

# Converting Colors

$Y_{xy}(71.7059, 0.3770, 0.3744)$

Have a look what the booklet for  
Yxy(71.7059, 0.3770, 0.3744)  
contains.

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# Color

**Yxy(71.7131, 0.3770, 0.3745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5A9
RGB	255, 213, 169
RGB Percent	100%, 84%, 66%
CMY	0.0001, 0.1647, 0.3372
CMYK	0.00, 0.16, 0.34, 0.00
HSL	31°, 100%, 83%
HSV	31°, 34%, 100%
XYZ	72.1918, 71.7131, 47.5853
YIQ	220.5420, 39.1560, -4.7800

# Conversions

## Conversions Part 2

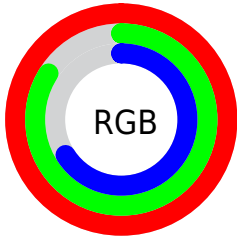
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 255, 169
Decimal	16766377
CIE Lab	87.83, 8.65, 27.24
CIE LCh	88, 28.584, 72.378
Yxy	71.7131, 0.3770, 0.3745
Android (android.graphics.Color)	4294956457 (0xFFFFD5A9)
YUV	220.5420, -25.4102, 30.2197
Hunter-Lab	84.6836, 3.9730, 25.9623

# Details

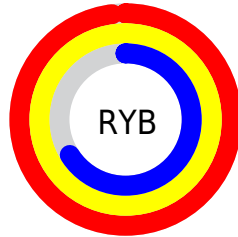
The Yxy color **71.7131, 0.3770, 0.3745** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.2417, 0.2582, 0.2785**, and the grayscale version is **72.1314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **37.6084, 0.3920, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **64.8252, 0.4012, 0.3881**, and if you desaturate by 10%, it is **79.2753, 0.3551, 0.3605**.

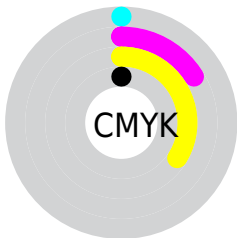
# Distribution



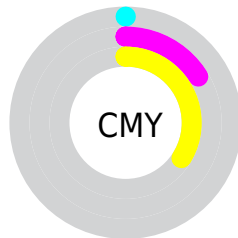
- Red (100%)
- Green (84%)
- Blue (66%)



- Red (98%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (16%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7131, 0.3770, 0.3745 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 71.7131, 0.3770, 0.3745 by changing the saturation by 10% instead.



 71.7131, 0.3770,  
0.3745

 71.7131, 0.3770,  
0.3745

466.5424, 0.3471,  
0.3541

 52.9243, 0.3838,  
0.3789

 121.6485, 0.3667,  
0.3676

 37.7424, 0.3921,  
0.3843


153.5640, 0.3626,  
0.3649

 25.7828, 0.4026,  
0.3908


190.6239, 0.3592,  
0.3625

 16.6612, 0.4161,  
0.3989

233.2125, 0.3561,  
0.3604

 9.9932, 0.4339,  
0.4090

281.7142, 0.3535,  
0.3585

 5.3945, 0.4583,  
0.4216

336.5135, 0.3511,

 2.4805, 0.5070,

0.3569

0.4487

397.9948, 0.3490,  
0.3554

0.8669, 0.5479,  
0.4521

0.0000, 0.0000,  
0.0000

71.7131, 0.3770,  
0.3745

71.7131, 0.3770,  
0.3745

64.8252, 0.4012,  
0.3881

79.2753, 0.3551,  
0.3605

58.5798, 0.4274,  
0.4005

87.5220, 0.3356,  
0.3468

52.9573, 0.4547,  
0.4106

96.4761, 0.3185,  
0.3337

47.9325, 0.4817,  
0.4169

99.9960, 0.3127,  
0.3290

■ 43.4777, 0.5069,  
0.4184

■ 39.5614, 0.5284,  
0.4143

■ 37.3506, 0.5401,  
0.4094

# Harmonies

## Analogous

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



71.7131, 0.3809, 0.3490



71.7131, 0.3770, 0.3745



71.7131, 0.3553, 0.3896

# Triad

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



71.7131, 0.3770, 0.3745



71.7131, 0.2622, 0.3347



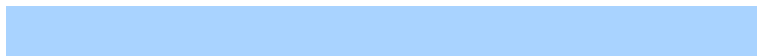
71.7131, 0.2996, 0.2778

# Complementary

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



71.7131, 0.3770, 0.3745



62.2417, 0.2582, 0.2785

# 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.



71.7131, 0.2696, 0.2723



71.7131, 0.3770, 0.3745



71.7131, 0.2490, 0.3029

# Square

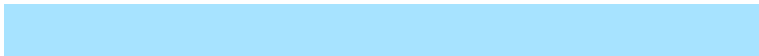
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.7131, 0.3770, 0.3745



