

# Converting Colors

$Y_{xy}(74.8369, 0.3833, 0.3733)$

Have a look what the booklet for  
Yxy(74.8369, 0.3833, 0.3733)  
contains.

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# Color

**Yxy(72.8012, 0.3749, 0.3744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7AB
RGB	255, 215, 171
RGB Percent	100%, 84%, 67%
CMY	0.0000, 0.1569, 0.3293
CMYK	0.00, 0.16, 0.33, 0.00
HSL	31°, 100%, 84%
HSV	31°, 33%, 100%
XYZ	72.8984, 72.8012, 48.7480
YIQ	221.9440, 37.9640, -5.2040

# Conversions

## Conversions Part 2

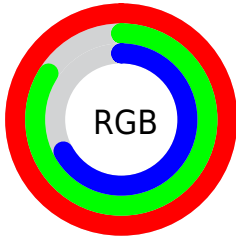
Format	Color
R <sub>Y</sub> B	247, 255, 171
Decimal	16766891
CIE Lab	88.35, 7.88, 26.92
CIE LCh	88, 28.048, 73.673
Yxy	72.8012, 0.3749, 0.3744
Android (android.graphics.Color)	4294956971 (0xFFFFD7AB)
YUV	221.9440, -25.1154, 28.9901
Hunter-Lab	85.3236, 3.1897, 25.8523

# Details

The Yxy color **72.8012, 0.3749, 0.3744** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.4813, 0.2593, 0.2786**, and the grayscale version is **73.1655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **38.3199, 0.3899, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **65.9617, 0.3987, 0.3884**, and if you desaturate by 10%, it is **80.2864, 0.3533, 0.3601**.

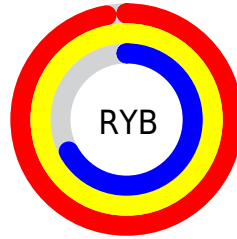
# Distribution



Red (100%)

Green (84%)

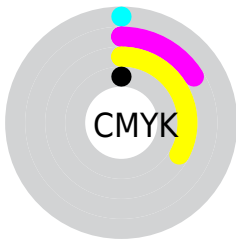
Blue (67%)



Red (97%)

Yellow (100%)

Blue (67%)

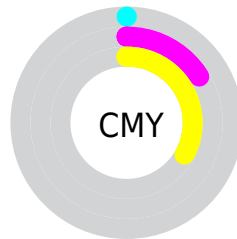


Cyan (0%)

Magenta (16%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8012, 0.3749, 0.3744 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 72.8012, 0.3749, 0.3744 by changing the saturation by 10% instead.




 72.8012, 0.3749,  
0.3744

 72.8012, 0.3749,  
0.3744


470.3255, 0.3461,  
0.3540

 53.8134, 0.3814,  
0.3788


 123.1949, 0.3649,  
0.3675

 38.4525, 0.3894,  
0.3842


155.3697, 0.3611,  
0.3648

 26.3341, 0.3995,  
0.3907


192.7089, 0.3577,  
0.3624

 17.0737, 0.4124,  
0.3989

235.5970, 0.3548,  
0.3603

 10.2871, 0.4295,  
0.4092

284.4183, 0.3522,  
0.3585

 5.5897, 0.4529,  
0.4221

339.5572, 0.3499,

 2.5972, 0.4963,

0.3568

0.4469

401.3981, 0.3479,  
0.3554

0.9253, 0.5415,  
0.4585

0.0000, 1.0000,  
0.0000

72.8012, 0.3749,  
0.3744

72.8012, 0.3749,  
0.3744

65.9617, 0.3987,  
0.3884

80.2864, 0.3533,  
0.3601

59.7490, 0.4244,  
0.4012

88.4386, 0.3342,  
0.3461

54.1403, 0.4511,  
0.4117

97.2759, 0.3173,  
0.3328

49.1115, 0.4776,  
0.4187

100.0000, 0.3127,  
0.3290

■ 44.6363, 0.5024,  
0.4208

■ 40.6842, 0.5237,  
0.4174

■ 38.1808, 0.5365,  
0.4122

# Harmonies

## Analogous

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



72.8012, 0.3795, 0.3498



72.8012, 0.3749, 0.3744



72.8012, 0.3531, 0.3885

# Triad

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



72.8012, 0.3749, 0.3744



72.8012, 0.2625, 0.3331



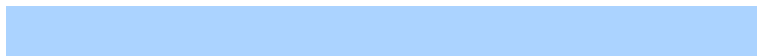
72.8012, 0.3014, 0.2794

# Complementary

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



72.8012, 0.3749, 0.3744



62.4813, 0.2593, 0.2786

# Split Complementary

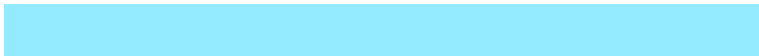
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8012, 0.2717, 0.2736



