

# Converting Colors

$Y_{xy}(131.7526, 0.4982, 0.3530)$

Have a look what the booklet for  
Yxy(131.7526, 0.4982, 0.3530)  
contains.

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# Color

**Yxy(73.9417, 0.3721, 0.3733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9AE
RGB	255, 217, 174
RGB Percent	100%, 85%, 68%
CMY	0.0000, 0.1491, 0.3177
CMYK	0.00, 0.15, 0.32, 0.00
HSL	32°, 100%, 84%
HSV	32°, 32%, 100%
XYZ	73.7040, 73.9417, 50.4301
YIQ	223.4600, 36.4510, -5.3170

# Conversions

## Conversions Part 2

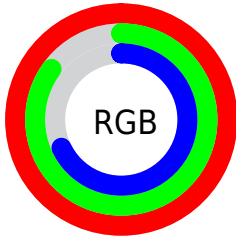
Format	Color
R <sub>Y</sub> B	246, 255, 174
Decimal	16767406
CIE Lab	88.89, 7.23, 26.11
CIE LCh	89, 27.094, 74.528
Yxy	73.9417, 0.3721, 0.3733
Android (android.graphics.Color)	4294957486 (0xFFFFD9AE)
YUV	223.4600, -24.3838, 27.6606
Hunter-Lab	85.9894, 2.5162, 25.4208

# Details

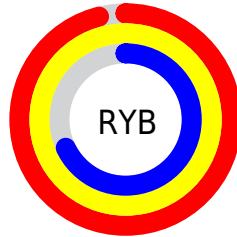
The Yxy color  $73.9417, 0.3721, 0.3733$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $63.3089, 0.2612, 0.2800$ , and the grayscale version is  $74.2886, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.4932, 0.3274, 0.3532$ , and  $39.0915, 0.3861, 0.3831$  is the 20% darker color. If you saturate the color by 10%, you get  $67.0889, 0.3955, 0.3875$ , and if you desaturate by 10%, it is  $81.4214, 0.3509, 0.3589$ .

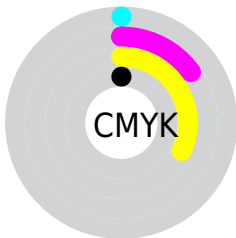
# Distribution



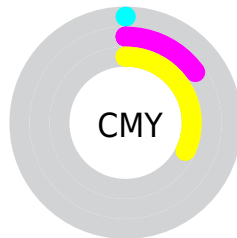
- Red (100%)
- Green (85%)
- Blue (68%)



- Red (96%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (15%)
- Yellow (32%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9417, 0.3721, 0.3733 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 73.9417, 0.3721, 0.3733 by changing the saturation by 10% instead.





 73.9417, 0.3721,  
0.3733

 73.9417, 0.3721,  
0.3733


474.2721, 0.3447,  
0.3534

 54.7463, 0.3783,  
0.3776

 124.8132, 0.3626,  
0.3666

 39.1987, 0.3859,  
0.3829


157.2580, 0.3589,  
0.3639

 26.9143, 0.3954,  
0.3893


194.8882, 0.3557,  
0.3616

 17.5089, 0.4077,  
0.3974

238.0880, 0.3530,  
0.3595

 10.5980, 0.4240,  
0.4076

287.2420, 0.3505,  
0.3577

 5.7972, 0.4462,  
0.4206

342.7344, 0.3483,

 2.7222, 0.4841,

0.3561

0.4424

404.9496, 0.3464,  
0.3547

0.9885, 0.5361,  
0.4639

0.0000, 1.0000,  
0.0000

73.9417, 0.3721,  
0.3733

73.9417, 0.3721,  
0.3733

67.0889, 0.3955,  
0.3875

81.4214, 0.3509,  
0.3589

60.8566, 0.4207,  
0.4007

89.5607, 0.3320,  
0.3447

55.2187, 0.4471,  
0.4117

98.3731, 0.3154,  
0.3313

50.1520, 0.4734,  
0.4193

100.0000, 0.3127,  
0.3290

■ 45.6307, 0.4981,  
0.4222

■ 41.6257, 0.5195,  
0.4197

■ 38.6845, 0.5344,  
0.4139

# Harmonies

## Analogous

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



73.9417, 0.3770, 0.3499



73.9417, 0.3721, 0.3733



73.9417, 0.3508, 0.3863

# Triad

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



73.9417, 0.3721, 0.3733



73.9417, 0.2639, 0.3321



73.9417, 0.3028, 0.2816

# Complementary

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



73.9417, 0.3721, 0.3733



63.3089, 0.2612, 0.2800

# Split Complementary

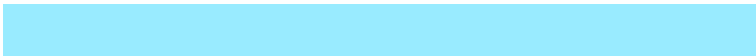
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9417, 0.2739, 0.2756



