

# Converting Colors

$Y_{xy}(70.2788, 0.3930, 0.3945)$

Have a look what the booklet for  
Yxy(70.2788, 0.3930, 0.3945)  
contains.

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# Color

**Yxy(70.4851, 0.3928, 0.3948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD494
RGB	255, 212, 148
RGB Percent	100%, 83%, 58%
CMY	0.0000, 0.1686, 0.4196
CMYK	0.00, 0.17, 0.42, 0.00
HSL	36°, 100%, 79%
HSV	36°, 42%, 100%
XYZ	70.1280, 70.4851, 37.9206
YIQ	217.5610, 46.1720, -10.7880

# Conversions

## Conversions Part 2

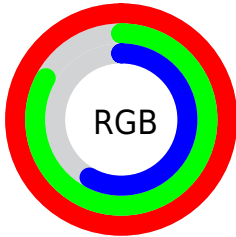
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 255, 148
Decimal	16766100
CIE Lab	87.23, 6.83, 37.28
CIE LCh	87, 37.898, 79.612
Yxy	70.4851, 0.3928, 0.3948
Android (android.graphics.Color)	4294956180 (0xFFFFD494)
YUV	217.5610, -34.2936, 32.8340
Hunter-Lab	83.9554, 2.1793, 31.9890

# Details

The Yxy color **70.4851, 0.3928, 0.3948** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.7687, 0.2426, 0.2520**, and the grayscale version is **70.0110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **37.0340, 0.4105, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **64.8070, 0.4161, 0.4095**, and if you desaturate by 10%, it is **76.6728, 0.3708, 0.3790**.

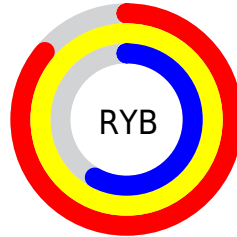
# Distribution



Red (100%)

Green (83%)

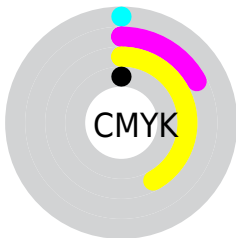
Blue (58%)



Red (86%)

Yellow (100%)

Blue (58%)

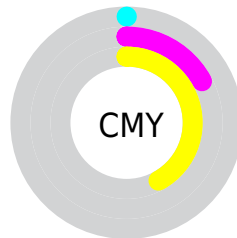


Cyan (0%)

Magenta (17%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4851, 0.3928, 0.3948 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 70.4851, 0.3928, 0.3948 by changing the saturation by 10% instead.





 70.4851, 0.3928,  
0.3948


 70.4851, 0.3928,  
0.3948


462.2514, 0.3559,  
0.3654

 51.9221, 0.4010,  
0.4011


 119.9003, 0.3801,  
0.3849

 36.9430, 0.4110,  
0.4086


 151.5213, 0.3752,  
0.3810

 25.1634, 0.4232,  
0.4176


188.2637, 0.3709,  
0.3775

 16.1988, 0.4386,  
0.4284

230.5120, 0.3671,  
0.3745

 9.6649, 0.4581,  
0.4413

278.6505, 0.3638,  
0.3718

 5.1774, 0.4836,  
0.4567

333.0636, 0.3609,

 2.3517, 0.5222,

0.3695

0.4778

394.1358, 0.3583,  
0.3673

0.8009, 0.5376,  
0.4624

0.0000, 0.0000,  
0.0000

70.4851, 0.3928,  
0.3948

70.4851, 0.3928,  
0.3948

64.8070, 0.4161,  
0.4095

76.6728, 0.3708,  
0.3790

59.6106, 0.4398,  
0.4219

83.3765, 0.3505,  
0.3628

54.8800, 0.4630,  
0.4308

90.6153, 0.3321,  
0.3470

50.5935, 0.4842,  
0.4351

98.4038, 0.3157,  
0.3319

■ 46.7262, 0.5023,  
0.4340

100.0000, 0.3127,  
0.3290

■ 43.8957, 0.5145,  
0.4297

# Harmonies

## Analogous

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



70.4851, 0.4050, 0.3627



70.4851, 0.3928, 0.3948



70.4851, 0.3589, 0.4119

# Triad

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



70.4851, 0.3928, 0.3948



70.4851, 0.2402, 0.3248



70.4851, 0.3059, 0.2665

# Complementary

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



70.4851, 0.3928, 0.3948



50.7687, 0.2426, 0.2520

# 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.



70.4851, 0.2640, 0.2552



70.4851, 0.3928, 0.3948



70.4851, 0.2283, 0.2848

# Square

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



70.4851, 0.3928, 0.3948



70.4851, 0.2708, 0.3705



70.4851, 0.2367, 0.2609



70.4851, 0.3528, 0.2916



# Rectangle

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



70.4851, 0.3928, 0.3948



70.4851, 0.3295, 0.4098



70.4851, 0.2367, 0.2609



70.4851, 0.2907, 0.2610

# Sweetspot

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



70.4884, 0.3928, 0.3948



89.8408, 0.3339, 0.3486



46.2679, 0.3754, 0.2829



18.8803, 0.3379, 0.3521



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.



70.4884, 0.3928, 0.3948



65.8844, 0.4114, 0.4067



93.2655, 0.3694, 0.4353



19.7945, 0.3279, 0.3432



23.2369, 0.5125, 0.4313



2.4767, 0.4990, 0.4420

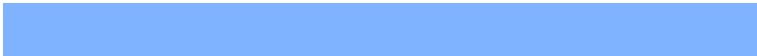


# Inverse Universe

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



50.7687, 0.2426, 0.2520



43.9004, 0.2288, 0.2339



35.5552, 0.2398, 0.2005



18.5756, 0.2979, 0.3144



9.0576, 0.1684, 0.1264



1.0891, 0.1746, 0.1487



# Previews

## White Background



This preview shows how the Yxy color 70.4851, 0.3928, 0.3948 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

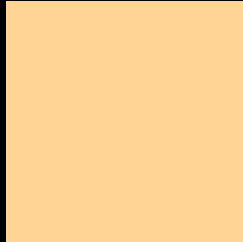
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4851, 0.3928, 0.3948 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 70.4851, 0.3928, 0.3948**

## Background



This preview shows how black text looks on a background with the Yxy color 70.4851, 0.3928, 0.3948.



This preview shows how white text looks on a background with the Yxy color 70.4851, 0.3928, 0.3948.

# 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

70.4851, 0.3928, 0.3948

### Protanopia

70.9019, 0.3736, 0.4023

### Deuteranopia

70.4929, 0.3822, 0.3787



## Tritanopia

70.5171, 0.3409, 0.3159

# Trichromacy



**Original Color**

70.4851, 0.3928, 0.3948

**Protanomaly**

70.5468, 0.3810, 0.3989

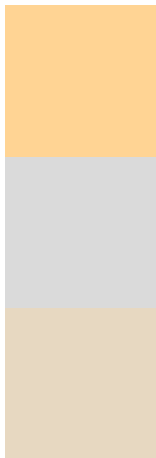
**Deuteranomaly**

70.3172, 0.3859, 0.3838

**Tritanomaly**

70.2220, 0.3603, 0.3446

# Monochromacy



**Original Color**

70.4851, 0.3928, 0.3948

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

69.9509, 0.3399, 0.3542

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4851, 0.3928, 0.3948 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, 212, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 148)  
}
```

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, 212, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4851, 0.3928, 0.3948 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, 212, 148) }
```

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

```
.border{ border-color:rgb(255, 212, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4851, 0.3928, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 148) }
```

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

```
.background{ background-color: rgb(255,  
212, 148) }
```

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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