

# Converting Colors

$Y_{xy}(124.3082, 0.4997, 0.3741)$

Have a look what the booklet for  
Yxy(124.3082, 0.4997, 0.3741)  
contains.

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# Color

**Yxy(76.0797, 0.3901, 0.4080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDF91
RGB	255, 223, 145
RGB Percent	100%, 87%, 57%
CMY	0.0000, 0.1255, 0.4313
CMYK	0.00, 0.13, 0.43, 0.00
HSL	43°, 100%, 78%
HSV	43°, 43%, 100%
XYZ	72.7419, 76.0797, 37.6483
YIQ	223.6760, 44.1100, -17.4740

# Conversions

## Conversions Part 2

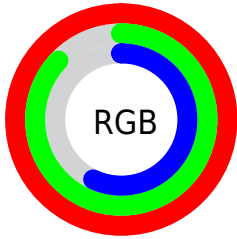
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	190, 255, 145
Decimal	16768913
CIE Lab	89.90, 0.90, 42.20
CIE LCh	90, 42.214, 88.773
Yxy	76.0797, 0.3901, 0.4080
Android (android.graphics.Color)	4294958993 (0xFFFFDF91)
YUV	223.6760, -38.7873, 27.4711
Hunter-Lab	87.2237, -3.7779, 35.4653

# Details

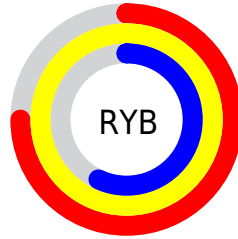
The Yxy color **76.0797, 0.3901, 0.4080** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.6952, 0.2380, 0.2340**, and the grayscale version is **74.5588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **40.5313, 0.4061, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **71.5031, 0.4102, 0.4248**, and if you desaturate by 10%, it is **81.0110, 0.3703, 0.3898**.

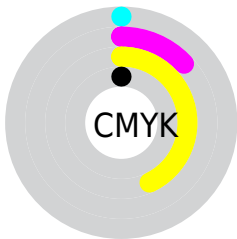
# Distribution



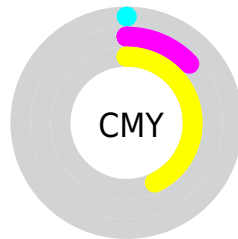
- Red (100%)
- Green (87%)
- Blue (57%)



- Red (75%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (13%)
- Yellow (43%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0797, 0.3901, 0.4080 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 76.0797, 0.3901, 0.4080 by changing the saturation by 10% instead.



 76.0797, 0.3901,  
0.4080

 76.0797, 0.3901,  
0.4080


481.6205, 0.3554,  
0.3727

 56.4979, 0.3976,  
0.4155


 127.8396, 0.3784,  
0.3961

 40.6022, 0.4065,  
0.4245


 160.7864, 0.3737,  
0.3914

 28.0084, 0.4172,  
0.4354


198.9570, 0.3697,  
0.3873

 18.3320, 0.4303,  
0.4484

242.7357, 0.3661,  
0.3836

 11.1886, 0.4461,  
0.4641

292.5071, 0.3630,  
0.3804

 6.1938, 0.4657,  
0.4833

348.6554, 0.3602,

 2.9633, 0.4917,

0.3776

0.5083

411.5651, 0.3576,  
0.3750

■ 1.1126, 0.4933,  
0.5067

■ 0.0000, 1.0000,  
0.0000

■ 76.0797, 0.3901,  
0.4080

■ 76.0797, 0.3901,  
0.4080

■ 71.5031, 0.4102,  
0.4248

■ 81.0110, 0.3703,  
0.3898

■ 67.2605, 0.4298,  
0.4390

■ 86.3033, 0.3514,  
0.3710

■ 63.3383, 0.4480,  
0.4495

■ 91.9711, 0.3337,  
0.3524

■ 59.7187, 0.4637,  
0.4554

■ 98.0255, 0.3175,  
0.3344

■ 56.3806, 0.4764,  
0.4562

100.0000, 0.3127,  
0.3290

■ 54.2295, 0.4835,  
0.4543

# Harmonies

## Analogous

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



76.0797, 0.4118, 0.3765



76.0797, 0.3901, 0.4080



76.0797, 0.3482, 0.4200

# Triad

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



76.0797, 0.3901, 0.4080



76.0797, 0.2282, 0.3094



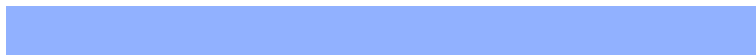
76.0797, 0.3207, 0.2686

# Complementary

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



76.0797, 0.3901, 0.4080



44.6952, 0.2380, 0.2340

# 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.



76.0797, 0.2723, 0.2514



76.0797, 0.3901, 0.4080



76.0797, 0.2222, 0.2709

# Square

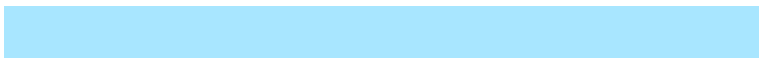
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0797, 0.3901, 0.4080



