

# Converting Colors

$Y_{xy}(71.4411, 0.3716, 0.3653)$

Have a look what the booklet for  
Yxy(71.4411, 0.3716, 0.3653)  
contains.

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# Color

**Yxy(71.5213, 0.3714, 0.3653)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4B1
RGB	255, 212, 177
RGB Percent	100%, 83%, 69%
CMY	0.0000, 0.1686, 0.3060
CMYK	0.00, 0.17, 0.31, 0.00
HSL	27°, 100%, 85%
HSV	27°, 31%, 100%
XYZ	72.7156, 71.5213, 51.5509
YIQ	220.8670, 36.8630, -1.7690

# Conversions

## Conversions Part 2

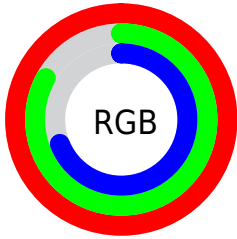
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 240, 177
Decimal	16766129
CIE Lab	87.74, 10.15, 22.98
CIE LCh	88, 25.122, 66.161
Yxy	71.5213, 0.3714, 0.3653
Android (android.graphics.Color)	4294956209 (0xFFFFD4B1)
YUV	220.8670, -21.6264, 29.9346
Hunter-Lab	84.5703, 5.4807, 23.0582

# Details

The Yxy color **71.5213, 0.3714, 0.3653** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.7264, 0.2640, 0.2895**, and the grayscale version is **72.3437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **37.4395, 0.3856, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **63.8799, 0.3963, 0.3775**, and if you desaturate by 10%, it is **79.9704, 0.3494, 0.3530**.

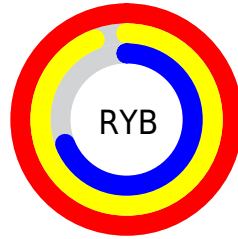
# Distribution



Red (100%)

Green (83%)

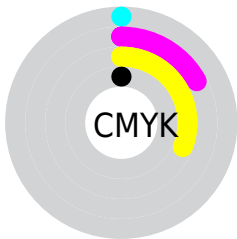
Blue (69%)



Red (100%)

Yellow (94%)

Blue (69%)

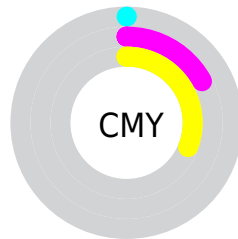


Cyan (0%)

Magenta (17%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5213, 0.3714, 0.3653 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 71.5213, 0.3714, 0.3653 by changing the saturation by 10% instead.




 71.5213, 0.3714,  
0.3653

 71.5213, 0.3714,  
0.3653


465.8737, 0.3440,  
0.3491

 52.7677, 0.3777,  
0.3688


 121.3757, 0.3619,  
0.3598

 37.6174, 0.3854,  
0.3731


153.2453, 0.3582,  
0.3576

 25.6859, 0.3952,  
0.3783


190.2557, 0.3550,  
0.3557

 16.5888, 0.4079,  
0.3848

232.7914, 0.3522,  
0.3541

 9.9417, 0.4249,  
0.3931

281.2366, 0.3498,  
0.3526

 5.3603, 0.4489,  
0.4035

335.9758, 0.3477,

 2.4602, 0.4890,

0.3513

0.4202

397.3933, 0.3457,  
0.3501

0.8566, 0.5581,  
0.4419

0.0000, 1.0000,  
0.0000

71.5213, 0.3714,  
0.3653

71.5213, 0.3714,  
0.3653

63.8799, 0.3963,  
0.3775

79.9704, 0.3494,  
0.3530

57.0103, 0.4238,  
0.3889

89.2420, 0.3302,  
0.3410

50.8879, 0.4533,  
0.3984

99.3629, 0.3136,  
0.3297

45.4829, 0.4836,  
0.4046

99.9992, 0.3127,  
0.3290

■ 40.7627, 0.5128,  
0.4063

■ 36.6911, 0.5386,  
0.4026

■ 33.4105, 0.5587,  
0.3946

# Harmonies

## Analogous

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



71.5213, 0.3711, 0.3418



71.5213, 0.3714, 0.3653



71.5213, 0.3553, 0.3807

# Triad

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



71.5213, 0.3714, 0.3653



71.5213, 0.2722, 0.3403



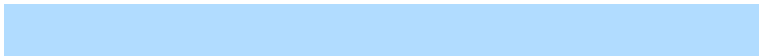
71.5213, 0.2952, 0.2816

# Complementary

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



71.5213, 0.3714, 0.3653



67.7264, 0.2640, 0.2895

# 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.



71.5213, 0.2704, 0.2794



71.5213, 0.3714, 0.3653



71.5213, 0.2576, 0.3116

# Square

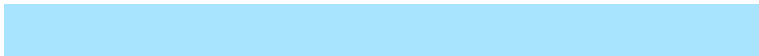
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5213, 0.3714, 0.3653



