

# Converting Colors

$Y_{xy}(78.7983, 0.4095, 0.4035)$

Have a look what the booklet for  
Yxy(78.7983, 0.4095, 0.4035)  
contains.

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# Color

**Yxy(74.3994, 0.3934, 0.4081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDC8E
RGB	255, 220, 142
RGB Percent	100%, 86%, 56%
CMY	0.0000, 0.1372, 0.4430
CMYK	0.00, 0.14, 0.44, 0.00
HSL	41°, 100%, 78%
HSV	41°, 44%, 100%
XYZ	71.7195, 74.3994, 36.1879
YIQ	221.5730, 45.8980, -16.8380

# Conversions

## Conversions Part 2

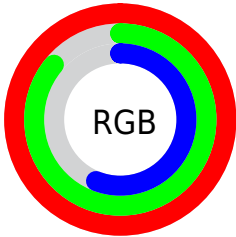
Format	Color
R <sub>Y</sub> B	193, 255, 142
Decimal	16768142
CIE Lab	89.11, 2.14, 42.69
CIE LCh	89, 42.743, 87.135
Yxy	74.3994, 0.3934, 0.4081
Android (android.graphics.Color)	4294958222 (0xFFFFDC8E)
YUV	221.5730, -39.2295, 29.3155
Hunter-Lab	86.2551, -2.5270, 35.5037

# Details

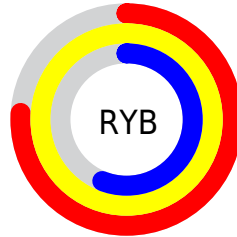
The Yxy color **74.3994, 0.3934, 0.4081** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.4351, 0.2363, 0.2336**, and the grayscale version is **72.9913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **39.3842, 0.4106, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **69.6715, 0.4140, 0.4243**, and if you desaturate by 10%, it is **79.5037, 0.3731, 0.3904**.

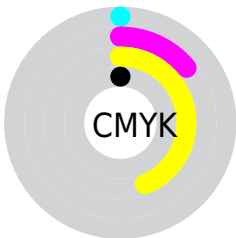
# Distribution



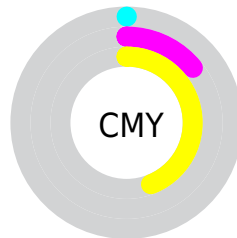
- Red (100%)
- Green (86%)
- Blue (56%)



- Red (76%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (14%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3994, 0.3934, 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 74.3994, 0.3934, 0.4081 by changing the saturation by 10% instead.




