

# Converting Colors

Yxy(69.6469, 0.3993, 0.4019)

Have a look what the booklet for  
Yxy(69.6469, 0.3993, 0.4019)  
contains.

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# **Color**

**Yxy(69.7420, 0.3989, 0.4017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD38C
RGB	255, 211, 140
RGB Percent	100%, 83%, 55%
CMY	0.0002, 0.1725, 0.4510
CMYK	0.00, 0.17, 0.45, 0.00
HSL	37°, 100%, 77%
HSV	37°, 45%, 100%
XYZ	69.2559, 69.7420, 34.6193
YIQ	216.0620, 49.0150, -12.7530

# Conversions

## Conversions Part 2

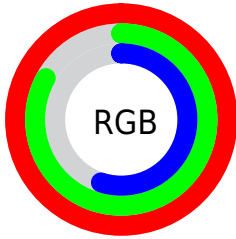
Format	Color
R <sub>Y</sub> B	211, 255, 140
Decimal	16765836
CIE Lab	86.87, 6.52, 40.86
CIE LCh	87, 41.374, 80.931
Yxy	69.7420, 0.3989, 0.4017
Android (android.graphics.Color)	4294955916 (0xFFFFD38C)
YUV	216.0620, -37.4986, 34.1486
Hunter-Lab	83.5117, 1.8838, 33.8799

# Details

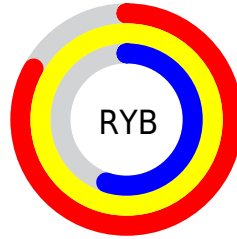
The Yxy color **69.7420, 0.3989, 0.4017** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.0435, 0.2367, 0.2422**, and the grayscale version is **68.9485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **36.5710, 0.4173, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **64.3821, 0.4218, 0.4162**, and if you desaturate by 10%, it is **75.5762, 0.3769, 0.3857**.

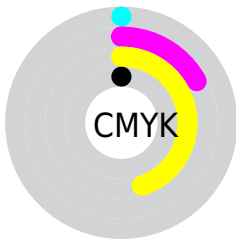
# Distribution



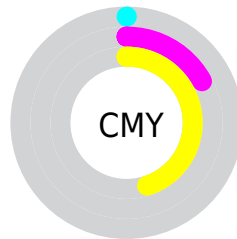
- Red (100%)
- Green (83%)
- Blue (55%)



- Red (83%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (17%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (17%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7420, 0.3989, 0.4017 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 69.7420, 0.3989, 0.4017 by changing the saturation by 10% instead.





 69.7420, 0.3989,  
0.4017

 69.7420, 0.3989,  
0.4017


459.6436, 0.3593,  
0.3693


 51.3162, 0.4076,  
0.4086


 118.8408, 0.3854,  
0.3908

 36.4603, 0.4181,  
0.4167


 150.2825, 0.3801,  
0.3865

 24.7899, 0.4310,  
0.4264


 186.8318, 0.3754,  
0.3827

 15.9206, 0.4469,  
0.4378

228.8728, 0.3714,  
0.3794

 9.4680, 0.4665,  
0.4510

276.7902, 0.3678,  
0.3764

 5.0477, 0.4951,  
0.4694

330.9682, 0.3647,

 2.2753, 0.5210,

0.3738

0.4790

391.7912, 0.3619,  
0.3714

0.7606, 0.5372,  
0.4628

0.0000, 0.0000,  
0.0000

69.7420, 0.3989,  
0.4017

69.7420, 0.3989,  
0.4017

64.3821, 0.4218,  
0.4162

75.5762, 0.3769,  
0.3857

59.4693, 0.4447,  
0.4281

81.8909, 0.3563,  
0.3691

54.9877, 0.4665,  
0.4361

88.7043, 0.3376,  
0.3526

50.9159, 0.4859,  
0.4391

96.0307, 0.3206,  
0.3368

■ 47.2284, 0.5019,  
0.4368

99.9919, 0.3127,  
0.3290

■ 45.5433, 0.5088,  
0.4342

# Harmonies

## Analogous

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



69.7420, 0.4139, 0.3668



69.7420, 0.3989, 0.4017



69.7420, 0.3608, 0.4203

# Triad

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



69.7420, 0.3989, 0.4017



69.7420, 0.2327, 0.3218



69.7420, 0.3073, 0.2621

# Complementary

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



69.7420, 0.3989, 0.4017



47.0435, 0.2367, 0.2422

# 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.



69.7420, 0.2612, 0.2490



69.7420, 0.3989, 0.4017



69.7420, 0.2210, 0.2788

# Square

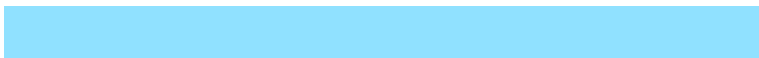
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7420, 0.3989, 0.4017



