

# Converting Colors

$Yxy(67.6562, 0.3982, 0.3936)$

Have a look what the booklet for  
Yxy(67.6562, 0.3982, 0.3936)  
contains.

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# **Color**

**Yxy(67.8993, 0.3979, 0.3939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCF90
RGB	255, 207, 144
RGB Percent	100%, 81%, 56%
CMY	0.0000, 0.1882, 0.4352
CMYK	0.00, 0.19, 0.44, 0.00
HSL	34°, 100%, 78%
HSV	34°, 44%, 100%
XYZ	68.5888, 67.8993, 35.8889
YIQ	214.1700, 48.8310, -9.4170

# Conversions

## Conversions Part 2

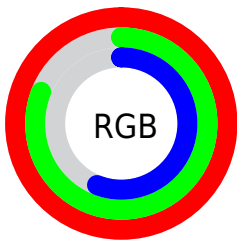
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 255, 144
Decimal	16764816
CIE <sub>Lab</sub>	85.96, 9.01, 37.63
CIE <sub>LCh</sub>	86, 38.697, 76.532
Yxy	67.8993, 0.3979, 0.3939
Android (android.graphics.Color)	4294954896 (0xFFFFCF90)
YUV	214.1700, -34.5938, 35.8079
Hunter-Lab	82.4010, 4.3777, 31.8576

# Details

The Yxy color **67.8993, 0.3979, 0.3939** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.8640, 0.2407, 0.2529**, and the grayscale version is **67.5820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8572, 0.3466, 0.3850**, and **35.3085, 0.4167, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **62.0495, 0.4223, 0.4076**, and if you desaturate by 10%, it is **74.3050, 0.3750, 0.3789**.

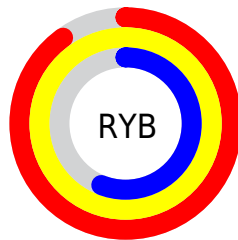
# Distribution



Red (100%)

Green (81%)

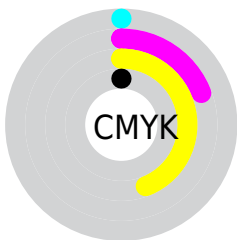
Blue (56%)



Red (90%)

Yellow (100%)

Blue (56%)

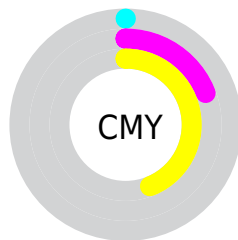


Cyan (0%)

Magenta (19%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8993, 0.3979, 0.3939 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 67.8993, 0.3979, 0.3939 by changing the saturation by 10% instead.