71.5213, 0.2977, 0.3670



71.5213, 0.2570, 0.2897



71.5213, 0.3259, 0.2950



# Rectangle

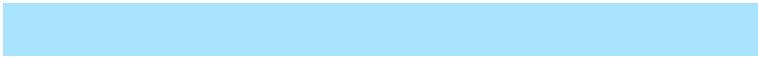
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5213, 0.3714, 0.3653



71.5213, 0.3380, 0.3834



71.5213, 0.2570, 0.2897



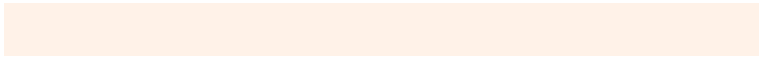
71.5213, 0.2859, 0.2795

# Sweetspot

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



71.5246, 0.3714, 0.3653



90.8058, 0.3274, 0.3391



57.9220, 0.3433, 0.2840



19.1320, 0.3300, 0.3408



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.



71.5246, 0.3714, 0.3653



66.5429, 0.3870, 0.3732



92.6757, 0.3605, 0.4011



19.3303, 0.3283, 0.3397



17.7465, 0.5560, 0.3968

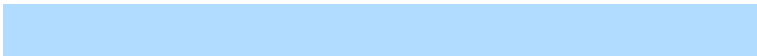


1.9423, 0.5366, 0.4122



# Inverse Universe

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



67.7264, 0.2640, 0.2895



62.1626, 0.2538, 0.2798



50.0897, 0.2588, 0.2449



19.0370, 0.2979, 0.3181



13.9497, 0.1819, 0.1747



1.5765, 0.1872, 0.1938



# Previews

## White Background



This preview shows how the Yxy color 71.5213, 0.3714, 0.3653 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

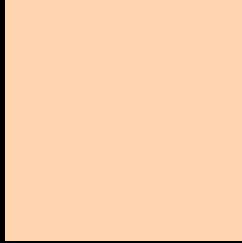
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.5213, 0.3714, 0.3653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

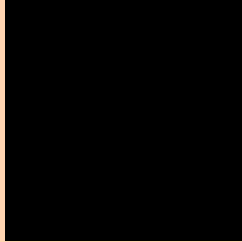
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.5213, 0.3714, 0.3653**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5213, 0.3714, 0.3653.



This preview shows how white text looks on a background with the Yxy color 71.5213, 0.3714, 0.3653.

# 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

71.5213, 0.3714, 0.3653

### Protanopia

71.8462, 0.3492, 0.3715

### Deuteranopia

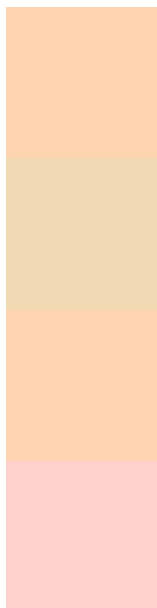
71.6016, 0.3699, 0.3632



## Tritanopia

71.5922, 0.3391, 0.3159

# Trichromacy



## Original Color

71.5213, 0.3714, 0.3653

## Protanomaly

71.6218, 0.3568, 0.3686

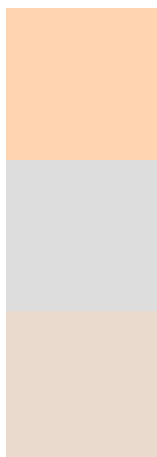
## Deuteranomaly

71.5613, 0.3706, 0.3642

## Tritanomaly

71.2687, 0.3509, 0.3332

# Monochromacy



## Original Color

71.5213, 0.3714, 0.3653

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.8742, 0.3326, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5213, 0.3714, 0.3653 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5213, 0.3714, 0.3653 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, 177) }
```

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

```
.border{ border-color:rgb(255, 212, 177) }
```

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, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5213, 0.3714, 0.3653 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
212, 177) }
```

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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