 74.3994, 0.3934,  
0.4081

 74.3994, 0.3934,  
0.4081


475.8507, 0.3570,  
0.3728

 55.1210, 0.4012,  
0.4156

 125.4618, 0.3811,  
0.3962

 39.4986, 0.4106,  
0.4246


 158.0146, 0.3762,  
0.3915

 27.1478, 0.4220,  
0.4353


195.7610, 0.3720,  
0.3874

 17.6843, 0.4357,  
0.4481

239.0854, 0.3683,  
0.3838

 10.7236, 0.4524,  
0.4633

288.3722, 0.3650,  
0.3805

 5.8813, 0.4742,  
0.4828

344.0057, 0.3620,

 2.7730, 0.4978,

0.3777

0.5022

406.3704, 0.3594,  
0.3751

1.0144, 0.5020,  
0.4980

0.0000, 0.0000,  
0.0000

74.3994, 0.3934,  
0.4081

74.3994, 0.3934,  
0.4081

69.6715, 0.4140,  
0.4243

79.5037, 0.3731,  
0.3904

65.2975, 0.4342,  
0.4378

84.9903, 0.3538,  
0.3721

61.2635, 0.4529,  
0.4474

90.8742, 0.3358,  
0.3539

57.5509, 0.4692,  
0.4524

97.1675, 0.3193,  
0.3363

■ 54.1375, 0.4823,  
0.4522

100.0000, 0.3127,  
0.3290

■ 52.3079, 0.4886,  
0.4502

# Harmonies

## Analogous

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



74.3994, 0.4142, 0.3752



74.3994, 0.3934, 0.4081



74.3994, 0.3515, 0.4219

# Triad

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



74.3994, 0.3934, 0.4081



74.3994, 0.2276, 0.3115



74.3994, 0.3180, 0.2661

# Complementary

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



74.3994, 0.3934, 0.4081



44.4351, 0.2363, 0.2336

# 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.



74.3994, 0.2692, 0.2496



74.3994, 0.3934, 0.4081



74.3994, 0.2203, 0.2714

# Square

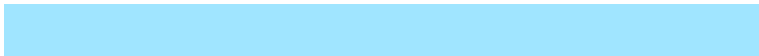
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.3994, 0.3934, 0.4081



74.3994, 0.2562, 0.3627



74.3994, 0.2348, 0.2506



74.3994, 0.3692, 0.2965

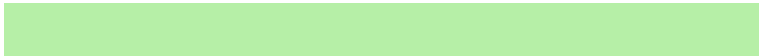


# Rectangle

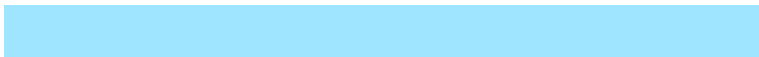
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.3994, 0.3934, 0.4081



74.3994, 0.3180, 0.4148



74.3994, 0.2348, 0.2506



74.3994, 0.3007, 0.2589

# Sweetspot

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



74.4020, 0.3934, 0.4081



91.6669, 0.3336, 0.3515



43.8258, 0.3926, 0.2919



19.3326, 0.3374, 0.3555



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.



74.4020, 0.3934, 0.4081



70.2644, 0.4114, 0.4223



91.0161, 0.3644, 0.4441



20.0852, 0.3277, 0.3453



27.6099, 0.4872, 0.4514



2.8829, 0.4775, 0.4591



# Inverse Universe

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



44.4351, 0.2363, 0.2336



36.9458, 0.2205, 0.2108



34.3394, 0.2429, 0.1950



18.2957, 0.2979, 0.3121



6.9268, 0.1616, 0.1017



0.8589, 0.1677, 0.1238



# Previews

## White Background



This preview shows how the Yxy color 74.3994, 0.3934, 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 74.3994, 0.3934, 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 74.3994, 0.3934, 0.4081**

## Background



This preview shows how black text looks on a background with the Yxy color 74.3994, 0.3934, 0.4081.



This preview shows how white text looks on a background with the Yxy color 74.3994, 0.3934, 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

74.3994, 0.3934, 0.4081

### Protanopia

74.5580, 0.3818, 0.4126

### Deuteranopia

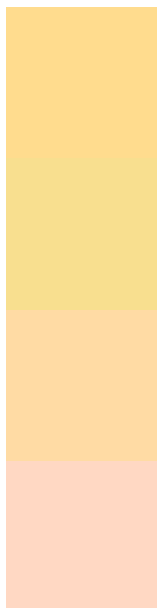
74.5771, 0.3696, 0.3712



## Tritanopia

74.2847, 0.3355, 0.3170

# Trichromacy



## Original Color

74.3994, 0.3934, 0.4081

## Protanomaly

74.7150, 0.3860, 0.4117

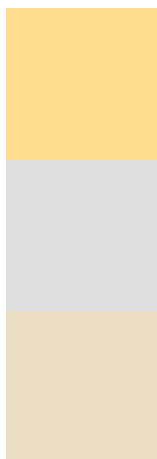
## Deuteranomaly

74.6034, 0.3786, 0.3855

## Tritanomaly

74.3119, 0.3569, 0.3506

# Monochromacy



## Original Color

74.3994, 0.3934, 0.4081

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.0556, 0.3413, 0.3592

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3994, 0.3934, 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, 220, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3994, 0.3934, 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, 220, 142) }
```

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

```
.border{ border-color:rgb(255, 220, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3994, 0.3934, 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, 220, 142) }
```

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

```
.background{ background-color: rgb(255,  
220, 142) }
```

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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