 67.8993, 0.3979,  
0.3939

 67.8993, 0.3979,  
0.3939


453.1391, 0.3584,  
0.3650

 49.8158, 0.4068,  
0.4000


 116.2081, 0.3843,  
0.3842

 35.2671, 0.4175,  
0.4073


 147.2022, 0.3789,  
0.3803

 23.8687, 0.4309,  
0.4160


183.2685, 0.3743,  
0.3769

 15.2362, 0.4476,  
0.4263

224.7917, 0.3703,  
0.3740

 8.9853, 0.4688,  
0.4382

272.1559, 0.3668,  
0.3713

 4.7316, 0.4988,  
0.4535

325.7456, 0.3637,

 2.0907, 0.5348,

0.3690

0.4652

385.9452, 0.3609,  
0.3669

0.6594, 0.5622,  
0.4378

0.0000, 0.0000,  
0.0000

67.8993, 0.3979,  
0.3939

67.8993, 0.3979,  
0.3939

62.0495, 0.4223,  
0.4076

74.3050, 0.3750,  
0.3789

56.7263, 0.4472,  
0.4189

81.2752, 0.3539,  
0.3635

51.9117, 0.4716,  
0.4266

88.8302, 0.3350,  
0.3484

47.5819, 0.4940,  
0.4294

96.9862, 0.3182,  
0.3339

■ 43.7096, 0.5130,  
0.4267

100.0000, 0.3127,  
0.3290

■ 41.4215, 0.5235,  
0.4225

# Harmonies

## Analogous

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



67.8993, 0.4079, 0.3597



67.8993, 0.3979, 0.3939



67.8993, 0.3646, 0.4140

# Triad

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



67.8993, 0.3979, 0.3939



67.8993, 0.2403, 0.3294



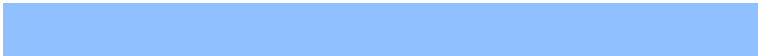
67.8993, 0.3007, 0.2627

# Complementary

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



67.8993, 0.3979, 0.3939



50.8640, 0.2407, 0.2529

# 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.



67.8993, 0.2587, 0.2527



67.8993, 0.3979, 0.3939



67.8993, 0.2260, 0.2868

# Square

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



67.8993, 0.3979, 0.3939



67.8993, 0.2735, 0.3764



67.8993, 0.2325, 0.2603



67.8993, 0.3493, 0.2873



# Rectangle

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



67.8993, 0.3979, 0.3939



67.8993, 0.3347, 0.4139



67.8993, 0.2325, 0.2603



67.8993, 0.2853, 0.2575

# Sweetspot

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



67.9025, 0.3979, 0.3939



89.2365, 0.3341, 0.3476



45.0276, 0.3768, 0.2793



18.7310, 0.3381, 0.3509



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.



67.9025, 0.3979, 0.3939



62.9025, 0.4185, 0.4057



93.4184, 0.3726, 0.4385



19.6980, 0.3280, 0.3425



21.9462, 0.5213, 0.4243

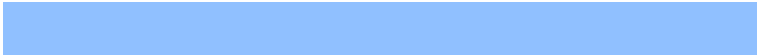


2.3541, 0.5065, 0.4360

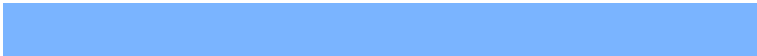


# Inverse Universe

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



50.8640, 0.2407, 0.2529



43.9293, 0.2265, 0.2347



33.7972, 0.2354, 0.1946



18.6700, 0.2979, 0.3151



9.9162, 0.1710, 0.1356



1.1777, 0.1771, 0.1576



# Previews

## White Background



This preview shows how the Yxy color 67.8993, 0.3979, 0.3939 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 67.8993, 0.3979, 0.3939 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 67.8993, 0.3979, 0.3939**

## Background



This preview shows how black text looks on a background with the Yxy color 67.8993, 0.3979, 0.3939.



This preview shows how white text looks on a background with the Yxy color 67.8993, 0.3979, 0.3939.

# 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

67.8993, 0.3979, 0.3939

### Protanopia

68.0311, 0.3747, 0.4035

### Deuteranopia

68.1200, 0.3927, 0.3870



## Tritanopia

67.8883, 0.3455, 0.3158

# Trichromacy



**Original Color**

67.8993, 0.3979, 0.3939

**Protanomaly**

67.8631, 0.3830, 0.3998

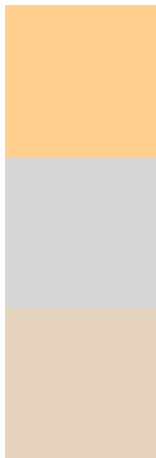
**Deuteranomaly**

68.0238, 0.3950, 0.3900

**Tritanomaly**

67.6460, 0.3647, 0.3437

# Monochromacy



**Original Color**

67.8993, 0.3979, 0.3939

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

66.9207, 0.3422, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8993, 0.3979, 0.3939 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, 207, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 144)  
}
```

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, 207, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8993, 0.3979, 0.3939 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, 207, 144) }
```

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

```
.border{ border-color:rgb(255, 207, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8993, 0.3979, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 144) }
```

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

```
.background{ background-color: rgb(255,  
207, 144) }
```

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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