

# Converting Colors

$Y_{xy}(71.8229, 0.4018, 0.3698)$

Have a look what the booklet for  
Yxy(71.8229, 0.4018, 0.3698)  
contains.

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# Color

**Yxy(67.5670, 0.3844, 0.3727)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCDA3
RGB	255, 205, 163
RGB Percent	100%, 80%, 64%
CMY	0.0000, 0.1961, 0.3606
CMYK	0.00, 0.20, 0.36, 0.00
HSL	27°, 100%, 82%
HSV	27°, 36%, 100%
XYZ	69.6881, 67.5670, 44.0355
YIQ	215.1620, 43.2820, -2.4620

# Conversions

## Conversions Part 2

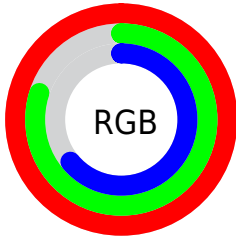
Format	Color
R <sub>Y</sub> B	255, 240, 163
Decimal	16764323
CIE Lab	85.79, 12.11, 27.60
CIE LCh	86, 30.138, 66.300
Yxy	67.5670, 0.3844, 0.3727
Android (android.graphics.Color)	4294954403 (0xFFFFCDA3)
YUV	215.1620, -25.7159, 34.9379
Hunter-Lab	82.1991, 7.4831, 25.7767

# Details

The Yxy color **67.5670, 0.3844, 0.3727** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.6179, 0.2551, 0.2805**, and the grayscale version is **68.2276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **35.1512, 0.4018, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **60.4019, 0.4106, 0.3848**, and if you desaturate by 10%, it is **75.5058, 0.3610, 0.3602**.

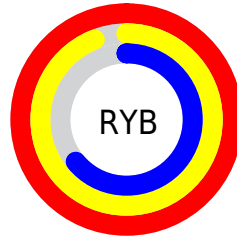
# Distribution



Red (100%)

Green (80%)

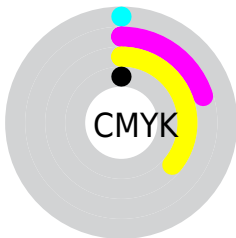
Blue (64%)



Red (100%)

Yellow (94%)

Blue (64%)

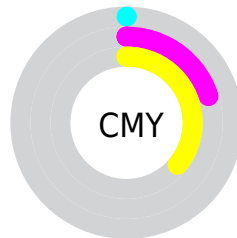


Cyan (0%)

Magenta (20%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5670, 0.3844, 0.3727 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 67.5670, 0.3844, 0.3727 by changing the saturation by 10% instead.




