

# Converting Colors

$Y_{xy}(81.9298, 0.4058, 0.3562)$

Have a look what the booklet for  
Yxy(81.9298, 0.4058, 0.3562)  
contains.

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# Color

**Yxy(71.6832, 0.3684, 0.3611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4B5
RGB	255, 212, 181
RGB Percent	100%, 83%, 71%
CMY	0.0000, 0.1686, 0.2902
CMYK	0.00, 0.17, 0.29, 0.00
HSL	25°, 100%, 85%
HSV	25°, 29%, 100%
XYZ	73.1323, 71.6832, 53.6979
YIQ	221.3230, 35.5790, -0.5250

# Conversions

## Conversions Part 2

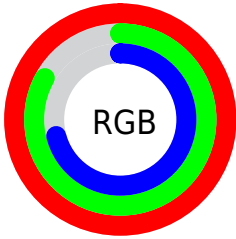
Format	Color
R <sub>Y</sub> B	255, 234, 181
Decimal	16766133
CIE Lab	87.82, 10.69, 20.98
CIE LCh	88, 23.545, 63.002
Yxy	71.6832, 0.3684, 0.3611
Android (android.graphics.Color)	4294956213 (0xFFFFD4B5)
YUV	221.3230, -19.8792, 29.5347
Hunter-Lab	84.6659, 6.0185, 21.6625

# Details

The Yxy color **71.6832, 0.3684, 0.3611** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **70.3591, 0.2669, 0.2945**, and the grayscale version is **72.6657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **37.5428, 0.3816, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **63.6555, 0.3934, 0.3726**, and if you desaturate by 10%, it is **80.5774, 0.3465, 0.3496**.

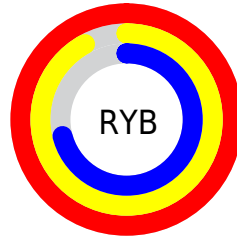
# Distribution



Red (100%)

Green (83%)

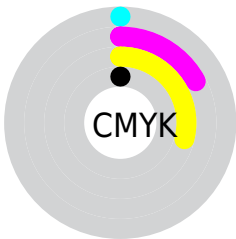
Blue (71%)



Red (100%)

Yellow (92%)

Blue (71%)

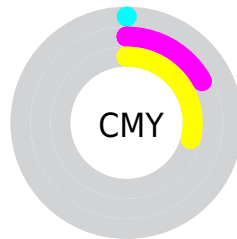


Cyan (0%)

Magenta (17%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6832, 0.3684, 0.3611 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 71.6832, 0.3684, 0.3611 by changing the saturation by 10% instead.




