

# Converting Colors

$Y_{xy}(74.4956, 0.3861, 0.3970)$

Have a look what the booklet for  
Yxy(74.4956, 0.3861, 0.3970)  
contains.

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# Color

**Yxy(74.7463, 0.3859, 0.3974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDC99
RGB	255, 220, 153
RGB Percent	100%, 86%, 60%
CMY	0.0000, 0.1372, 0.3998
CMYK	0.00, 0.14, 0.40, 0.00
HSL	39°, 100%, 80%
HSV	39°, 40%, 100%
XYZ	72.5833, 74.7463, 40.7587
YIQ	222.8270, 42.3670, -13.4170

# Conversions

## Conversions Part 2

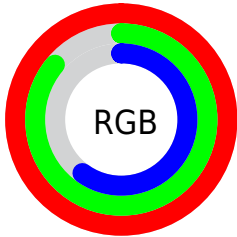
Format	Color
R <sub>Y</sub> B	206, 255, 153
Decimal	16768153
CIE Lab	89.27, 3.25, 37.37
CIE LCh	89, 37.509, 85.024
Yxy	74.7463, 0.3859, 0.3974
Android (android.graphics.Color)	4294958233 (0xFFFFDC99)
YUV	222.8270, -34.4247, 28.2157
Hunter-Lab	86.4559, -1.4399, 32.5675

# Details

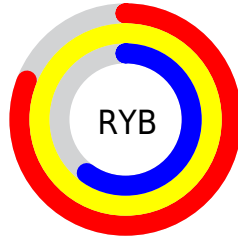
The Yxy color **74.7463, 0.3859, 0.3974** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.9759, 0.2449, 0.2489**, and the grayscale version is **73.8931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **39.7202, 0.4025, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **69.5210, 0.4074, 0.4137**, and if you desaturate by 10%, it is **80.3990, 0.3653, 0.3801**.

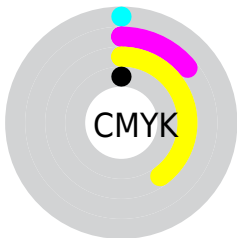
# Distribution



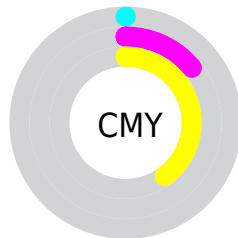
- Red (100%)
- Green (86%)
- Blue (60%)



- Red (81%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (14%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7463, 0.3859, 0.3974 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 74.7463, 0.3859, 0.3974 by changing the saturation by 10% instead.




 74.7463, 0.3859,  
0.3974

 74.7463, 0.3859,  
0.3974


477.0451, 0.3527,  
0.3668

 55.4051, 0.3932,  
0.4040


 125.9532, 0.3746,  
0.3871

 39.7261, 0.4020,  
0.4119


 158.5876, 0.3701,  
0.3829

 27.3251, 0.4128,  
0.4215


196.4219, 0.3662,  
0.3794

 17.8175, 0.4262,  
0.4332

239.8405, 0.3628,  
0.3762

 10.8191, 0.4430,  
0.4475

289.2277, 0.3598,  
0.3734

 5.9453, 0.4639,  
0.4645

344.9679, 0.3572,

 2.8118, 0.5032,

0.3710

0.4968

407.4456, 0.3548,  
0.3688

■ 1.0343, 0.5094,  
0.4906

■ 0.0000, 1.0000,  
0.0000

■ 74.7463, 0.3859,  
0.3974

■ 74.7463, 0.3859,  
0.3974

■ 69.5210, 0.4074,  
0.4137

■ 80.3990, 0.3653,  
0.3801

■ 64.6976, 0.4290,  
0.4278

■ 86.4828, 0.3461,  
0.3625

■ 60.2628, 0.4499,  
0.4387

■ 93.0145, 0.3286,  
0.3454

■ 56.1980, 0.4688,  
0.4451

99.9981, 0.3127,  
0.3290

■ 52.4817, 0.4848,  
0.4465

■ 49.0812, 0.4977,  
0.4430

■ 49.0742, 0.4978,  
0.4430

# Harmonies

## Analogous

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



74.7463, 0.4021, 0.3682



74.7463, 0.3859, 0.3974



74.7463, 0.3503, 0.4100

# Triad

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



74.7463, 0.3859, 0.3974



74.7463, 0.2387, 0.3172



74.7463, 0.3144, 0.2717

# Complementary

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



74.7463, 0.3859, 0.3974



49.9759, 0.2449, 0.2489

# 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.



74.7463, 0.2719, 0.2580



74.7463, 0.3859, 0.3974



74.7463, 0.2306, 0.2807

# Square

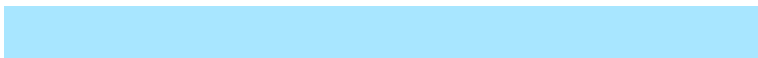
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7463, 0.3859, 0.3974



