

# Converting Colors

$Y_{xy}(71.2433, 0.4130, 0.3749)$

Have a look what the booklet for  
Yxy(71.2433, 0.4130, 0.3749)  
contains.

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# **Color**

**Yxy(65.8342, 0.3926, 0.3790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCA9A
RGB	255, 202, 154
RGB Percent	100%, 79%, 60%
CMY	0.0000, 0.2078, 0.3962
CMYK	0.00, 0.21, 0.40, 0.00
HSL	29°, 100%, 80%
HSV	29°, 40%, 100%
XYZ	68.1966, 65.8342, 39.6742
YIQ	212.3750, 46.9960, -3.6920

# Conversions

## Conversions Part 2

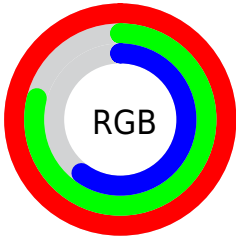
Format	Color
R <sub>Y</sub> B	255, 245, 154
Decimal	16763546
CIE Lab	84.91, 12.66, 31.14
CIE LCh	85, 33.611, 67.877
Yxy	65.8342, 0.3926, 0.3790
Android (android.graphics.Color)	4294953626 (0xFFFFCA9A)
YUV	212.3750, -28.7789, 37.3821
Hunter-Lab	81.1383, 8.0370, 27.8057

# Details

The Yxy color **65.8342, 0.3926, 0.3790** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.7022, 0.2491, 0.2724**, and the grayscale version is **66.2705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **33.8749, 0.4117, 0.3900** is the 20% darker color. If you saturate the color by 10%, you get **59.0644, 0.4191, 0.3912**, and if you desaturate by 10%, it is **73.3282, 0.3685, 0.3661**.

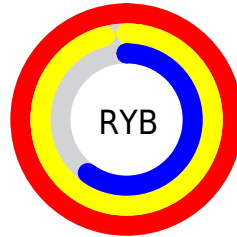
# Distribution



Red (100%)

Green (79%)

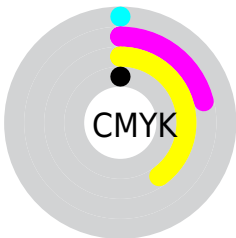
Blue (60%)



Red (100%)

Yellow (96%)

Blue (60%)

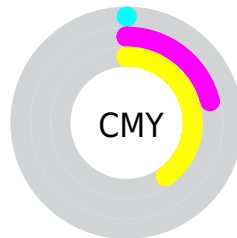


Cyan (0%)

Magenta (21%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (21%)


Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8342, 0.3926, 0.3790 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 65.8342, 0.3926, 0.3790 by changing the saturation by 10% instead.





