

# Converting Colors

$Y_{xy}(100.0000, 0.4561, 0.3583)$

Have a look what the booklet for  
Yxy(100.0000, 0.4561, 0.3583)  
contains.

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# **Color**

**Yxy(71.8271, 0.3748, 0.3714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5AC
RGB	255, 213, 172
RGB Percent	100%, 84%, 67%
CMY	0.0000, 0.1647, 0.3254
CMYK	0.00, 0.16, 0.33, 0.00
HSL	30°, 100%, 84%
HSV	30°, 33%, 100%
XYZ	72.4846, 71.8271, 49.0838
YIQ	220.8840, 38.1930, -3.8470

# Conversions

## Conversions Part 2

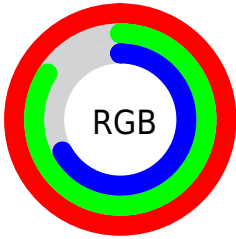
Format	Color
R <sub>Y</sub> B	255, 253, 172
Decimal	16766380
CIE Lab	87.89, 9.03, 25.76
CIE LCh	88, 27.298, 70.678
Yxy	71.8271, 0.3748, 0.3714
Android (android.graphics.Color)	4294956460 (0xFFFFD5AC)
YUV	220.8840, -24.0998, 29.9197
Hunter-Lab	84.7509, 4.3512, 24.9876

# Details

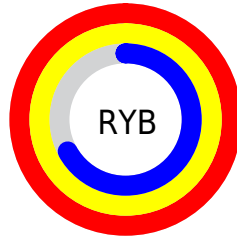
The Yxy color **71.8271, 0.3748, 0.3714** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.0969, 0.2603, 0.2823**, and the grayscale version is **72.3745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **37.6559, 0.3900, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **64.7042, 0.3992, 0.3847**, and if you desaturate by 10%, it is **79.6580, 0.3529, 0.3579**.

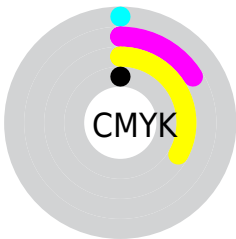
# Distribution



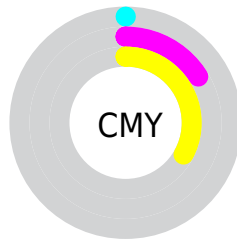
- Red (100%)
- Green (84%)
- Blue (67%)



- Red (100%)
- Yellow (99%)
- Blue (67%)



- Cyan (0%)
- Magenta (16%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8271, 0.3748, 0.3714 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 71.8271, 0.3748, 0.3714 by changing the saturation by 10% instead.