74.7463, 0.2656, 0.3616



74.7463, 0.2423, 0.2605



74.7463, 0.3594, 0.2982



# Rectangle

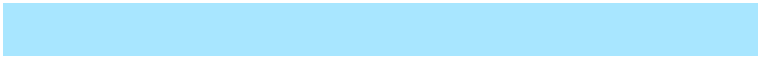
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.7463, 0.3859, 0.3974



74.7463, 0.3210, 0.4046



74.7463, 0.2423, 0.2605



74.7463, 0.2993, 0.2655

# Sweetspot

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



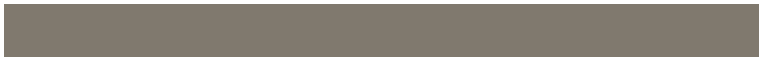
74.7498, 0.3859, 0.3974



91.6658, 0.3320, 0.3488



47.7186, 0.3780, 0.2919



19.4347, 0.3342, 0.3510



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.



74.7498, 0.3859, 0.3974



70.5293, 0.4031, 0.4106



92.2877, 0.3622, 0.4322



19.9794, 0.3278, 0.3446



25.9335, 0.4961, 0.4443



2.7286, 0.4851, 0.4530



# Inverse Universe

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



49.9759, 0.2449, 0.2489



42.6797, 0.2305, 0.2292



38.3796, 0.2487, 0.2090



18.3968, 0.2979, 0.3129



7.6259, 0.1639, 0.1101



0.9364, 0.1701, 0.1325



# Previews

## White Background



This preview shows how the Yxy color 74.7463, 0.3859, 0.3974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

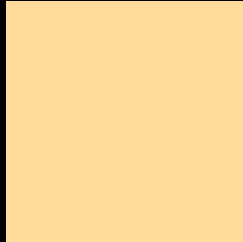
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7463, 0.3859, 0.3974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

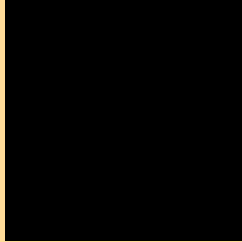
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.7463, 0.3859, 0.3974**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7463, 0.3859, 0.3974.



This preview shows how white text looks on a background with the Yxy color 74.7463, 0.3859, 0.3974.

# 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

74.7463, 0.3859, 0.3974

### Protanopia

74.7326, 0.3738, 0.4017

### Deuteranopia

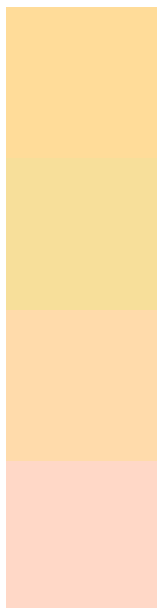
74.7390, 0.3667, 0.3671



## Tritanopia

74.8441, 0.3347, 0.3170

# Trichromacy



## Original Color

74.7463, 0.3859, 0.3974

## Protanomaly

74.8826, 0.3779, 0.4009

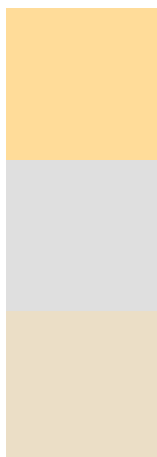
## Deuteranomaly

74.8633, 0.3736, 0.3784

## Tritanomaly

74.4953, 0.3540, 0.3465

# Monochromacy



## Original Color

74.7463, 0.3859, 0.3974

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.9819, 0.3384, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7463, 0.3859, 0.3974 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, 220, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 153)  
}
```

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, 220, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7463, 0.3859, 0.3974 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, 220, 153) }
```

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

```
.border{ border-color:rgb(255, 220, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7463, 0.3859, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 153) }
```

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

```
.background{ background-color: rgb(255,  
220, 153) }
```

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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