0.3461, 0.2718



18.4902, 0.3337, 0.3411



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.



64.7873, 0.3859, 0.3657



59.0908, 0.4060, 0.3733



88.8689, 0.3700, 0.4090



19.1332, 0.3285, 0.3382



15.9544, 0.5743, 0.3822

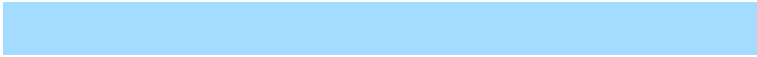


1.7572, 0.5531, 0.3990

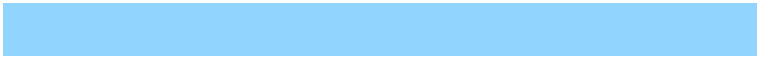


# Inverse Universe

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



66.2751, 0.2568, 0.2888



60.7581, 0.2458, 0.2790



45.6076, 0.2492, 0.2338



19.2384, 0.2979, 0.3196



16.6449, 0.1882, 0.1974



1.8324, 0.1928, 0.2140



# Previews

## White Background



This preview shows how the Yxy color 64.7872, 0.3859, 0.3657 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 64.7872, 0.3859, 0.3657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

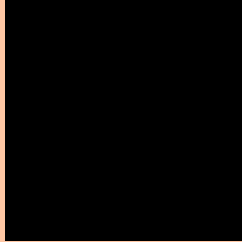
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.7872, 0.3859, 0.3657**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7872, 0.3859, 0.3657.



This preview shows how white text looks on a background with the Yxy color 64.7872, 0.3859, 0.3657.

# 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

64.7872, 0.3859, 0.3657

### Protanopia

64.8051, 0.3531, 0.3755

### Deuteranopia

64.6596, 0.3790, 0.3708



## Tritanopia

64.8443, 0.3513, 0.3157

# Trichromacy



**Original Color**

64.7872, 0.3859, 0.3657

**Protanomaly**

64.5948, 0.3647, 0.3721

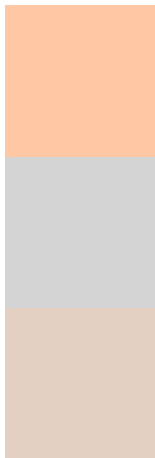
**Deuteranomaly**

64.7416, 0.3818, 0.3694

**Tritanomaly**

64.5456, 0.3640, 0.3333

# Monochromacy



**Original Color**

64.7872, 0.3859, 0.3657

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

65.0598, 0.3376, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7872, 0.3859, 0.3657 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, 199, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 164)  
}
```

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, 199, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7872, 0.3859, 0.3657 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, 199, 164) }
```

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

```
.border{ border-color:rgb(255, 199, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7872, 0.3859, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 164) }
```

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

```
.background{ background-color: rgb(255,  
199, 164) }
```

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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