

# Converting Colors

$Y_{xy}(122.1495, 0.4893, 0.3531)$

Have a look what the booklet for  
Yxy(122.1495, 0.4893, 0.3531)  
contains.

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# Color

**Yxy(72.4091, 0.3730, 0.3704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD6AE
RGB	255, 214, 174
RGB Percent	100%, 84%, 68%
CMY	0.0001, 0.1607, 0.3178
CMYK	0.00, 0.16, 0.32, 0.00
HSL	30°, 100%, 84%
HSV	30°, 32%, 100%
XYZ	72.9174, 72.4091, 50.1625
YIQ	221.6990, 37.2760, -3.7480

# Conversions

## Conversions Part 2

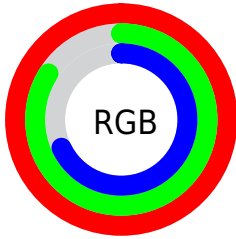
Format	Color
R <sub>Y</sub> B	255, 253, 174
Decimal	16766638
CIE Lab	88.17, 8.73, 25.13
CIE LCh	88, 26.602, 70.835
Yxy	72.4091, 0.3730, 0.3704
Android (android.graphics.Color)	4294956718 (0xFFFFD6AE)
YUV	221.6990, -23.5156, 29.2050
Hunter-Lab	85.0935, 4.0445, 24.6141

# Details

The Yxy color **72.4091, 0.3730, 0.3704** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.7787, 0.2616, 0.2835**, and the grayscale version is **72.9719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **38.0471, 0.3876, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **65.2405, 0.3972, 0.3837**, and if you desaturate by 10%, it is **80.2897, 0.3513, 0.3569**.

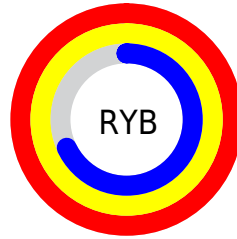
# Distribution



Red (100%)

Green (84%)

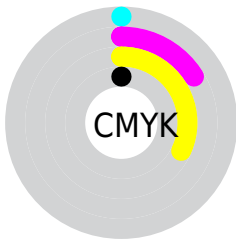
Blue (68%)



Red (100%)

Yellow (99%)

Blue (68%)

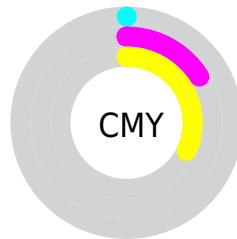


Cyan (0%)

Magenta (16%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4091, 0.3730, 0.3704 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 72.4091, 0.3730, 0.3704 by changing the saturation by 10% instead.




 72.4091, 0.3730,  
0.3704

 72.4091, 0.3730,  
0.3704


468.9643, 0.3450,  
0.3518

 53.4929, 0.3794,  
0.3744


 122.6380, 0.3633,  
0.3641

 38.1964, 0.3872,  
0.3793


154.7195, 0.3595,  
0.3616

 26.1352, 0.3971,  
0.3853


191.9582, 0.3563,  
0.3595

 16.9248, 0.4098,  
0.3928

234.7386, 0.3534,  
0.3576

 10.1809, 0.4268,  
0.4022

283.4450, 0.3509,  
0.3559

 5.5191, 0.4503,  
0.4141

338.4618, 0.3487,

 2.5549, 0.4914,

0.3544

0.4349

400.1734, 0.3468,  
0.3531

0.9041, 0.5475,  
0.4525

0.0000, 1.0000,  
0.0000

72.4091, 0.3730,  
0.3704

72.4091, 0.3730,  
0.3704

65.2405, 0.3972,  
0.3837

80.2897, 0.3513,  
0.3569

58.7511, 0.4236,  
0.3960

88.8936, 0.3322,  
0.3437

52.9204, 0.4514,  
0.4062

98.2444, 0.3154,  
0.3311

47.7222, 0.4795,  
0.4130

99.9953, 0.3127,  
0.3290

■ 43.1280, 0.5060,  
0.4151

■ 39.1056, 0.5292,  
0.4117

■ 36.1907, 0.5453,  
0.4052

# Harmonies

## Analogous

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



72.4091, 0.3756, 0.3465



72.4091, 0.3730, 0.3704



72.4091, 0.3537, 0.3848

# Triad

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



72.4091, 0.3730, 0.3704



72.4091, 0.2668, 0.3360



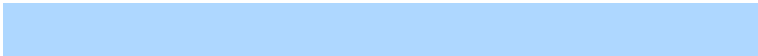
72.4091, 0.2990, 0.2807

# Complementary

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



72.4091, 0.3730, 0.3704



64.7787, 0.2616, 0.2835

# Split Complementary

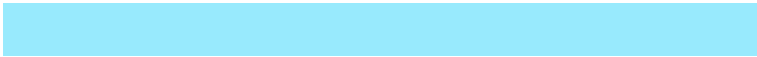
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4091, 0.2715, 0.2763



