

# Converting Colors

$Y_{xy}(69.3076, 0.3931, 0.3953)$

Have a look what the booklet for  
Yxy(69.3076, 0.3931, 0.3953)  
contains.

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# Color

**Yxy(69.0512, 0.3935, 0.3953)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDD292
RGB	253, 210, 146
RGB Percent	99%, 82%, 57%
CMY	0.0079, 0.1764, 0.4275
CMYK	0.00, 0.17, 0.42, 0.01
HSL	36°, 96%, 78%
HSV	36°, 42%, 99%
XYZ	68.7368, 69.0512, 36.8925
YIQ	215.5610, 46.1720, -10.7880

# Conversions

## Conversions Part 2

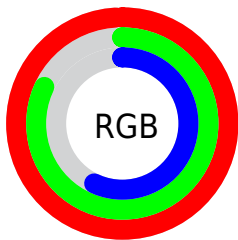
Format	Color
R <sub>Y</sub> B	218, 253, 146
Decimal	16634514
CIE Lab	86.53, 6.86, 37.34
CIE LCh	87, 37.970, 79.586
Yxy	69.0512, 0.3935, 0.3953
Android (android.graphics.Color)	4294824594 (0xFFFD292)
YUV	215.5610, -34.2936, 32.8340
Hunter-Lab	83.0971, 2.2330, 31.8450

# Details

The Yxy color **69.0512, 0.3935, 0.3953** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.5744, 0.2421, 0.2513**, and the grayscale version is **68.5693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **36.1872, 0.4126, 0.4100** is the 20% darker color. If you saturate the color by 10%, you get **63.4937, 0.4168, 0.4099**, and if you desaturate by 10%, it is **75.1078, 0.3715, 0.3795**.

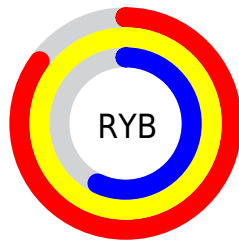
# Distribution



Red (99%)

Green (82%)

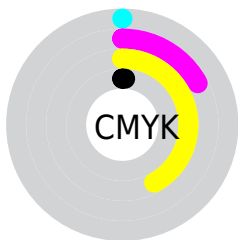
Blue (57%)



Red (85%)

Yellow (99%)

Blue (57%)

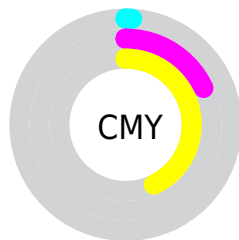


Cyan (0%)

Magenta (17%)

Yellow (42%)

Black (1%)



Cyan (1%)

Magenta (18%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0512, 0.3935, 0.3953 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 69.0512, 0.3935, 0.3953 by changing the saturation by 10% instead.




