

# Converting Colors

$Y_{xy}(102.2641, 0.4320, 0.3404)$

Have a look what the booklet for  
Yxy(102.2641, 0.4320, 0.3404)  
contains.

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# Color

**Yxy(74.5888, 0.3525, 0.3444)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD8C9
RGB	255, 216, 201
RGB Percent	100%, 85%, 79%
CMY	0.0000, 0.1529, 0.2117
CMYK	0.00, 0.15, 0.21, 0.00
HSL	17°, 100%, 89%
HSV	17°, 21%, 100%
XYZ	76.3431, 74.5888, 65.6442
YIQ	225.9510, 28.0590, 3.6030

# Conversions

## Conversions Part 2

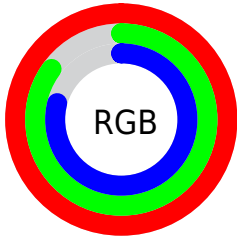
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 222, 201
Decimal	16767177
CIE Lab	89.20, 11.33, 12.42
CIE LCh	89, 16.814, 47.631
Yxy	74.5888, 0.3525, 0.3444
Android (android.graphics.Color)	4294957257 (0xFFFFD8C9)
YUV	225.9510, -12.3008, 25.4760
Hunter-Lab	86.3648, 6.6485, 15.3902

# Details

The Yxy color **74.5888, 0.3525, 0.3444** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.9731, 0.2800, 0.3131**, and the grayscale version is **76.0927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.6021, 0.3624, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **64.5708, 0.3770, 0.3522**, and if you desaturate by 10%, it is **85.8674, 0.3318, 0.3369**.

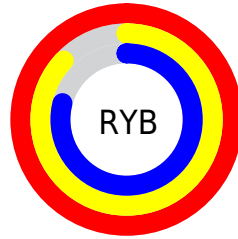
# Distribution



Red (100%)

Green (85%)

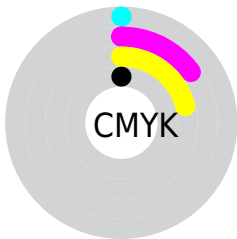
Blue (79%)



Red (100%)

Yellow (87%)

Blue (79%)

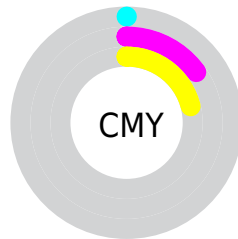


Cyan (0%)

Magenta (15%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5888, 0.3525, 0.3444 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 74.5888, 0.3525, 0.3444 by changing the saturation by 10% instead.