76.0797, 0.2553, 0.3593



76.0797, 0.2376, 0.2515



76.0797, 0.3706, 0.2990

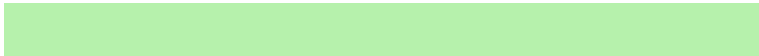


# Rectangle

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



76.0797, 0.3901, 0.4080



76.0797, 0.3152, 0.4117



76.0797, 0.2376, 0.2515



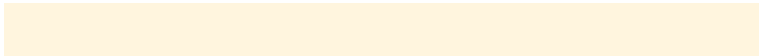
76.0797, 0.3037, 0.2612

# Sweetspot

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



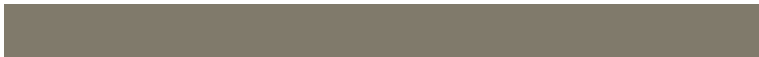
76.0819, 0.3901, 0.4080



92.0457, 0.3335, 0.3521



44.7336, 0.3914, 0.2947



19.4265, 0.3372, 0.3562



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.



76.0819, 0.3901, 0.4080



72.0022, 0.4079, 0.4230



90.8896, 0.3619, 0.4417



20.1454, 0.3276, 0.3458



28.6062, 0.4822, 0.4553



2.9738, 0.4733, 0.4624



# Inverse Universe

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



44.6952, 0.2380, 0.2340



36.8696, 0.2216, 0.2102



35.6962, 0.2465, 0.1994



18.2387, 0.2979, 0.3116



6.5666, 0.1604, 0.0972



0.8179, 0.1664, 0.1190



# Previews

## White Background



This preview shows how the Yxy color 76.0797, 0.3901, 0.4080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

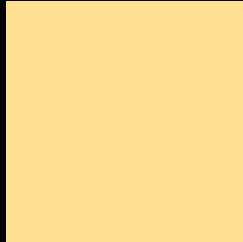
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0797, 0.3901, 0.4080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

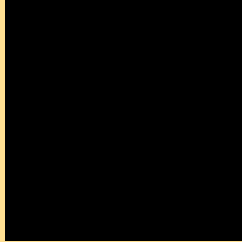
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.0797, 0.3901, 0.4080**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0797, 0.3901, 0.4080.

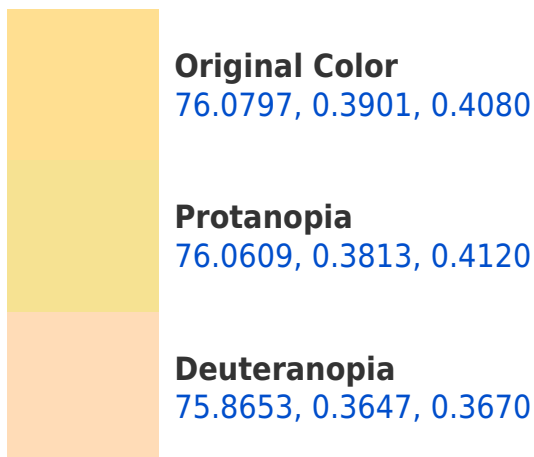


This preview shows how white text looks on a background with the Yxy color 76.0797, 0.3901, 0.4080.

# 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

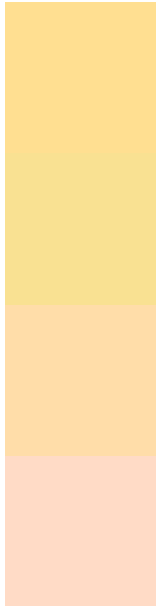




## Tritanopia

75.9732, 0.3330, 0.3170

# Trichromacy



**Original Color**

76.0797, 0.3901, 0.4080

**Protanomaly**

76.0655, 0.3840, 0.4103

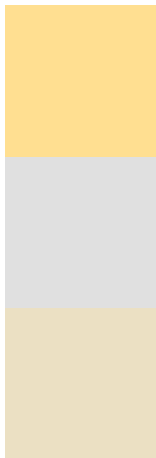
**Deuteranomaly**

75.8375, 0.3744, 0.3823

**Tritanomaly**

76.0003, 0.3541, 0.3505

# Monochromacy



**Original Color**

76.0797, 0.3901, 0.4080

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

74.9136, 0.3402, 0.3601

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0797, 0.3901, 0.4080 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, 223, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 145)  
}
```

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, 223, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0797, 0.3901, 0.4080 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, 223, 145) }
```

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

```
.border{ border-color:rgb(255, 223, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0797, 0.3901, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 145) }
```

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

```
.background{ background-color: rgb(255,  
223, 145) }
```

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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