

# Converting Colors

$Yxy(78.4833, 0.4187, 0.4141)$

Have a look what the booklet for  
Yxy(78.4833, 0.4187, 0.4141)  
contains.

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# **Color**

**Yxy(74.0314, 0.4019, 0.4203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDC81
RGB	255, 220, 129
RGB Percent	100%, 86%, 51%
CMY	0.0001, 0.1372, 0.4942
CMYK	0.00, 0.14, 0.49, 0.00
HSL	43°, 100%, 75%
HSV	43°, 49%, 100%
XYZ	70.7904, 74.0314, 31.3176
YIQ	220.0910, 50.0710, -20.8810

# Conversions

## Conversions Part 2

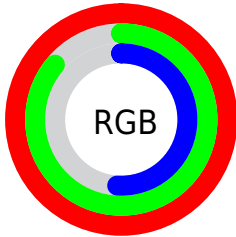
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 255, 129
Decimal	16768129
CIELab	88.94, 0.91, 48.91
CIELCh	89, 48.915, 88.933
Yxy	74.0314, 0.4019, 0.4203
Android (android.graphics.Color)	4294958209 (0xFFFFDC81)
YUV	220.0910, -44.9079, 30.6152
Hunter-Lab	86.0415, -3.7122, 38.6485

# Details

The Yxy color **74.0314, 0.4019, 0.4203** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.4164, 0.2259, 0.2150**, and the grayscale version is **71.9300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **39.1819, 0.4204, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **69.8026, 0.4214, 0.4358**, and if you desaturate by 10%, it is **78.5936, 0.3822, 0.4026**.

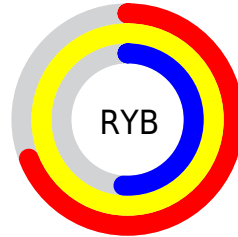
# Distribution



Red (100%)

Green (86%)

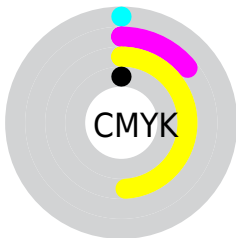
Blue (51%)



Red (69%)

Yellow (100%)

Blue (51%)

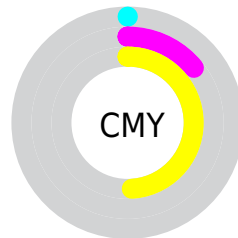


Cyan (0%)

Magenta (14%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0314, 0.4019, 0.4203 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 74.0314, 0.4019, 0.4203 by changing the saturation by 10% instead.