 69.0512, 0.3935,  
0.3953


 69.0512, 0.3935,  
0.3953


457.2115, 0.3562,  
0.3656

 50.7534, 0.4018,  
0.4017


 117.8547, 0.3807,  
0.3853

 36.0124, 0.4119,  
0.4093


 149.1292, 0.3756,  
0.3813

 24.4438, 0.4244,  
0.4184


185.4981, 0.3713,  
0.3778

 15.6631, 0.4401,  
0.4294

227.3457, 0.3675,  
0.3748

 9.2861, 0.4599,  
0.4424

275.0564, 0.3641,  
0.3721

 4.9283, 0.4867,  
0.4586

329.0147, 0.3612,

 2.2052, 0.5231,

0.3697

0.4769

389.6050, 0.3585,  
0.3675

0.7228, 0.5418,  
0.4582

0.0000, 0.0000,  
0.0000

69.0512, 0.3935,  
0.3953

69.0512, 0.3935,  
0.3953

63.4937, 0.4168,  
0.4099

75.1078, 0.3715,  
0.3795

58.4082, 0.4405,  
0.4223

81.6701, 0.3511,  
0.3634

53.7788, 0.4636,  
0.4311

88.7565, 0.3327,  
0.3475

49.5842, 0.4847,  
0.4352

96.3816, 0.3162,  
0.3324

■ 45.7999, 0.5027, 99.6191, 0.3115,  
0.4340 0.3290

■ 43.1387, 0.5144,  
0.4298

# Harmonies

## Analogous

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



69.0512, 0.4058, 0.3629



69.0512, 0.3935, 0.3953



69.0512, 0.3593, 0.4127

# Triad

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



69.0512, 0.3935, 0.3953



69.0512, 0.2396, 0.3248



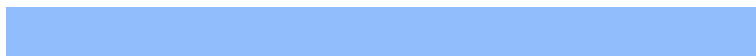
69.0512, 0.3058, 0.2660

# Complementary

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



69.0512, 0.3935, 0.3953



49.5744, 0.2421, 0.2513

# 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.



69.0512, 0.2635, 0.2546



69.0512, 0.3935, 0.3953



69.0512, 0.2277, 0.2845

# Square

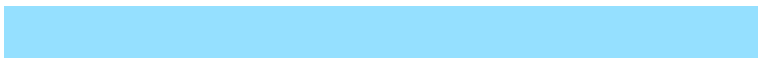
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.0512, 0.3935, 0.3953



69.0512, 0.2705, 0.3709



69.0512, 0.2361, 0.2603



69.0512, 0.3531, 0.2913



# Rectangle

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



69.0512, 0.3935, 0.3953



69.0512, 0.3296, 0.4106



69.0512, 0.2361, 0.2603



69.0512, 0.2905, 0.2605

# Sweetspot

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



69.0545, 0.3935, 0.3953



89.8446, 0.3339, 0.3486



45.1747, 0.3761, 0.2825



18.8812, 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.



69.0545, 0.3935, 0.3953



65.3456, 0.4138, 0.4082



91.5581, 0.3698, 0.4361



19.7951, 0.3279, 0.3432



23.2453, 0.5124, 0.4313



2.4775, 0.4989, 0.4421



# Inverse Universe

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



49.5744, 0.2421, 0.2513



43.0892, 0.2271, 0.2316



34.6026, 0.2392, 0.1994



18.5750, 0.2979, 0.3144



9.0524, 0.1684, 0.1263



1.0885, 0.1746, 0.1486



# Previews

## White Background



This preview shows how the Yxy color 69.0512, 0.3935, 0.3953 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 69.0512, 0.3935, 0.3953 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

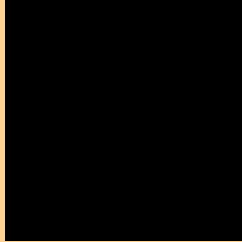
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.0512, 0.3935, 0.3953**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0512, 0.3935, 0.3953.



This preview shows how white text looks on a background with the Yxy color 69.0512, 0.3935, 0.3953.

# 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

69.0512, 0.3935, 0.3953

### Protanopia

69.2881, 0.3733, 0.4031

### Deuteranopia

68.8061, 0.3878, 0.3819



## Tritanopia

68.9816, 0.3429, 0.3148

# Trichromacy



**Original Color**

69.0512, 0.3935, 0.3953

**Protanomaly**

68.9320, 0.3808, 0.3997

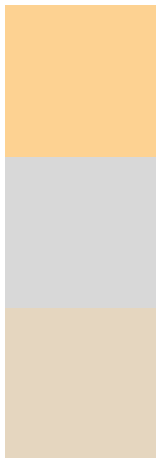
**Deuteranomaly**

68.9717, 0.3896, 0.3871

**Tritanomaly**

68.9750, 0.3615, 0.3447

# Monochromacy



**Original Color**

69.0512, 0.3935, 0.3953

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

68.5127, 0.3402, 0.3544

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0512, 0.3935, 0.3953 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(253, 210, 146)` looks like.

```
.text, #text, p{  
    color:rgb(253, 210, 146)  
}
```

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(253, 210, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 210, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0512, 0.3935, 0.3953 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(253, 210, 146) }
```

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

```
.border{ border-color:rgb(253, 210, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 210, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 210, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 210, 146);  
box-shadow:4px 4px 4px 4px rgb(253, 210,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0512, 0.3935, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 210, 146) }
```

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

```
.background{ background-color: rgb(253,  
210, 146) }
```

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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