

# Converting Colors

$Y_{xy}(75.1230, 0.3921, 0.4084)$

Have a look what the booklet for  
Yxy(75.1230, 0.3921, 0.4084)  
contains.

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# Color

**Yxy(74.9561, 0.3923, 0.4081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDD8F
RGB	255, 221, 143
RGB Percent	100%, 87%, 56%
CMY	0.0000, 0.1333, 0.4392
CMYK	0.00, 0.13, 0.44, 0.00
HSL	42°, 100%, 78%
HSV	42°, 44%, 100%
XYZ	72.0541, 74.9561, 36.6607
YIQ	222.2740, 45.3020, -17.0500

# Conversions

## Conversions Part 2

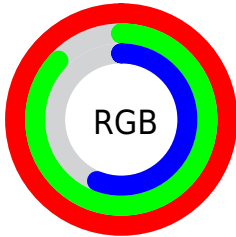
Format	Color
R <sub>Y</sub> B	192, 255, 143
Decimal	16768399
CIE Lab	89.37, 1.72, 42.54
CIE LCh	89, 42.574, 87.690
Yxy	74.9561, 0.3923, 0.4081
Android (android.graphics.Color)	4294958479 (0xFFFFDD8F)
YUV	222.2740, -39.0821, 28.7007
Hunter-Lab	86.5772, -2.9530, 35.4980

# Details

The Yxy color **74.9561, 0.3923, 0.4081** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.5053, 0.2368, 0.2337**, and the grayscale version is **73.5108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8572, 0.3466, 0.3850**, and **39.7635, 0.4090, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **70.2790, 0.4128, 0.4245**, and if you desaturate by 10%, it is **80.0042, 0.3722, 0.3902**.

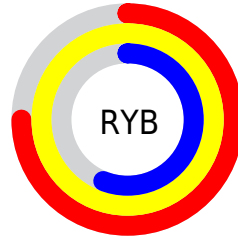
# Distribution



Red (100%)

Green (87%)

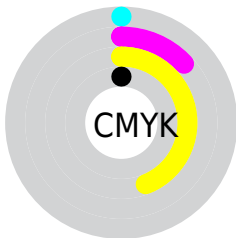
Blue (56%)



Red (75%)

Yellow (100%)

Blue (56%)

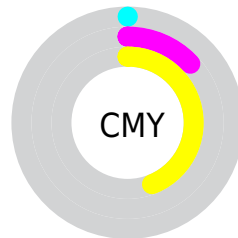


Cyan (0%)

Magenta (13%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9561, 0.3923, 0.4081 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 74.9561, 0.3923, 0.4081 by changing the saturation by 10% instead.




