

# Converting Colors

$Y_{xy}(97.3679, 0.4735, 0.3826)$

Have a look what the booklet for  
Yxy(97.3679, 0.4735, 0.3826)  
contains.

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# **Color**

**Yxy(71.1881, 0.3989, 0.4064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD68A
RGB	255, 214, 138
RGB Percent	100%, 84%, 54%
CMY	0.0000, 0.1608, 0.4588
CMYK	0.00, 0.16, 0.46, 0.00
HSL	39°, 100%, 77%
HSV	39°, 46%, 100%
XYZ	69.8743, 71.1881, 34.1051
YIQ	217.5950, 48.8320, -14.9440

# Conversions

## Conversions Part 2

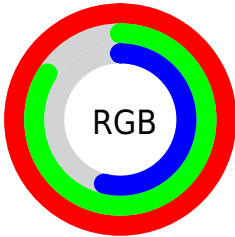
Format	Color
<b>RYB</b>	201, 255, 138
Decimal	16766602
CIELab	87.58, 4.81, 42.75
CIELCh	88, 43.024, 83.576
Yxy	71.1881, 0.3989, 0.4064
Android (android.graphics.Color)	4294956682 (0xFFFFD68A)
YUV	217.5950, -39.2403, 32.8042
Hunter-Lab	84.3730, 0.1737, 35.0950

# Details

The Yxy color **71.1881, 0.3989, 0.4064** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.8651, 0.2345, 0.2356**, and the grayscale version is **70.0700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **37.2039, 0.4182, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **66.1378, 0.4208, 0.4214**, and if you desaturate by 10%, it is **76.6666, 0.3776, 0.3897**.

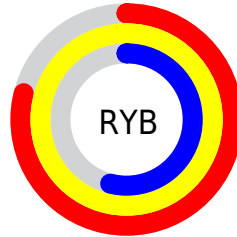
# Distribution



Red (100%)

Green (84%)

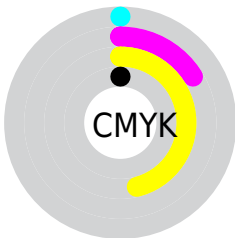
Blue (54%)



Red (79%)

Yellow (100%)

Blue (54%)

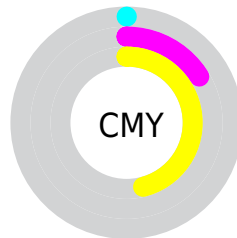


Cyan (0%)

Magenta (16%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1881, 0.3989, 0.4064 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 71.1881, 0.3989, 0.4064 by changing the saturation by 10% instead.




