

# Converting Colors

$Y_{xy}(119.6582, 0.4991, 0.3594)$

Have a look what the booklet for  
Yxy(119.6582, 0.4991, 0.3594)  
contains.

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# Color

**Yxy(70.3517, 0.3852, 0.3828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD39F
RGB	255, 211, 159
RGB Percent	100%, 83%, 62%
CMY	0.0000, 0.1725, 0.3766
CMYK	0.00, 0.17, 0.38, 0.00
HSL	33°, 100%, 81%
HSV	33°, 38%, 100%
XYZ	70.7928, 70.3517, 42.6374
YIQ	218.2280, 42.9160, -6.8440

# Conversions

## Conversions Part 2

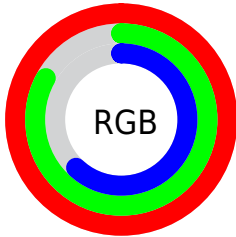
Format	Color
R <sub>Y</sub> B	240, 255, 159
Decimal	16765855
CIE Lab	87.17, 8.54, 31.56
CIE LCh	87, 32.691, 74.862
Yxy	70.3517, 0.3852, 0.3828
Android (android.graphics.Color)	4294955935 (0xFFFFD39F)
YUV	218.2280, -29.1994, 32.2490
Hunter-Lab	83.8759, 3.8743, 28.5737

# Details

The Yxy color **70.3517, 0.3852, 0.3828** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.2870, 0.2511, 0.2679**, and the grayscale version is **70.4591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **37.0458, 0.4021, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **63.9617, 0.4095, 0.3968**, and if you desaturate by 10%, it is **77.3497, 0.3629, 0.3681**.

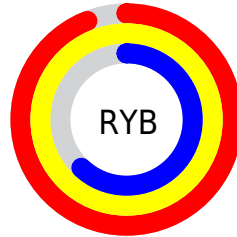
# Distribution



Red (100%)

Green (83%)

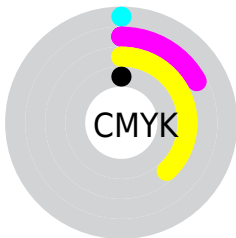
Blue (62%)



Red (94%)

Yellow (100%)

Blue (62%)

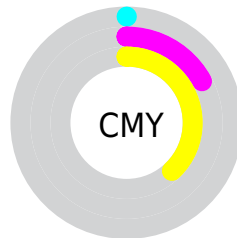


Cyan (0%)

Magenta (17%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3517, 0.3852, 0.3828 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 70.3517, 0.3852, 0.3828 by changing the saturation by 10% instead.