 74.9561, 0.3923,  
0.4081

 74.9561, 0.3923,  
0.4081


477.7667, 0.3565,  
0.3728

 55.5769, 0.4000,  
0.4156

 126.2502, 0.3802,  
0.3962

 39.8638, 0.4092,  
0.4246


 158.9340, 0.3754,  
0.3915

 27.4324, 0.4204,  
0.4354


196.8213, 0.3712,  
0.3874

 17.8982, 0.4339,  
0.4483

240.2967, 0.3675,  
0.3837

 10.8769, 0.4503,  
0.4637

289.7446, 0.3643,  
0.3805

 5.9841, 0.4713,  
0.4830

345.5493, 0.3614,

 2.8354, 0.4957,

0.3777

0.5043

408.0952, 0.3588,  
0.3751

■ 1.0464, 0.4990,  
0.5010

■ 0.0000, 0.0000,  
0.0000

■ 74.9561, 0.3923,  
0.4081

■ 74.9561, 0.3923,  
0.4081

■ 70.2790, 0.4128,  
0.4245

■ 80.0042, 0.3722,  
0.3902

■ 65.9480, 0.4327,  
0.4382

■ 85.4263, 0.3530,  
0.3717

■ 61.9503, 0.4513,  
0.4481

■ 91.2383, 0.3351,  
0.3534

■ 58.2676, 0.4674,  
0.4534

■ 97.4518, 0.3187,  
0.3357

■ 54.8780, 0.4803,  
0.4535

99.9994, 0.3127,  
0.3290

■ 52.9414, 0.4869,  
0.4516

# Harmonies

## Analogous

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



74.9561, 0.4134, 0.3756



74.9561, 0.3923, 0.4081



74.9561, 0.3504, 0.4213

# Triad

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



74.9561, 0.3923, 0.4081



74.9561, 0.2278, 0.3108



74.9561, 0.3189, 0.2669

# Complementary

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



74.9561, 0.3923, 0.4081



44.5053, 0.2368, 0.2337

# 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.



74.9561, 0.2702, 0.2502



74.9561, 0.3923, 0.4081



74.9561, 0.2210, 0.2712

# Square

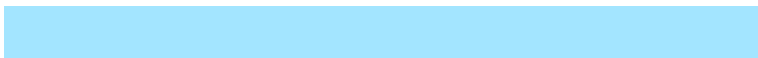
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9561, 0.3923, 0.4081



74.9561, 0.2558, 0.3615



74.9561, 0.2357, 0.2508



74.9561, 0.3697, 0.2973



# Rectangle

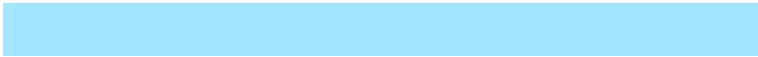
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9561, 0.3923, 0.4081



74.9561, 0.3170, 0.4138



74.9561, 0.2357, 0.2508



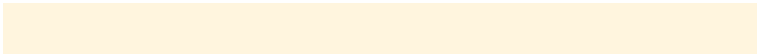
74.9561, 0.3017, 0.2596

# Sweetspot

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



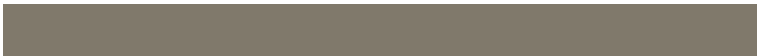
74.9596, 0.3923, 0.4081



91.7934, 0.3335, 0.3517



44.1413, 0.3915, 0.2922



19.3639, 0.3373, 0.3557



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.



74.9596, 0.3923, 0.4081



70.6952, 0.4109, 0.4231



91.0728, 0.3640, 0.4432



20.1053, 0.3277, 0.3455



27.9393, 0.4855, 0.4527



2.9130, 0.4761, 0.4602



# Inverse Universe

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



44.5053, 0.2368, 0.2337



36.6468, 0.2202, 0.2097



34.7122, 0.2437, 0.1963



18.2766, 0.2979, 0.3120



6.8035, 0.1612, 0.1002



0.8450, 0.1673, 0.1222



# Previews

## White Background



This preview shows how the Yxy color 74.9561, 0.3923, 0.4081 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

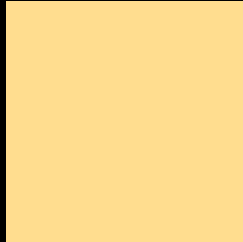
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9561, 0.3923, 0.4081 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 74.9561, 0.3923, 0.4081**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9561, 0.3923, 0.4081.



This preview shows how white text looks on a background with the Yxy color 74.9561, 0.3923, 0.4081.

# 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

74.9561, 0.3923, 0.4081

### Protanopia

75.0971, 0.3814, 0.4135

### Deuteranopia

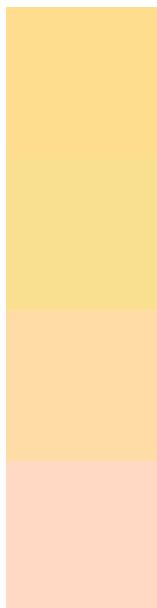
75.1777, 0.3678, 0.3701



## Tritanopia

74.8441, 0.3347, 0.3170

# Trichromacy



## Original Color

74.9561, 0.3923, 0.4081

## Protanomaly

75.2814, 0.3849, 0.4116

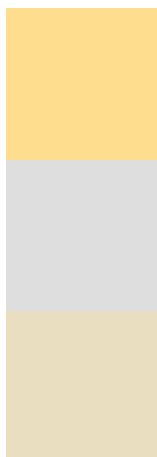
## Deuteranomaly

75.1996, 0.3768, 0.3844

## Tritanomaly

74.8712, 0.3560, 0.3506

# Monochromacy



## Original Color

74.9561, 0.3923, 0.4081

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.5852, 0.3411, 0.3603

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9561, 0.3923, 0.4081 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, 221, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 143)  
}
```

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, 221, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9561, 0.3923, 0.4081 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, 221, 143) }
```

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

```
.border{ border-color:rgb(255, 221, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9561, 0.3923, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 143) }
```

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

```
.background{ background-color: rgb(255,  
221, 143) }
```

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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