69.7420, 0.2649, 0.3725



69.7420, 0.2309, 0.2540



69.7420, 0.3587, 0.2897



# Rectangle

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



69.7420, 0.3989, 0.4017



69.7420, 0.3284, 0.4175



69.7420, 0.2309, 0.2540



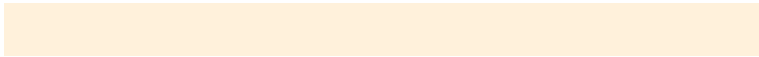
69.7420, 0.2906, 0.2559

# Sweetspot

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



69.7453, 0.3989, 0.4017



89.5124, 0.3356, 0.3509



43.4698, 0.3864, 0.2834



18.8328, 0.3395, 0.3544



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.



69.7453, 0.3989, 0.4017



64.9695, 0.4193, 0.4147



92.1830, 0.3705, 0.4439



19.8562, 0.3279, 0.3437



24.1039, 0.5069, 0.4357



2.5582, 0.4942, 0.4458



# Inverse Universe

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



47.0435, 0.2367, 0.2422



39.7434, 0.2214, 0.2212



32.7837, 0.2360, 0.1904



18.5156, 0.2979, 0.3139



8.5492, 0.1669, 0.1207



1.0356, 0.1731, 0.1431



# Previews

## White Background



This preview shows how the Yxy color 69.7420, 0.3989, 0.4017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

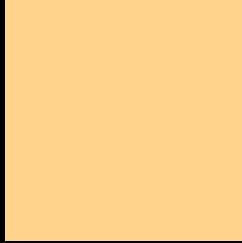
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.7420, 0.3989, 0.4017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

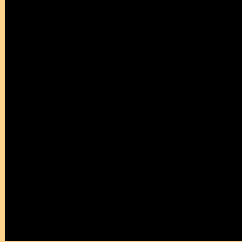
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.7420, 0.3989, 0.4017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7420, 0.3989, 0.4017.



This preview shows how white text looks on a background with the Yxy color 69.7420, 0.3989, 0.4017.

# 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

69.7420, 0.3989, 0.4017

### Protanopia

70.1305, 0.3794, 0.4097

### Deuteranopia

69.7875, 0.3870, 0.3838



## Tritanopia

69.9324, 0.3425, 0.3169

# Trichromacy



**Original Color**

69.7420, 0.3989, 0.4017

**Protanomaly**

69.7870, 0.3869, 0.4061

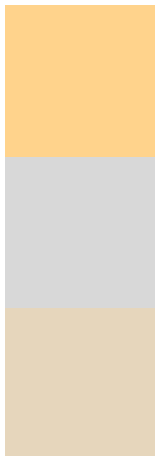
**Deuteranomaly**

69.5876, 0.3915, 0.3899

**Tritanomaly**

69.5598, 0.3636, 0.3477

# Monochromacy



**Original Color**

69.7420, 0.3989, 0.4017

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

68.5470, 0.3431, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7420, 0.3989, 0.4017 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, 211, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 140)  
}
```

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, 211, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7420, 0.3989, 0.4017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

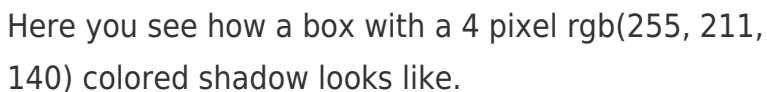
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 211, 140) }
```

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

```
.border{ border-color:rgb(255, 211, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 211, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 211, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 211, 140); box-shadow:4px 4px 4px 4px rgb(255, 211, 140) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7420, 0.3989, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 140) }
```

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

```
.background{ background-color: rgb(255,  
211, 140) }
```

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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