 71.1881, 0.3989,  
0.4064


 71.1881, 0.3989,  
0.4064


464.7107, 0.3597,  
0.3719

 52.4957, 0.4074,  
0.4137


 120.9015, 0.3856,  
0.3949

 37.4004, 0.4177,  
0.4223


 152.6913, 0.3803,  
0.3902

 25.5176, 0.4302,  
0.4326


 189.6158, 0.3757,  
0.3862

 16.4631, 0.4454,  
0.4447


232.0592, 0.3717,  
0.3827

 9.8525, 0.4638,  
0.4587

280.4060, 0.3681,  
0.3795

 5.3012, 0.4910,  
0.4788

335.0406, 0.3650,

 2.4251, 0.5118,

0.3767

0.4882

396.3474, 0.3622,  
0.3742

0.8387, 0.5222,  
0.4778

0.0000, 0.0000,  
0.0000

71.1881, 0.3989,  
0.4064

71.1881, 0.3989,  
0.4064

66.1378, 0.4208,  
0.4214

76.6666, 0.3776,  
0.3897

61.4894, 0.4424,  
0.4336

82.5782, 0.3574,  
0.3724

57.2283, 0.4626,  
0.4419

88.9401, 0.3388,  
0.3551

53.3340, 0.4802,  
0.4452

95.7657, 0.3219,  
0.3384

■ 49.7821, 0.4946, 99.9999, 0.3127,  
0.4432 0.3290

■ 48.4046, 0.4998,  
0.4414

# Harmonies

## Analogous

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



71.1881, 0.4170, 0.3713



71.1881, 0.3989, 0.4064



71.1881, 0.3580, 0.4238

# Triad

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



71.1881, 0.3989, 0.4064



71.1881, 0.2283, 0.3169



71.1881, 0.3117, 0.2621

# Complementary

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



71.1881, 0.3989, 0.4064



44.8651, 0.2345, 0.2356

# 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.



71.1881, 0.2632, 0.2472



71.1881, 0.3989, 0.4064



71.1881, 0.2183, 0.2740

# Square

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



71.1881, 0.3989, 0.4064



71.1881, 0.2597, 0.3696



71.1881, 0.2304, 0.2504



71.1881, 0.3646, 0.2916



# Rectangle

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



71.1881, 0.3989, 0.4064



71.1881, 0.3242, 0.4191



71.1881, 0.2304, 0.2504



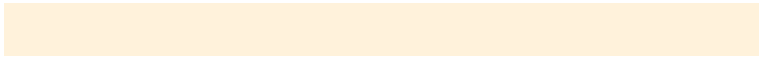
71.1881, 0.2943, 0.2553

# Sweetspot

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



71.1915, 0.3989, 0.4064



90.1871, 0.3355, 0.3519



42.7717, 0.3904, 0.2846



18.9976, 0.3393, 0.3556



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.



71.1915, 0.3989, 0.4064



66.5657, 0.4189, 0.4202



91.7755, 0.3700, 0.4464



19.9565, 0.3278, 0.3444



25.5834, 0.4981, 0.4427



2.6962, 0.4868, 0.4517



# Inverse Universe

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



44.8651, 0.2345, 0.2356



37.3607, 0.2185, 0.2129



32.2310, 0.2358, 0.1881



18.4188, 0.2979, 0.3131



7.7885, 0.1644, 0.1120



0.9541, 0.1707, 0.1344



# Previews

## White Background



This preview shows how the Yxy color 71.1881, 0.3989, 0.4064 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 71.1881, 0.3989, 0.4064 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 71.1881, 0.3989, 0.4064**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1881, 0.3989, 0.4064.



This preview shows how white text looks on a background with the Yxy color 71.1881, 0.3989, 0.4064.

# 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

71.1881, 0.3989, 0.4064

### Protanopia

71.4306, 0.3822, 0.4141

### Deuteranopia

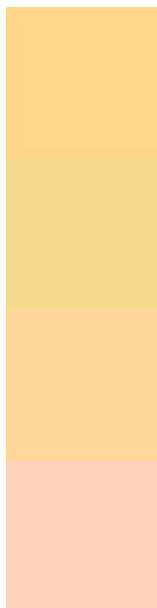
70.9913, 0.3818, 0.3797



## Tritanopia

71.0530, 0.3400, 0.3159

# Trichromacy



## Original Color

71.1881, 0.3989, 0.4064

## Protanomaly

71.4194, 0.3885, 0.4117

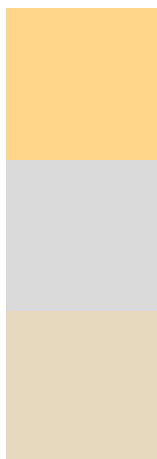
## Deuteranomaly

71.1816, 0.3880, 0.3898

## Tritanomaly

71.0709, 0.3621, 0.3497

# Monochromacy



## Original Color

71.1881, 0.3989, 0.4064

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.2888, 0.3426, 0.3597

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1881, 0.3989, 0.4064 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, 214, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 138)  
}
```

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, 214, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1881, 0.3989, 0.4064 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, 214, 138) }
```

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

```
.border{ border-color:rgb(255, 214, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1881, 0.3989, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 138) }
```

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

```
.background{ background-color: rgb(255,  
214, 138) }
```

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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