 70.3517, 0.3852,  
0.3828

 70.3517, 0.3852,  
0.3828


461.7839, 0.3515,  
0.3587

 51.8133, 0.3928,  
0.3880


 119.7102, 0.3736,  
0.3747

 36.8563, 0.4021,  
0.3942


 151.2990, 0.3690,  
0.3714

 25.0962, 0.4138,  
0.4018


188.0068, 0.3651,  
0.3686

 16.1488, 0.4286,  
0.4110

230.2180, 0.3617,  
0.3662

 9.6295, 0.4480,  
0.4223

278.3169, 0.3587,  
0.3640

 5.1540, 0.4737,  
0.4356

332.6879, 0.3560,

 2.3379, 0.5308,

0.3620

0.4692

393.7155, 0.3537,  
0.3603

0.7937, 0.5496,  
0.4504

0.0000, 0.0000,  
0.0000

70.3517, 0.3852,  
0.3828

70.3517, 0.3852,  
0.3828

63.9617, 0.4095,  
0.3968

77.3497, 0.3629,  
0.3681

58.1543, 0.4351,  
0.4091

84.9695, 0.3428,  
0.3535

52.9095, 0.4611,  
0.4185

93.2307, 0.3249,  
0.3393

48.2035, 0.4861,  
0.4237

100.0000, 0.3127,  
0.3290

■ 44.0094, 0.5085,  
0.4237

■ 40.2949, 0.5271,  
0.4182

■ 39.4849, 0.5311,  
0.4165

# Harmonies

## Analogous

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



70.3517, 0.3919, 0.3540



70.3517, 0.3852, 0.3828



70.3517, 0.3586, 0.3995

# Triad

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



70.3517, 0.3852, 0.3828



70.3517, 0.2530, 0.3320



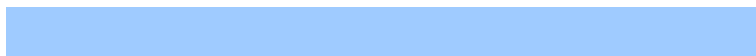
70.3517, 0.3007, 0.2719

# Complementary

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



70.3517, 0.3852, 0.3828



57.2870, 0.2511, 0.2679

# 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.



70.3517, 0.2657, 0.2643



70.3517, 0.3852, 0.3828



70.3517, 0.2396, 0.2959

# Square

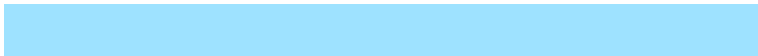
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3517, 0.3852, 0.3828



70.3517, 0.2821, 0.3702



70.3517, 0.2441, 0.2722



70.3517, 0.3413, 0.2923



# Rectangle

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



70.3517, 0.3852, 0.3828



70.3517, 0.3339, 0.3996



70.3517, 0.2441, 0.2722



70.3517, 0.2879, 0.2677

# Sweetspot

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



70.3534, 0.3852, 0.3828



90.3959, 0.3307, 0.3440



50.3977, 0.3619, 0.2828



19.1069, 0.3330, 0.3459



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.



70.3534, 0.3852, 0.3828



65.6017, 0.4029, 0.3932



94.6804, 0.3673, 0.4236



19.6179, 0.3281, 0.3419



20.9341, 0.5288, 0.4183



2.2569, 0.5129, 0.4310

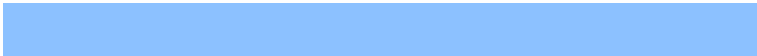


# Inverse Universe

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



57.2870, 0.2511, 0.2679



50.8798, 0.2388, 0.2535



39.7082, 0.2453, 0.2147



18.7490, 0.2979, 0.3158



10.6906, 0.1733, 0.1437



1.2563, 0.1792, 0.1652



# Previews

## White Background



This preview shows how the Yxy color 70.3517, 0.3852, 0.3828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

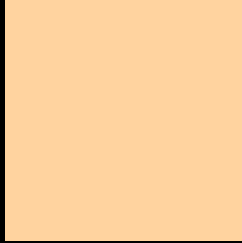
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.3517, 0.3852, 0.3828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

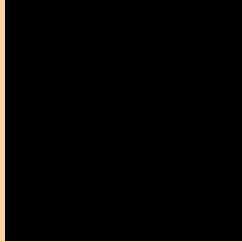
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.3517, 0.3852, 0.3828**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.3517, 0.3852, 0.3828.



This preview shows how white text looks on a background with the Yxy color 70.3517, 0.3852, 0.3828.

# 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

70.3517, 0.3852, 0.3828

### Protanopia

70.2439, 0.3639, 0.3901

### Deuteranopia

70.1432, 0.3796, 0.3736



## Tritanopia

70.5171, 0.3409, 0.3159

# Trichromacy



**Original Color**

70.3517, 0.3852, 0.3828

**Protanomaly**

70.0513, 0.3719, 0.3868

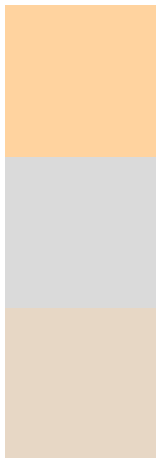
**Deuteranomaly**

70.0335, 0.3818, 0.3767

**Tritanomaly**

70.4030, 0.3572, 0.3404

# Monochromacy



**Original Color**

70.3517, 0.3852, 0.3828

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

69.6210, 0.3372, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3517, 0.3852, 0.3828 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3517, 0.3852, 0.3828 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, 159) }
```

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

```
.border{ border-color:rgb(255, 211, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3517, 0.3852, 0.3828 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
211, 159) }
```

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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