 67.5670, 0.3844,  
0.3727

 67.5670, 0.3844,  
0.3727


451.9603, 0.3507,  
0.3532

 49.5456, 0.3921,  
0.3769


 115.7325, 0.3726,  
0.3661

 35.0524, 0.4017,  
0.3819


 146.6453, 0.3681,  
0.3635

 23.7033, 0.4138,  
0.3880


182.6241, 0.3642,  
0.3612

 15.1137, 0.4295,  
0.3954

224.0531, 0.3608,  
0.3592

 8.8992, 0.4504,  
0.4044

271.3169, 0.3578,  
0.3575

 4.6755, 0.4792,  
0.4147

324.7997, 0.3551,

 2.0581, 0.5507,

0.3559

0.4493

384.8861, 0.3528,  
0.3545

0.6409, 0.5858,  
0.4142

0.0000, 0.0000,  
0.0000

67.5670, 0.3844,  
0.3727

67.5670, 0.3844,  
0.3727

60.4019, 0.4106,  
0.3848

75.5058, 0.3610,  
0.3602

53.9817, 0.4391,  
0.3954

84.2408, 0.3403,  
0.3478

48.2792, 0.4689,  
0.4034

93.7963, 0.3224,  
0.3359

43.2638, 0.4985,  
0.4075

100.0000, 0.3127,  
0.3290

■ 38.9019, 0.5257,  
0.4065

■ 35.1549, 0.5486,  
0.3999

■ 33.8328, 0.5566,  
0.3962

# Harmonies

## Analogous

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



67.5670, 0.3844, 0.3440



67.5670, 0.3844, 0.3727



67.5670, 0.3643, 0.3921

# Triad

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



67.5670, 0.3844, 0.3727



67.5670, 0.2633, 0.3424



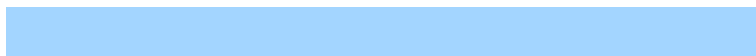
67.5670, 0.2913, 0.2719

# Complementary

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



67.5670, 0.3844, 0.3727



62.6179, 0.2551, 0.2805

# 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.



67.5670, 0.2614, 0.2689



67.5670, 0.3844, 0.3727



67.5670, 0.2460, 0.3070

# Square

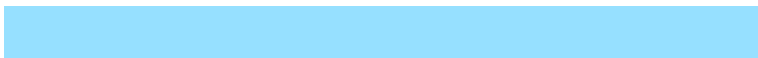
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.5670, 0.3844, 0.3727



67.5670, 0.2940, 0.3758



67.5670, 0.2454, 0.2808



67.5670, 0.3288, 0.2881



# Rectangle

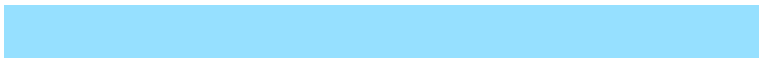
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.5670, 0.3844, 0.3727



67.5670, 0.3430, 0.3959



67.5670, 0.2454, 0.2808



67.5670, 0.2801, 0.2693

# Sweetspot

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



67.5678, 0.3844, 0.3727



88.9758, 0.3309, 0.3417



52.3029, 0.3521, 0.2772



18.7687, 0.3334, 0.3433



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.



67.5678, 0.3844, 0.3727



62.5170, 0.4023, 0.3812



92.5269, 0.3686, 0.4151



19.3525, 0.3283, 0.3399



17.9684, 0.5539, 0.3984

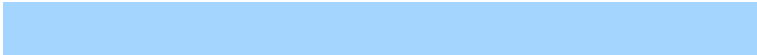


1.9647, 0.5347, 0.4136

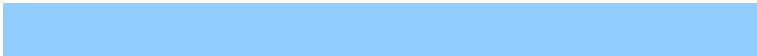


# Inverse Universe

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



62.6179, 0.2551, 0.2805



56.9186, 0.2441, 0.2692



42.8810, 0.2474, 0.2252



19.0144, 0.2979, 0.3179



13.6700, 0.1812, 0.1722



1.5496, 0.1865, 0.1915



# Previews

## White Background



This preview shows how the Yxy color 67.5670, 0.3844, 0.3727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

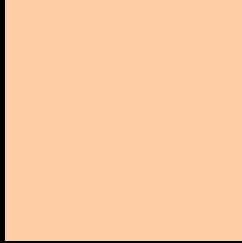
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.5670, 0.3844, 0.3727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

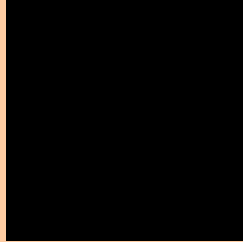
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.5670, 0.3844, 0.3727**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.5670, 0.3844, 0.3727.



This preview shows how white text looks on a background with the Yxy color 67.5670, 0.3844, 0.3727.

# 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

67.5670, 0.3844, 0.3727

### Protanopia

67.5412, 0.3576, 0.3813

### Deuteranopia

67.6696, 0.3824, 0.3740



## Tritanopia

67.4236, 0.3456, 0.3148

# Trichromacy



**Original Color**

67.5670, 0.3844, 0.3727

**Protanomaly**

67.5188, 0.3664, 0.3780

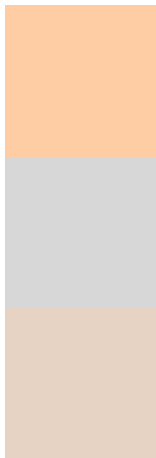
**Deuteranomaly**

67.8578, 0.3832, 0.3739

**Tritanomaly**

67.4412, 0.3602, 0.3364

# Monochromacy



**Original Color**

67.5670, 0.3844, 0.3727

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

67.3970, 0.3378, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.5670, 0.3844, 0.3727 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, 205, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 163)  
}
```

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, 205, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 67.5670, 0.3844, 0.3727 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, 205, 163) }
```

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

```
.border{ border-color:rgb(255, 205, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.5670, 0.3844, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 163) }
```

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

```
.background{ background-color: rgb(255,  
205, 163) }
```

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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