72.4091, 0.3730, 0.3704



72.4091, 0.2537, 0.3063

# Square

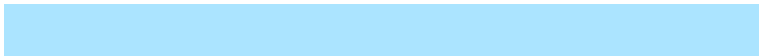
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4091, 0.3730, 0.3704



72.4091, 0.2921, 0.3653



72.4091, 0.2554, 0.2850



72.4091, 0.3316, 0.2963



# Rectangle

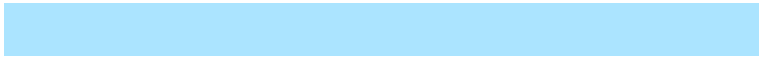
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4091, 0.3730, 0.3704



72.4091, 0.3345, 0.3860



72.4091, 0.2554, 0.2850



72.4091, 0.2889, 0.2778

# Sweetspot

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



72.4125, 0.3730, 0.3704



90.5128, 0.3290, 0.3414



56.4654, 0.3483, 0.2862



19.1011, 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.



72.4125, 0.3730, 0.3704



67.8771, 0.3878, 0.3788



94.9560, 0.3612, 0.4074



19.4703, 0.3282, 0.3408



19.2123, 0.5427, 0.4073

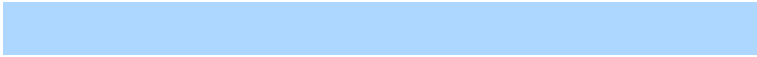


2.0888, 0.5249, 0.4214

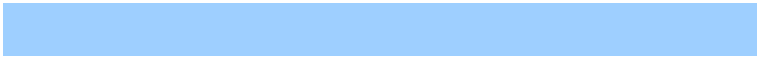


# Inverse Universe

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



64.7787, 0.2616, 0.2835



59.1709, 0.2514, 0.2729



46.9994, 0.2559, 0.2363



18.8959, 0.2979, 0.3169



12.2668, 0.1776, 0.1593



1.4130, 0.1833, 0.1797



# Previews

## White Background



This preview shows how the Yxy color 72.4091, 0.3730, 0.3704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

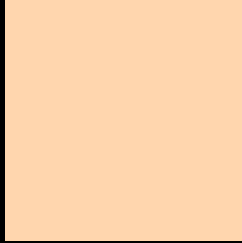
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4091, 0.3730, 0.3704 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 72.4091, 0.3730, 0.3704**

## Background



This preview shows how black text looks on a background with the Yxy color 72.4091, 0.3730, 0.3704.



This preview shows how white text looks on a background with the Yxy color 72.4091, 0.3730, 0.3704.

# 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

72.4091, 0.3730, 0.3704

### Protanopia

72.5494, 0.3533, 0.3767

### Deuteranopia

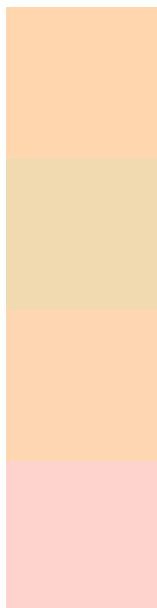
72.6484, 0.3685, 0.3642



## Tritanopia

72.1886, 0.3375, 0.3149

# Trichromacy



## Original Color

72.4091, 0.3730, 0.3704

## Protanomaly

72.1546, 0.3602, 0.3738

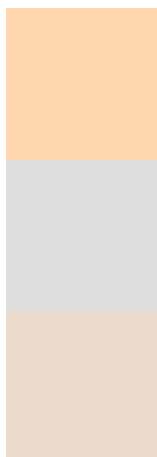
## Deuteranomaly

72.5675, 0.3700, 0.3662

## Tritanomaly

72.2563, 0.3505, 0.3352

# Monochromacy



## Original Color

72.4091, 0.3730, 0.3704

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.5632, 0.3332, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4091, 0.3730, 0.3704 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4091, 0.3730, 0.3704 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, 174) }
```

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

```
.border{ border-color:rgb(255, 214, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4091, 0.3730, 0.3704 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, 174) }
```

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

```
.background{ background-color: rgb(255,  
214, 174) }
```

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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