 71.8271, 0.3748,  
0.3714

 71.8271, 0.3748,  
0.3714


466.9396, 0.3459,  
0.3524

 53.0174, 0.3814,  
0.3755

 121.8107, 0.3648,  
0.3650

 37.8167, 0.3895,  
0.3805


153.7534, 0.3609,  
0.3624

 25.8405, 0.3996,  
0.3866


190.8426, 0.3575,  
0.3602

 16.7043, 0.4128,  
0.3942

233.4627, 0.3546,  
0.3583

 10.0239, 0.4303,  
0.4038

281.9980, 0.3520,  
0.3565

 5.4148, 0.4544,  
0.4157

336.8330, 0.3498,

 2.4926, 0.4990,

0.3550

0.4385

398.3521, 0.3477,  
0.3536

0.8730, 0.5502,  
0.4498

0.0000, 0.0000,  
0.0000

71.8271, 0.3748,  
0.3714

71.8271, 0.3748,  
0.3714

64.7042, 0.3992,  
0.3847

79.6580, 0.3529,  
0.3579

58.2617, 0.4257,  
0.3968

88.2136, 0.3336,  
0.3447

52.4769, 0.4537,  
0.4068

97.5158, 0.3167,  
0.3321

47.3236, 0.4817,  
0.4133

100.0000, 0.3127,  
0.3290

■ 42.7729, 0.5081,  
0.4150

■ 38.7923, 0.5310,  
0.4111

■ 36.1648, 0.5454,  
0.4051

# Harmonies

## Analogous

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



71.8271, 0.3774, 0.3467



71.8271, 0.3748, 0.3714



71.8271, 0.3550, 0.3864

# Triad

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



71.8271, 0.3748, 0.3714



71.8271, 0.2656, 0.3363



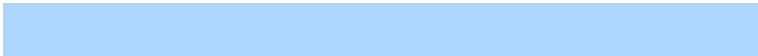
71.8271, 0.2984, 0.2793

# Complementary

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



71.8271, 0.3748, 0.3714



64.0969, 0.2603, 0.2823

# 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.



71.8271, 0.2702, 0.2749



71.8271, 0.3748, 0.3714



71.8271, 0.2521, 0.3057

# Square

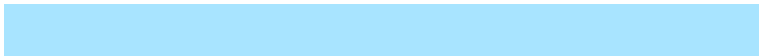
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8271, 0.3748, 0.3714



71.8271, 0.2917, 0.3666



71.8271, 0.2538, 0.2838



71.8271, 0.3320, 0.2953



# Rectangle

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



71.8271, 0.3748, 0.3714



71.8271, 0.3352, 0.3878



71.8271, 0.2538, 0.2838



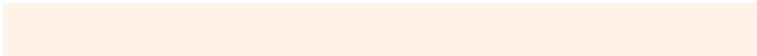
71.8271, 0.2880, 0.2764

# Sweetspot

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



71.8287, 0.3748, 0.3714



90.5050, 0.3291, 0.3414



55.6745, 0.3495, 0.2851



19.0992, 0.3315, 0.3432



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.



71.8287, 0.3748, 0.3714



67.1473, 0.3903, 0.3800



94.8802, 0.3624, 0.4093



19.4687, 0.3282, 0.3408



19.1946, 0.5429, 0.4072

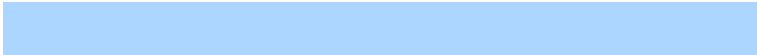


2.0870, 0.5250, 0.4213

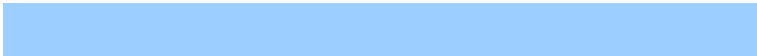


# Inverse Universe

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



64.0969, 0.2603, 0.2823



58.3307, 0.2498, 0.2712



46.0361, 0.2543, 0.2337



18.8975, 0.2979, 0.3170



12.2850, 0.1776, 0.1594



1.4148, 0.1833, 0.1798



# Previews

## White Background



This preview shows how the Yxy color 71.8271, 0.3748, 0.3714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

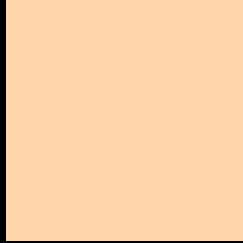
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8271, 0.3748, 0.3714 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 71.8271, 0.3748, 0.3714**

## Background



This preview shows how black text looks on a background with the Yxy color 71.8271, 0.3748, 0.3714.



This preview shows how white text looks on a background with the Yxy color 71.8271, 0.3748, 0.3714.

# 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

71.8271, 0.3748, 0.3714

### Protanopia

71.7740, 0.3542, 0.3780

### Deuteranopia

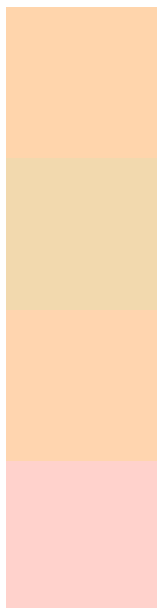
72.0228, 0.3711, 0.3663



## Tritanopia

71.6457, 0.3384, 0.3149

# Trichromacy



## Original Color

71.8271, 0.3748, 0.3714

## Protanomaly

71.5589, 0.3619, 0.3750

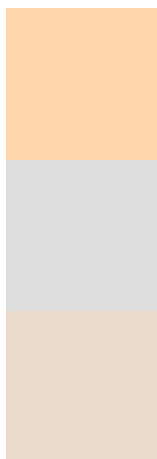
## Deuteranomaly

71.9436, 0.3726, 0.3683

## Tritanomaly

71.7128, 0.3515, 0.3353

# Monochromacy



## Original Color

71.8271, 0.3748, 0.3714

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.7782, 0.3340, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8271, 0.3748, 0.3714 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8271, 0.3748, 0.3714 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, 172) }
```

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

```
.border{ border-color:rgb(255, 213, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8271, 0.3748, 0.3714 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, 172) }
```

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

```
.background{ background-color: rgb(255,  
213, 172) }
```

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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