71.7131, 0.2888, 0.3669



71.7131, 0.2517, 0.2808



71.7131, 0.3348, 0.2950



# Rectangle

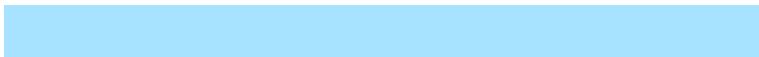
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7131, 0.3770, 0.3745



71.7131, 0.3343, 0.3904



71.7131, 0.2517, 0.2808



71.7131, 0.2886, 0.2745

# Sweetspot

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



71.7164, 0.3770, 0.3745



90.7770, 0.3290, 0.3418



54.3954, 0.3525, 0.2849



19.1649, 0.3315, 0.3437



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.



71.7164, 0.3770, 0.3745



67.3175, 0.3920, 0.3832



95.6283, 0.3637, 0.4133



19.5242, 0.3281, 0.3412



19.8202, 0.5376, 0.4113

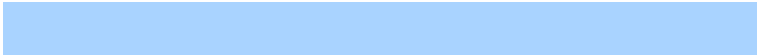


2.1486, 0.5205, 0.4249



# Inverse Universe

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



62.2417, 0.2582, 0.2785



56.6106, 0.2478, 0.2672



44.0424, 0.2516, 0.2280



18.8420, 0.2979, 0.3165



11.6679, 0.1760, 0.1535



1.3539, 0.1818, 0.1743



# Previews

## White Background



This preview shows how the Yxy color 71.7131, 0.3770, 0.3745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

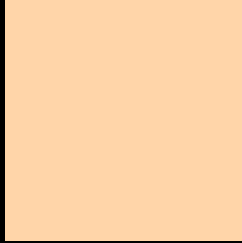
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7131, 0.3770, 0.3745 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 71.7131, 0.3770, 0.3745**

## Background



This preview shows how black text looks on a background with the Yxy color 71.7131, 0.3770, 0.3745.






This preview shows how white text looks on a background with the Yxy color 71.7131, 0.3770, 0.3745.

# 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

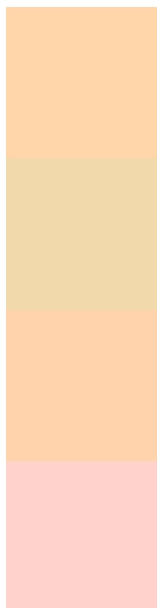
	<b>Original Color</b> 71.7131, 0.3770, 0.3745
	<b>Protanopia</b> 71.8271, 0.3571, 0.3811
	<b>Deuteranopia</b> 71.4816, 0.3721, 0.3663



## Tritanopia

71.6457, 0.3384, 0.3149

# Trichromacy



## Original Color

71.7131, 0.3770, 0.3745

## Protanomaly

71.4432, 0.3641, 0.3782

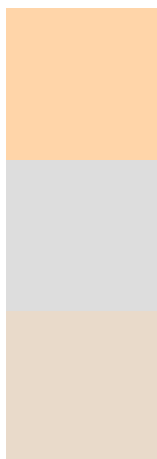
## Deuteranomaly

71.3641, 0.3744, 0.3694

## Tritanomaly

71.6650, 0.3522, 0.3363

# Monochromacy



## Original Color

71.7131, 0.3770, 0.3745

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.7307, 0.3347, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7131, 0.3770, 0.3745 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, 213, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 169)  
}
```

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, 213, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7131, 0.3770, 0.3745 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, 213, 169) }
```

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

```
.border{ border-color:rgb(255, 213, 169) }
```

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

Here you see how a box with a 4 pixel rgb(255, 213, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7131, 0.3770, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 169) }
```

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

```
.background{ background-color: rgb(255,  
213, 169) }
```

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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