 74.5888, 0.3525,  
0.3444

 74.5888, 0.3525,  
0.3444


476.5030, 0.3340,  
0.3376

 55.2761, 0.3567,  
0.3459


125.7301, 0.3461,  
0.3421

 39.6228, 0.3620,  
0.3476


158.3275, 0.3436,  
0.3412

 27.2446, 0.3686,  
0.3498


196.1219, 0.3414,  
0.3404

 17.7570, 0.3773,  
0.3526

239.4977, 0.3396,  
0.3397

 10.7757, 0.3891,  
0.3561

288.8394, 0.3379,  
0.3391

 5.9162, 0.4061,  
0.3606

344.5312, 0.3365,

 2.7942, 0.4325,

0.3385

0.3666

406.9576, 0.3352,  
0.3380

1.0252, 0.5090,  
0.3977

0.0000, 1.0000,  
0.0000

74.5888, 0.3525,  
0.3444

74.5888, 0.3525,  
0.3444

64.5708, 0.3770,  
0.3522

85.8674, 0.3318,  
0.3369

55.7644, 0.4059,  
0.3598

98.4445, 0.3145,  
0.3298

48.1238, 0.4390,  
0.3667

100.0000, 0.3127,  
0.3290

41.5984, 0.4758,  
0.3719

■ 36.1337, 0.5143,  
0.3743

■ 31.6703, 0.5515,  
0.3727

■ 28.1419, 0.5834,  
0.3664

■ 25.7363, 0.6048,  
0.3580

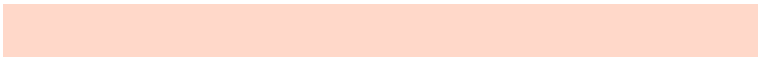
# Harmonies

## Analogous

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



74.5888, 0.3453, 0.3274



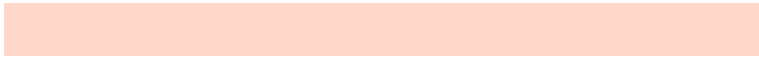
74.5888, 0.3525, 0.3444



74.5888, 0.3486, 0.3581

# Triad

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



74.5888, 0.3525, 0.3444



74.5888, 0.2958, 0.3477



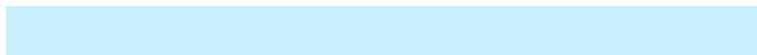
74.5888, 0.2902, 0.2953

# Complementary

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



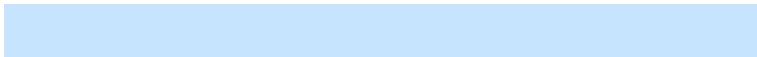
74.5888, 0.3525, 0.3444



81.9731, 0.2800, 0.3131

# 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.



74.5888, 0.2778, 0.2994



74.5888, 0.3525, 0.3444



74.5888, 0.2810, 0.3293

# Square

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



74.5888, 0.3525, 0.3444



74.5888, 0.3155, 0.3608



74.5888, 0.2745, 0.3116



74.5888, 0.3089, 0.2997

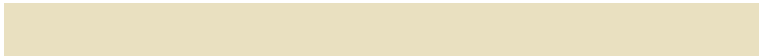


# Rectangle

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



74.5888, 0.3525, 0.3444



74.5888, 0.3403, 0.3634



74.5888, 0.2745, 0.3116



74.5888, 0.2852, 0.2957

# Sweetspot

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



74.5902, 0.3525, 0.3444



92.2022, 0.3225, 0.3332



69.3708, 0.3255, 0.2896



19.5595, 0.3236, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

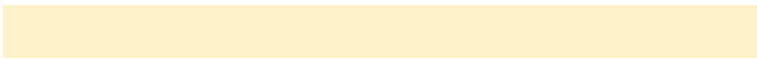
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.5902, 0.3525, 0.3444



70.6044, 0.3614, 0.3474



89.2238, 0.3472, 0.3703



18.8074, 0.3287, 0.3357



13.6616, 0.6019, 0.3603

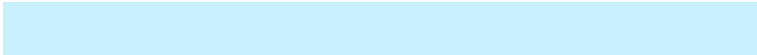


1.5043, 0.5799, 0.3777

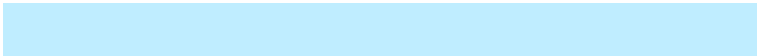


# Inverse Universe

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



81.9731, 0.2800, 0.3131



79.0765, 0.2742, 0.3098



67.5399, 0.2779, 0.2840



19.5790, 0.2980, 0.3222



22.0007, 0.1989, 0.2359

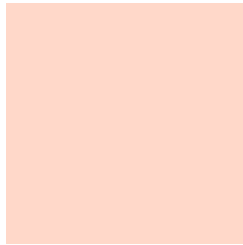


2.3260, 0.2022, 0.2478



# Previews

## White Background



This preview shows how the Yxy color 74.5888, 0.3525, 0.3444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

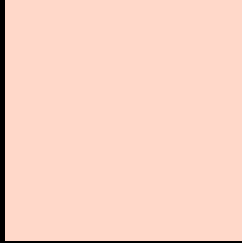
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5888, 0.3525, 0.3444 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

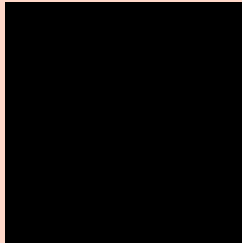
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.5888, 0.3525, 0.3444**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5888, 0.3525, 0.3444.

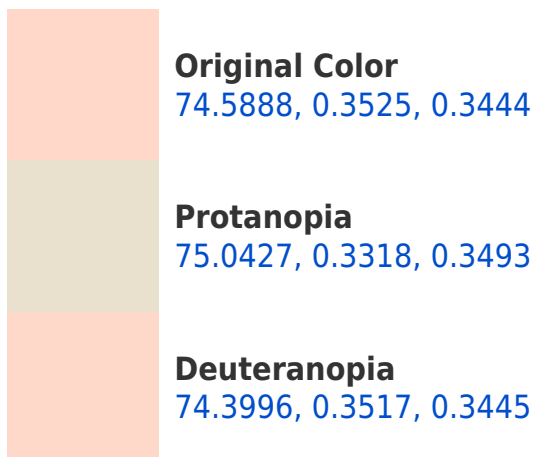


This preview shows how white text looks on a background with the Yxy color 74.5888, 0.3525, 0.3444.

# 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

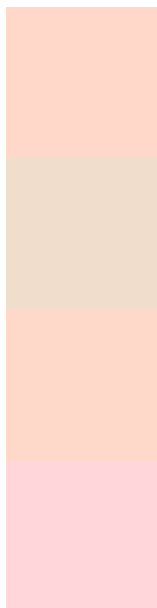




## Tritanopia

74.4499, 0.3334, 0.3140

# Trichromacy



## Original Color

74.5888, 0.3525, 0.3444

## Protanomaly

74.7733, 0.3389, 0.3470

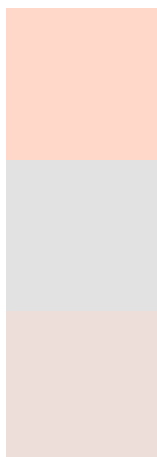
## Deuteranomaly

74.3996, 0.3517, 0.3445

## Tritanomaly

74.4151, 0.3404, 0.3250

# Monochromacy



## Original Color

74.5888, 0.3525, 0.3444

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.2568, 0.3268, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5888, 0.3525, 0.3444 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, 216, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 201)  
}
```

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, 216, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5888, 0.3525, 0.3444 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, 216, 201) }
```

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

```
.border{ border-color:rgb(255, 216, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5888, 0.3525, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 201) }
```

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

```
.background{ background-color: rgb(255,  
216, 201) }
```

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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