 71.6832, 0.3684,  
0.3611

 71.6832, 0.3684,  
0.3611

466.4382, 0.3424,  
0.3468

 52.8999, 0.3744,  
0.3642


 121.6060, 0.3594,  
0.3562

 37.7229, 0.3817,  
0.3680


153.5144, 0.3558,  
0.3543

 25.7677, 0.3911,  
0.3726


190.5665, 0.3528,  
0.3526

 16.6499, 0.4032,  
0.3784

233.1468, 0.3502,  
0.3512

 9.9852, 0.4196,  
0.3857

281.6398, 0.3479,  
0.3499

 5.3892, 0.4429,  
0.3950

336.4297, 0.3458,

 2.4774, 0.4797,

0.3487

0.4081

397.9011, 0.3440,  
0.3477

0.8653, 0.5613,  
0.4387

0.0000, 1.0000,  
0.0000

71.6832, 0.3684,  
0.3611

71.6832, 0.3684,  
0.3611

63.6555, 0.3934,  
0.3726

80.5774, 0.3465,  
0.3496

56.4734, 0.4214,  
0.3834

90.3731, 0.3275,  
0.3385

50.1038, 0.4519,  
0.3925

100.0000, 0.3127,  
0.3290

44.5141, 0.4836,  
0.3987

■ 39.6689, 0.5146,  
0.4005

■ 35.5288, 0.5426,  
0.3971

■ 32.0449, 0.5655,  
0.3885

■ 31.7343, 0.5676,  
0.3875

# Harmonies

## Analogous

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



71.6832, 0.3664, 0.3386



71.6832, 0.3684, 0.3611



71.6832, 0.3549, 0.3765

# Triad

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



71.6832, 0.3684, 0.3611



71.6832, 0.2769, 0.3425



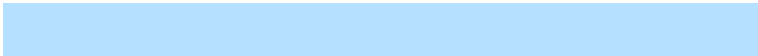
71.6832, 0.2935, 0.2837

# Complementary

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



71.6832, 0.3684, 0.3611



70.3591, 0.2669, 0.2945

# 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.



71.6832, 0.2711, 0.2829



71.6832, 0.3684, 0.3611



71.6832, 0.2619, 0.3154

# Square

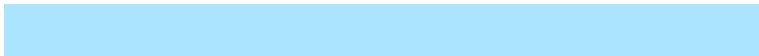
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6832, 0.3684, 0.3611



71.6832, 0.3017, 0.3665



71.6832, 0.2598, 0.2939



71.6832, 0.3220, 0.2953



# Rectangle

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



71.6832, 0.3684, 0.3611



71.6832, 0.3393, 0.3799



71.6832, 0.2598, 0.2939



71.6832, 0.2850, 0.2821

# Sweetspot

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



71.6807, 0.3684, 0.3611



90.3924, 0.3275, 0.3385



59.6994, 0.3403, 0.2852



19.0304, 0.3301, 0.3400



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.



71.6807, 0.3684, 0.3611



66.7778, 0.3830, 0.3680



92.2447, 0.3583, 0.3963



19.2372, 0.3284, 0.3390



16.8611, 0.5647, 0.3898

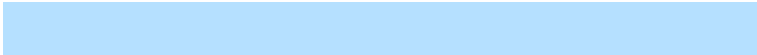


1.8518, 0.5444, 0.4060

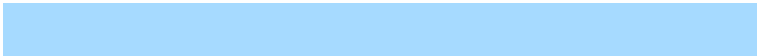


# Inverse Universe

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



70.3591, 0.2669, 0.2945



65.2454, 0.2574, 0.2861



52.6561, 0.2622, 0.2514



19.1316, 0.2979, 0.3188



15.1738, 0.1848, 0.1853



1.6935, 0.1898, 0.2033



# Previews

## White Background



This preview shows how the Yxy color 71.6832, 0.3684, 0.3611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

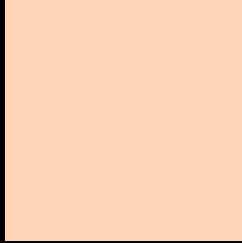
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6832, 0.3684, 0.3611 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

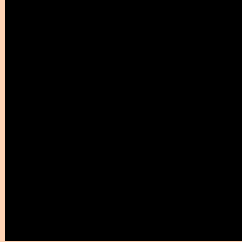
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.6832, 0.3684, 0.3611**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6832, 0.3684, 0.3611.



This preview shows how white text looks on a background with the Yxy color 71.6832, 0.3684, 0.3611.

# 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

71.6832, 0.3684, 0.3611

### Protanopia

71.8450, 0.3456, 0.3672

### Deuteranopia

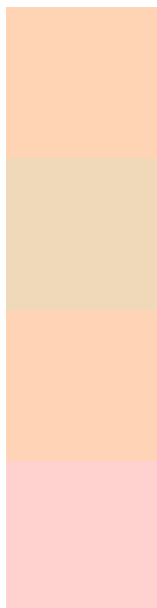
71.7244, 0.3676, 0.3601



## Tritanopia

71.6457, 0.3384, 0.3149

# Trichromacy



## Original Color

71.6832, 0.3684, 0.3611

## Protanomaly

71.6117, 0.3531, 0.3644

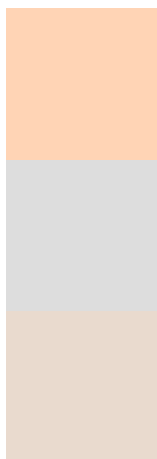
## Deuteranomaly

71.7244, 0.3676, 0.3601

## Tritanomaly

71.3659, 0.3494, 0.3312

# Monochromacy



## Original Color

71.6832, 0.3684, 0.3611

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.9227, 0.3319, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6832, 0.3684, 0.3611 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, 212, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 181)  
}
```

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, 212, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6832, 0.3684, 0.3611 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, 212, 181) }
```

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

```
.border{ border-color:rgb(255, 212, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6832, 0.3684, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 181) }
```

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

```
.background{ background-color: rgb(255,  
212, 181) }
```

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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