 65.8342, 0.3926,  
0.3790

 65.8342, 0.3926,  
0.3790


445.7837, 0.3550,  
0.3567

 48.1378, 0.4012,  
0.3837

 113.2483, 0.3795,  
0.3715

 33.9360, 0.4119,  
0.3894


 143.7349, 0.3744,  
0.3685

 22.8445, 0.4253,  
0.3961


179.2536, 0.3700,  
0.3659

 14.4787, 0.4425,  
0.4042

220.1889, 0.3662,  
0.3637

 8.4544, 0.4653,  
0.4137

266.9252, 0.3629,  
0.3616

 4.3870, 0.4962,  
0.4240

319.8468, 0.3599,

 1.8923, 0.5551,

0.3598

0.4449

379.3382, 0.3573,  
0.3582

0.5438, 0.6030,  
0.3970

0.0000, 0.0000,  
0.0000

65.8342, 0.3926,  
0.3790

65.8342, 0.3926,  
0.3790

59.0644, 0.4191,  
0.3912

73.3282, 0.3685,  
0.3661

52.9943, 0.4475,  
0.4015

81.5709, 0.3472,  
0.3531

47.5965, 0.4765,  
0.4087

90.5847, 0.3284,  
0.3405

42.8414, 0.5045,  
0.4115

100.0000, 0.3127,  
0.3290

■ 38.6958, 0.5295,  
0.4089

■ 35.1158, 0.5502,  
0.4011

■ 34.9884, 0.5510,  
0.4007

# Harmonies

## Analogous

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



65.8342, 0.3941, 0.3471



65.8342, 0.3926, 0.3790



65.8342, 0.3688, 0.4006

# Triad

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



65.8342, 0.3926, 0.3790



65.8342, 0.2558, 0.3417



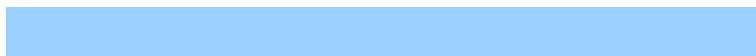
65.8342, 0.2906, 0.2660

# Complementary

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



65.8342, 0.3926, 0.3790



58.7022, 0.2491, 0.2724

# 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.



65.8342, 0.2567, 0.2616



65.8342, 0.3926, 0.3790



65.8342, 0.2377, 0.3020

# Square

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



65.8342, 0.3926, 0.3790



65.8342, 0.2894, 0.3804



65.8342, 0.2381, 0.2737



65.8342, 0.3329, 0.2846



# Rectangle

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



65.8342, 0.3926, 0.3790



65.8342, 0.3443, 0.4045



65.8342, 0.2381, 0.2737



65.8342, 0.2779, 0.2628

# Sweetspot

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



65.8339, 0.3926, 0.3790



88.3652, 0.3327, 0.3434



48.9108, 0.3590, 0.2737



18.6575, 0.3350, 0.3450



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.



65.8339, 0.3926, 0.3790



60.1107, 0.4147, 0.3893



92.9826, 0.3734, 0.4247



19.4114, 0.3282, 0.3403



18.5765, 0.5483, 0.4029

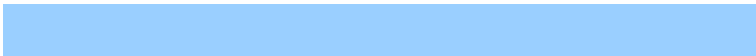


2.0257, 0.5298, 0.4175



# Inverse Universe

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



58.7022, 0.2491, 0.2724



52.0222, 0.2359, 0.2579



38.3187, 0.2396, 0.2111



18.9550, 0.2979, 0.3174



12.9513, 0.1794, 0.1657



1.4799, 0.1849, 0.1856



# Previews

## White Background



This preview shows how the Yxy color 65.8342, 0.3926, 0.3790 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 65.8342, 0.3926, 0.3790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

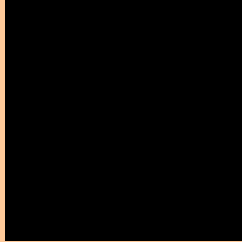
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.8342, 0.3926, 0.3790**

## Background



This preview shows how black text looks on a background with the Yxy color 65.8342, 0.3926, 0.3790.



This preview shows how white text looks on a background with the Yxy color 65.8342, 0.3926, 0.3790.

# 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

65.8342, 0.3926, 0.3790

### Protanopia

66.0496, 0.3638, 0.3894

### Deuteranopia

65.7404, 0.3897, 0.3805



## Tritanopia

65.8456, 0.3493, 0.3158

# Trichromacy



## Original Color

65.8342, 0.3926, 0.3790

## Protanomaly

65.7232, 0.3740, 0.3847

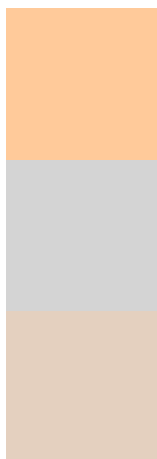
## Deuteranomaly

65.9276, 0.3905, 0.3803

## Tritanomaly

65.8246, 0.3649, 0.3385

# Monochromacy



## Original Color

65.8342, 0.3926, 0.3790

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.3673, 0.3404, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.8342, 0.3926, 0.3790 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, 202, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 154)  
}
```

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, 202, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 65.8342, 0.3926, 0.3790 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, 202, 154) }
```

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

```
.border{ border-color:rgb(255, 202, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.8342, 0.3926, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 154) }
```

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

```
.background{ background-color: rgb(255,  
202, 154) }
```

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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