73.9417, 0.3721, 0.3733



73.9417, 0.2524, 0.3027

# Square

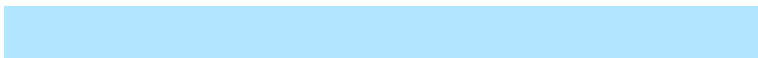
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.9417, 0.3721, 0.3733



73.9417, 0.2882, 0.3625



73.9417, 0.2560, 0.2827



73.9417, 0.3358, 0.2986



# Rectangle

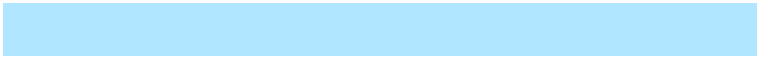
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.9417, 0.3721, 0.3733



73.9417, 0.3308, 0.3861



73.9417, 0.2560, 0.2827



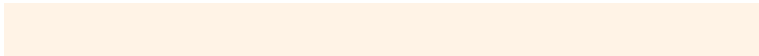
73.9417, 0.2923, 0.2782

# Sweetspot

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



73.9371, 0.3721, 0.3733



91.0670, 0.3289, 0.3423



56.3431, 0.3507, 0.2888



19.2350, 0.3314, 0.3442



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.



73.9371, 0.3721, 0.3733



69.5941, 0.3864, 0.3823



95.5808, 0.3599, 0.4088



19.5834, 0.3281, 0.3416



20.5153, 0.5320, 0.4158



2.2163, 0.5157, 0.4288



# Inverse Universe

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



63.3089, 0.2612, 0.2800



57.4802, 0.2507, 0.2686



46.6457, 0.2566, 0.2350



18.7832, 0.2979, 0.3160



11.0413, 0.1742, 0.1472



1.2915, 0.1802, 0.1686



# Previews

## White Background



This preview shows how the Yxy color 73.9417, 0.3721, 0.3733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

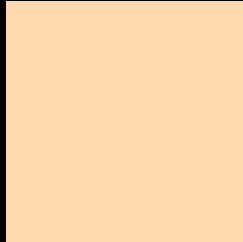
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9417, 0.3721, 0.3733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

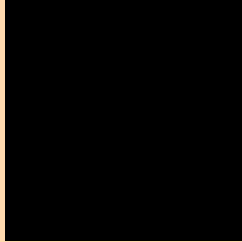
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.9417, 0.3721, 0.3733**

## Background



This preview shows how black text looks on a background with the Yxy color 73.9417, 0.3721, 0.3733.



This preview shows how white text looks on a background with the Yxy color 73.9417, 0.3721, 0.3733.

# 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

73.9417, 0.3721, 0.3733

### Protanopia

74.1268, 0.3551, 0.3783

### Deuteranopia

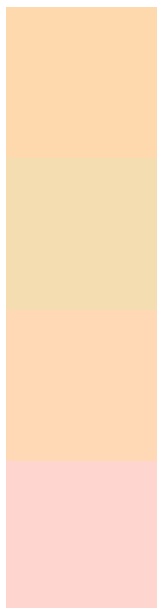
73.8745, 0.3643, 0.3610



## Tritanopia

73.8380, 0.3349, 0.3150

# Trichromacy



## Original Color

73.9417, 0.3721, 0.3733

## Protanomaly

74.0806, 0.3609, 0.3766

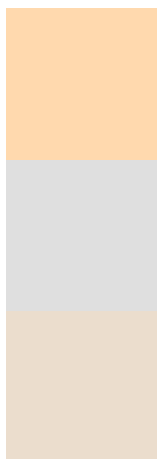
## Deuteranomaly

73.7079, 0.3672, 0.3651

## Tritanomaly

73.8581, 0.3485, 0.3362

# Monochromacy



## Original Color

73.9417, 0.3721, 0.3733

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.7828, 0.3337, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9417, 0.3721, 0.3733 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 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, 217, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9417, 0.3721, 0.3733 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, 174) }
```

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

```
.border{ border-color:rgb(255, 217, 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, 217, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9417, 0.3721, 0.3733 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, 174) }
```

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

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