72.8012, 0.3749, 0.3744



72.8012, 0.2502, 0.3024

# Square

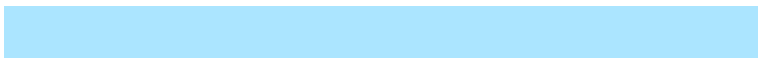
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8012, 0.3749, 0.3744



72.8012, 0.2881, 0.3647



72.8012, 0.2535, 0.2812



72.8012, 0.3358, 0.2967

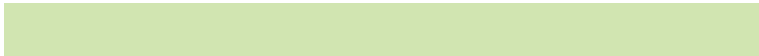


# Rectangle

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



72.8012, 0.3749, 0.3744



72.8012, 0.3324, 0.3887



72.8012, 0.2535, 0.2812



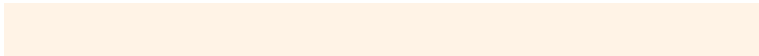
72.8012, 0.2905, 0.2761

# Sweetspot

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



72.8006, 0.3749, 0.3744



90.9584, 0.3290, 0.3421



55.1280, 0.3525, 0.2873



19.2088, 0.3314, 0.3440



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.



72.8006, 0.3749, 0.3744



67.9014, 0.3915, 0.3844



95.4566, 0.3616, 0.4117



19.5612, 0.3281, 0.3415



20.2516, 0.5341, 0.4141



2.1907, 0.5175, 0.4273



# Inverse Universe

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



62.4813, 0.2593, 0.2786



56.0401, 0.2475, 0.2657



45.1726, 0.2542, 0.2309



18.8052, 0.2979, 0.3162



11.2722, 0.1749, 0.1496



1.3146, 0.1808, 0.1707



# Previews

## White Background



This preview shows how the Yxy color 72.8012, 0.3749, 0.3744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

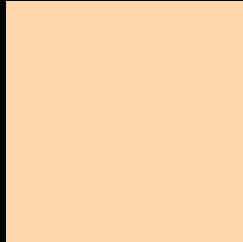
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8012, 0.3749, 0.3744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

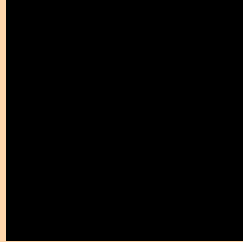
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.8012, 0.3749, 0.3744**

## Background



This preview shows how black text looks on a background with the Yxy color 72.8012, 0.3749, 0.3744.



This preview shows how white text looks on a background with the Yxy color 72.8012, 0.3749, 0.3744.

# 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

72.8012, 0.3749, 0.3744

### Protanopia

73.1314, 0.3559, 0.3808

### Deuteranopia

72.6484, 0.3685, 0.3642



## Tritanopia

72.7350, 0.3366, 0.3150

# Trichromacy



**Original Color**

72.8012, 0.3749, 0.3744

**Protanomaly**

72.7349, 0.3629, 0.3779

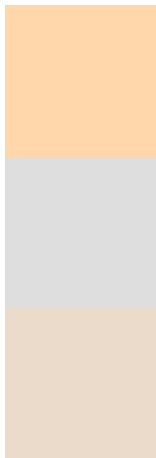
**Deuteranomaly**

72.5275, 0.3708, 0.3673

**Tritanomaly**

72.7547, 0.3504, 0.3363

# Monochromacy



**Original Color**

72.8012, 0.3749, 0.3744

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

72.4673, 0.3346, 0.3462

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8012, 0.3749, 0.3744 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, 215, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 171)  
}
```

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, 215, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8012, 0.3749, 0.3744 is called "border". The border property can be set on classes, ids or directly on the HTML element.

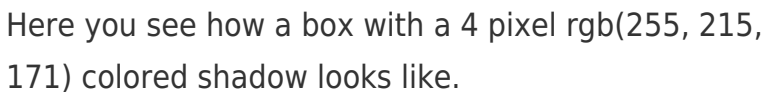
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 215, 171) }
```

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

```
.border{ border-color:rgb(255, 215, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 215, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8012, 0.3749, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 171) }
```

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

```
.background{ background-color: rgb(255,  
215, 171) }
```

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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