 74.0314, 0.4019,  
0.4203

 74.0314, 0.4019,  
0.4203


474.5817, 0.3622,  
0.3798

 54.8197, 0.4103,  
0.4288

 124.9403, 0.3886,  
0.4068

 39.2574, 0.4201,  
0.4387


 157.4064, 0.3833,  
0.4014

 26.9600, 0.4318,  
0.4505


 195.0593, 0.3787,  
0.3966

 17.5432, 0.4455,  
0.4642

238.2836, 0.3746,  
0.3925

 10.6225, 0.4612,  
0.4797

287.4636, 0.3709,  
0.3888

 5.8136, 0.4879,  
0.5061

342.9837, 0.3677,

 2.7321, 0.4918,

0.3855

0.5082

405.2283, 0.3648,  
0.3825

■ 0.9935, 0.4936,  
0.5064

■ 0.0000, 0.0000,  
0.0000

■ 74.0314, 0.4019,  
0.4203

■ 74.0314, 0.4019,  
0.4203

■ 69.8026, 0.4214,  
0.4358

■ 78.5936, 0.3822,  
0.4026

■ 65.8820, 0.4396,  
0.4481

■ 83.4921, 0.3629,  
0.3838

■ 62.2565, 0.4558,  
0.4560

■ 88.7427, 0.3445,  
0.3647

■ 58.9065, 0.4691,  
0.4589

■ 94.3571, 0.3275,  
0.3459

■ 55.8034, 0.4794,  
0.4572

99.9973, 0.3127,  
0.3290

■ 55.6288, 0.4800,  
0.4571

# Harmonies

## Analogous

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



74.0314, 0.4282, 0.3827



74.0314, 0.4019, 0.4203



74.0314, 0.3527, 0.4360

# Triad

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



74.0314, 0.4019, 0.4203



74.0314, 0.2151, 0.3049



74.0314, 0.3220, 0.2597

# Complementary

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



74.0314, 0.4019, 0.4203



38.4164, 0.2259, 0.2150

# 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.



74.0314, 0.2658, 0.2400



74.0314, 0.4019, 0.4203



74.0314, 0.2087, 0.2608

# Square

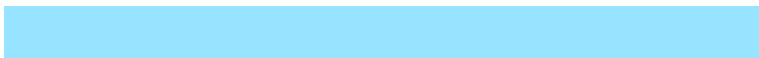
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.0314, 0.4019, 0.4203



74.0314, 0.2455, 0.3641



74.0314, 0.2262, 0.2394



74.0314, 0.3805, 0.2942

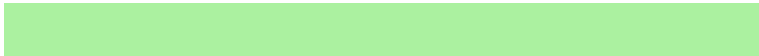


# Rectangle

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



74.0314, 0.4019, 0.4203



74.0314, 0.3144, 0.4270



74.0314, 0.2262, 0.2394



74.0314, 0.3021, 0.2512

# Sweetspot

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



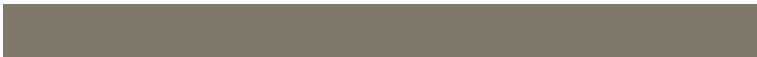
74.0349, 0.4019, 0.4203



91.1896, 0.3368, 0.3563



39.6561, 0.4117, 0.2923



19.2677, 0.3405, 0.3603



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.



74.0349, 0.4019, 0.4203



69.9822, 0.4206, 0.4352



89.5376, 0.3665, 0.4582



20.1882, 0.3276, 0.3461



29.3348, 0.4788, 0.4581



3.0401, 0.4704, 0.4647



# Inverse Universe

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



38.4164, 0.2259, 0.2150



30.8482, 0.2085, 0.1884



30.0086, 0.2361, 0.1787



18.1982, 0.2979, 0.3113



6.3260, 0.1595, 0.0942



0.7901, 0.1655, 0.1157



# Previews

## White Background



This preview shows how the Yxy color 74.0314, 0.4019, 0.4203 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 74.0314, 0.4019, 0.4203 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 74.0314, 0.4019, 0.4203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0314, 0.4019, 0.4203.



This preview shows how white text looks on a background with the Yxy color 74.0314, 0.4019, 0.4203.

# 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

74.0314, 0.4019, 0.4203

### Protanopia

74.3355, 0.3915, 0.4259

### Deuteranopia

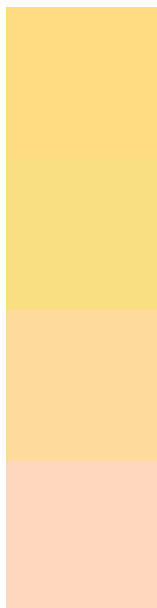
73.9028, 0.3728, 0.3743



## Tritanopia

73.7832, 0.3356, 0.3160

# Trichromacy



## Original Color

74.0314, 0.4019, 0.4203

## Protanomaly

74.5268, 0.3951, 0.4238

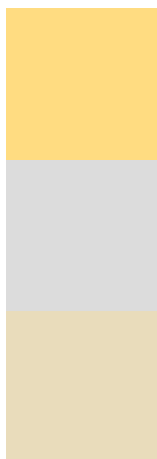
## Deuteranomaly

73.8371, 0.3839, 0.3916

## Tritanomaly

73.5786, 0.3608, 0.3548

# Monochromacy



## Original Color

74.0314, 0.4019, 0.4203

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.0979, 0.3450, 0.3649

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0314, 0.4019, 0.4203 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0314, 0.4019, 0.4203 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, 129) }
```

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

```
.border{ border-color:rgb(255, 220, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0314, 0.4019, 0.4203 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, 129) }
```

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

```
.background{ background-color: rgb(255,  
220, 129) }
```

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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