

# Converting Colors

$Y_{xy}(76.7528, 0.3851, 0.3739)$

Have a look what the booklet for  
Yxy(76.7528, 0.3851, 0.3739)  
contains.

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# Color

**Yxy(73.8643, 0.3735, 0.3754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9AC
RGB	255, 217, 172
RGB Percent	100%, 85%, 67%
CMY	0.0001, 0.1489, 0.3255
CMYK	0.00, 0.15, 0.33, 0.00
HSL	33°, 100%, 84%
HSV	33°, 33%, 100%
XYZ	73.4905, 73.8643, 49.4068
YIQ	223.2320, 37.0930, -5.9390

# Conversions

## Conversions Part 2

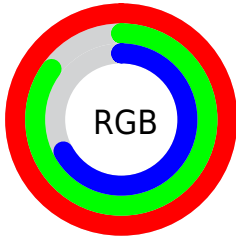
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 255, 172
Decimal	16767404
CIE Lab	88.86, 6.94, 27.10
CIE LCh	89, 27.977, 75.634
Yxy	73.8643, 0.3735, 0.3754
Android (android.graphics.Color)	4294957484 (0xFFFFD9AC)
YUV	223.2320, -25.2574, 27.8605
Hunter-Lab	85.9443, 2.2316, 26.0770

# Details

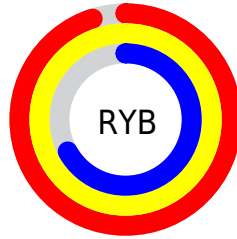
The Yxy color **73.8643, 0.3735, 0.3754** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.0521, 0.2597, 0.2775**, and the grayscale version is **74.1283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **39.0429, 0.3880, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **67.1786, 0.3968, 0.3899**, and if you desaturate by 10%, it is **81.1696, 0.3523, 0.3606**.

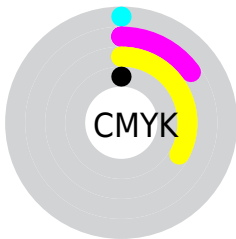
# Distribution



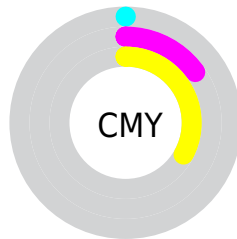
- Red (100%)
- Green (85%)
- Blue (67%)



- Red (95%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (15%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8643, 0.3735, 0.3754 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 73.8643, 0.3735, 0.3754 by changing the saturation by 10% instead.




 73.8643, 0.3735,  
0.3754

 73.8643, 0.3735,  
0.3754


474.0049, 0.3454,  
0.3546

 54.6830, 0.3798,  
0.3799

 124.7034, 0.3638,  
0.3683

 39.1480, 0.3876,  
0.3854


157.1300, 0.3600,  
0.3655

 26.8749, 0.3973,  
0.3922


194.7405, 0.3568,  
0.3631

 17.4793, 0.4098,  
0.4006

237.9192, 0.3539,  
0.3610

 10.5768, 0.4262,  
0.4112

287.0507, 0.3514,  
0.3591

 5.7830, 0.4486,  
0.4246

342.5192, 0.3492,

 2.7136, 0.4885,

0.3574

0.4489

404.7091, 0.3472,  
0.3559

0.9841, 0.5343,  
0.4657

0.0000, 1.0000,  
0.0000

73.8643, 0.3735,  
0.3754

73.8643, 0.3735,  
0.3754

67.1786, 0.3968,  
0.3899

81.1696, 0.3523,  
0.3606

61.0829, 0.4218,  
0.4032

89.1026, 0.3334,  
0.3462

55.5595, 0.4478,  
0.4143

97.6842, 0.3166,  
0.3324

50.5859, 0.4734,  
0.4218

99.9946, 0.3127,  
0.3290

■ 46.1370, 0.4973,  
0.4246

■ 42.1843, 0.5179,  
0.4218

■ 39.5340, 0.5309,  
0.4167

# Harmonies

## Analogous

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



73.8643, 0.3793, 0.3515



73.8643, 0.3735, 0.3754



73.8643, 0.3510, 0.3884

# Triad

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



73.8643, 0.3735, 0.3754



73.8643, 0.2616, 0.3310



73.8643, 0.3037, 0.2806

# Complementary

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



73.8643, 0.3735, 0.3754



62.0521, 0.2597, 0.2775

# 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.



73.8643, 0.2736, 0.2739



73.8643, 0.3735, 0.3754



73.8643, 0.2504, 0.3008

# Square

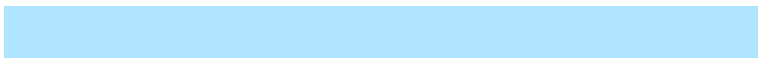
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.8643, 0.3735, 0.3754



