

# Converting Colors

$Y_{xy}(69.2893, 0.3903, 0.3871)$

Have a look what the booklet for  
Yxy(69.2893, 0.3903, 0.3871)  
contains.

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# **Color**

**Yxy(69.1608, 0.3904, 0.3869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD199
RGB	255, 209, 153
RGB Percent	100%, 82%, 60%
CMY	0.0001, 0.1803, 0.4000
CMYK	0.00, 0.18, 0.40, 0.00
HSL	33°, 100%, 80%
HSV	33°, 40%, 100%
XYZ	69.7864, 69.1608, 39.8090
YIQ	216.3700, 45.3920, -7.6640

# Conversions

## Conversions Part 2

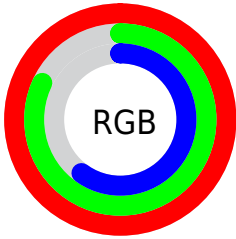
Format	Color
R <sub>Y</sub> B	237, 255, 153
Decimal	16765337
CIE Lab	86.58, 8.90, 33.86
CIE LCh	87, 35.008, 75.267
Yxy	69.1608, 0.3904, 0.3869
Android (android.graphics.Color)	4294955417 (0xFFFFD199)
YUV	216.3700, -31.2414, 33.8785
Hunter-Lab	83.1630, 4.2536, 29.8327

# Details

The Yxy color **69.1608, 0.3904, 0.3869** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.8283, 0.2470, 0.2625**, and the grayscale version is **69.1302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **36.2526, 0.4090, 0.3997** is the 20% darker color. If you saturate the color by 10%, you get **62.9705, 0.4148, 0.4008**, and if you desaturate by 10%, it is **75.9446, 0.3677, 0.3721**.

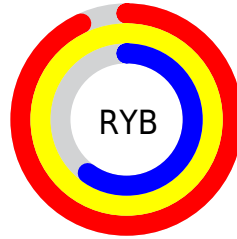
# Distribution



Red (100%)

Green (82%)

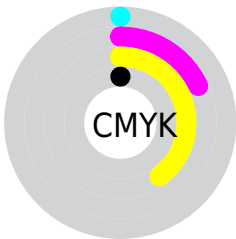
Blue (60%)



Red (93%)

Yellow (100%)

Blue (60%)

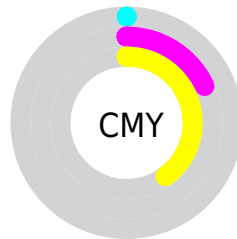


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1608, 0.3904, 0.3869 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 69.1608, 0.3904, 0.3869 by changing the saturation by 10% instead.