73.8643, 0.2863, 0.3626



73.8643, 0.2547, 0.2807



73.8643, 0.3378, 0.2984



# Rectangle

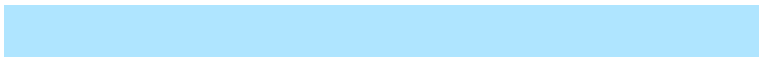
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.8643, 0.3735, 0.3754



73.8643, 0.3301, 0.3878



73.8643, 0.2547, 0.2807



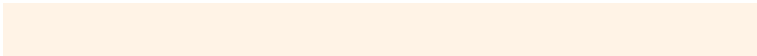
73.8643, 0.2928, 0.2770

# Sweetspot

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



73.8677, 0.3735, 0.3754



91.2483, 0.3289, 0.3426



55.4441, 0.3531, 0.2892



19.2789, 0.3314, 0.3446



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.



73.8677, 0.3735, 0.3754



69.4991, 0.3883, 0.3848



95.2139, 0.3601, 0.4111



19.6204, 0.3281, 0.3419



20.9650, 0.5286, 0.4185



2.2599, 0.5127, 0.4311



# Inverse Universe

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



62.0521, 0.2597, 0.2775



56.0327, 0.2488, 0.2652



45.8044, 0.2559, 0.2325



18.7465, 0.2979, 0.3158



10.6656, 0.1732, 0.1434



1.2538, 0.1792, 0.1650



# Previews

## White Background



This preview shows how the Yxy color 73.8643, 0.3735, 0.3754 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

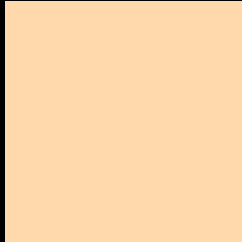
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8643, 0.3735, 0.3754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

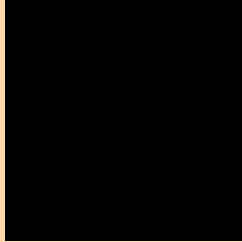
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.8643, 0.3735, 0.3754**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8643, 0.3735, 0.3754.



This preview shows how white text looks on a background with the Yxy color 73.8643, 0.3735, 0.3754.

# 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

73.8643, 0.3735, 0.3754

### Protanopia

74.0476, 0.3565, 0.3805

### Deuteranopia

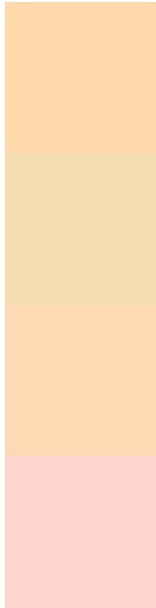
73.8324, 0.3650, 0.3620



## Tritanopia

73.8380, 0.3349, 0.3150

# Trichromacy



**Original Color**

73.8643, 0.3735, 0.3754

**Protanomaly**

74.0020, 0.3624, 0.3787

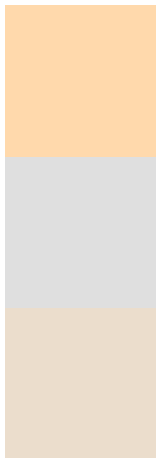
**Deuteranomaly**

73.6670, 0.3680, 0.3661

**Tritanomaly**

73.8094, 0.3492, 0.3373

# Monochromacy



**Original Color**

73.8643, 0.3735, 0.3754

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

73.7347, 0.3344, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8643, 0.3735, 0.3754 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, 217, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 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, 217, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8643, 0.3735, 0.3754 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, 217, 172) }
```

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

```
.border{ border-color:rgb(255, 217, 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, 217, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8643, 0.3735, 0.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 172) }
```

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

```
.background{ background-color: rgb(255,  
217, 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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