 69.1608, 0.3904,  
0.3869


 69.1608, 0.3904,  
0.3869


457.5979, 0.3543,  
0.3610

 50.8427, 0.3985,  
0.3925


 118.0112, 0.3779,  
0.3782

 36.0834, 0.4085,  
0.3991


 149.3123, 0.3731,  
0.3747

 24.4986, 0.4209,  
0.4071


185.7098, 0.3689,  
0.3717

 15.7039, 0.4366,  
0.4167

227.5882, 0.3652,  
0.3690

 9.3149, 0.4570,  
0.4283

275.3318, 0.3620,  
0.3667

 4.9471, 0.4837,  
0.4415

329.3250, 0.3591,

 2.2163, 0.5333,

0.3646

0.4667

389.9522, 0.3566,  
0.3627

0.7288, 0.5558,  
0.4442

0.0000, 0.0000,  
0.0000

69.1608, 0.3904,  
0.3869

69.1608, 0.3904,  
0.3869

62.9705, 0.4148,  
0.4008

75.9446, 0.3677,  
0.3721

57.3439, 0.4404,  
0.4127

83.3311, 0.3472,  
0.3572

52.2624, 0.4660,  
0.4214

91.3411, 0.3289,  
0.3428

47.7023, 0.4901,  
0.4256

99.9916, 0.3127,  
0.3290

■ 43.6363, 0.5113, 99.9973, 0.3127,  
0.4245 0.3290

■ 40.0260, 0.5289,  
0.4182

■ 40.0243, 0.5289,  
0.4182

# Harmonies

## Analogous

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



69.1608, 0.3981, 0.3559



69.1608, 0.3904, 0.3869



69.1608, 0.3614, 0.4050

# Triad

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



69.1608, 0.3904, 0.3869



69.1608, 0.2482, 0.3315



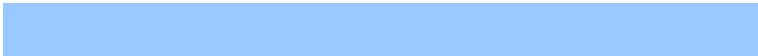
69.1608, 0.3003, 0.2681

# Complementary

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



69.1608, 0.3904, 0.3869



54.8283, 0.2470, 0.2625

# 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.



69.1608, 0.2626, 0.2597



69.1608, 0.3904, 0.3869



69.1608, 0.2343, 0.2927

# Square

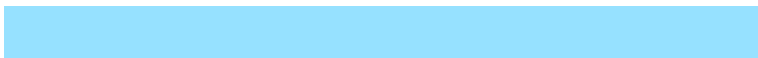
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.1608, 0.3904, 0.3869



69.1608, 0.2792, 0.3730



69.1608, 0.2394, 0.2677



69.1608, 0.3440, 0.2901



# Rectangle

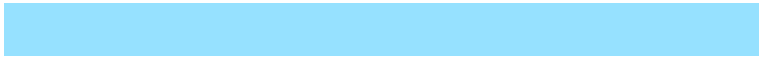
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.1608, 0.3904, 0.3869



69.1608, 0.3347, 0.4052



69.1608, 0.2394, 0.2677



69.1608, 0.2865, 0.2636

# Sweetspot

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



69.1641, 0.3904, 0.3869



89.6958, 0.3324, 0.3456



48.2390, 0.3662, 0.2799



18.9705, 0.3347, 0.3475



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.



69.1641, 0.3904, 0.3869



64.1684, 0.4099, 0.3981



94.4292, 0.3705, 0.4292



19.6409, 0.3280, 0.3421



21.2188, 0.5266, 0.4200



2.2844, 0.5110, 0.4324

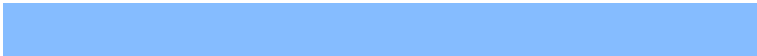


# Inverse Universe

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



54.8283, 0.2470, 0.2625



48.0459, 0.2337, 0.2462



37.1110, 0.2404, 0.2064



18.7263, 0.2979, 0.3156



10.4628, 0.1726, 0.1414



1.2333, 0.1786, 0.1630



# Previews

## White Background



This preview shows how the Yxy color 69.1608, 0.3904, 0.3869 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 69.1608, 0.3904, 0.3869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

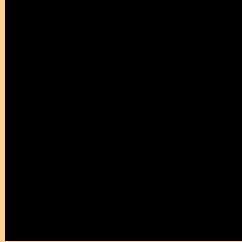
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.1608, 0.3904, 0.3869**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1608, 0.3904, 0.3869.



This preview shows how white text looks on a background with the Yxy color 69.1608, 0.3904, 0.3869.

# 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

69.1608, 0.3904, 0.3869

### Protanopia

69.3496, 0.3677, 0.3958

### Deuteranopia

69.3990, 0.3852, 0.3798



## Tritanopia

68.9297, 0.3436, 0.3158

# Trichromacy



## Original Color

69.1608, 0.3904, 0.3869

## Protanomaly

69.1605, 0.3758, 0.3924

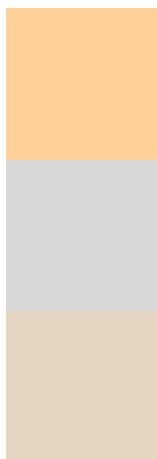
## Deuteranomaly

69.2952, 0.3874, 0.3828

## Tritanomaly

68.7729, 0.3610, 0.3415

# Monochromacy



## Original Color

69.1608, 0.3904, 0.3869

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.2617, 0.3397, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1608, 0.3904, 0.3869 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, 209, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 153)  
}
```

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, 209, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1608, 0.3904, 0.3869 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, 209, 153) }
```

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

```
.border{ border-color:rgb(255, 209, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1608, 0.3904, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 153) }
```

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

```
.background{ background-color: rgb(255,  
209, 153) }
```

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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