

# Converting Colors

$Yxy(78.6457, 0.4133, 0.3883)$

Have a look what the booklet for  
Yxy(78.6457, 0.4133, 0.3883)  
contains.

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# Color

**Yxy(72.0952, 0.3894, 0.3947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD797
RGB	255, 215, 151
RGB Percent	100%, 84%, 59%
CMY	0.0000, 0.1568, 0.4079
CMYK	0.00, 0.16, 0.41, 0.00
HSL	37°, 100%, 80%
HSV	37°, 41%, 100%
XYZ	71.1271, 72.0952, 39.4359
YIQ	219.6640, 44.3840, -11.4240

# Conversions

## Conversions Part 2

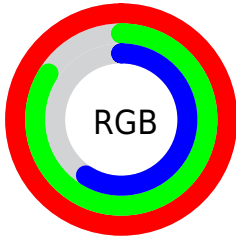
Format	Color
R <sub>Y</sub> B	216, 255, 151
Decimal	16766871
CIE Lab	88.01, 5.61, 36.77
CIE LCh	88, 37.197, 81.332
Yxy	72.0952, 0.3894, 0.3947
Android (android.graphics.Color)	4294956951 (0xFFFFD797)
YUV	219.6640, -33.8514, 30.9897
Hunter-Lab	84.9089, 0.9366, 31.8990

# Details

The Yxy color **72.0952, 0.3894, 0.3947** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.0484, 0.2443, 0.2523**, and the grayscale version is **71.5405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **37.9128, 0.4075, 0.4082** is the 20% darker color. If you saturate the color by 10%, you get **66.5115, 0.4121, 0.4100**, and if you desaturate by 10%, it is **78.1611, 0.3679, 0.3784**.

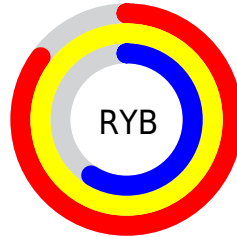
# Distribution



Red (100%)

Green (84%)

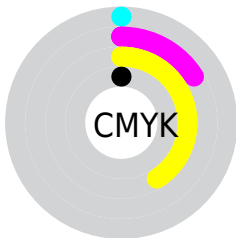
Blue (59%)



Red (85%)

Yellow (100%)

Blue (59%)

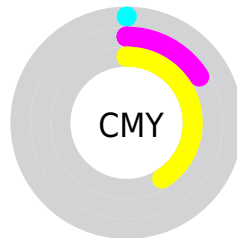


Cyan (0%)

Magenta (16%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0952, 0.3894, 0.3947 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 72.0952, 0.3894, 0.3947 by changing the saturation by 10% instead.





 72.0952, 0.3894,  
0.3947


 72.0952, 0.3894,  
0.3947


467.8729, 0.3542,  
0.3653

 53.2364, 0.3972,  
0.4010


 122.1919, 0.3774,  
0.3848

 37.9916, 0.4066,  
0.4086


 154.1986, 0.3726,  
0.3808

 25.9761, 0.4183,  
0.4177


191.3567, 0.3685,  
0.3774

 16.8058, 0.4328,  
0.4287

234.0507, 0.3649,  
0.3744

 10.0961, 0.4513,  
0.4421

282.6649, 0.3618,  
0.3717

 5.4627, 0.4748,  
0.4577

337.5838, 0.3590,

 2.5212, 0.5154,

0.3693

0.4846

399.1916, 0.3565,  
0.3672

0.8872, 0.5268,  
0.4732

0.0000, 0.0000,  
0.0000

72.0952, 0.3894,  
0.3947

72.0952, 0.3894,  
0.3947

66.5115, 0.4121,  
0.4100

78.1611, 0.3679,  
0.3784

61.3874, 0.4352,  
0.4231

84.7193, 0.3481,  
0.3618

56.7066, 0.4577,  
0.4328

91.7863, 0.3301,  
0.3456

52.4485, 0.4784,  
0.4380

99.3762, 0.3139,  
0.3302

■ 48.5895, 0.4961, 100.0000, 0.3127,  
0.4380 0.3290

■ 45.3582, 0.5095,  
0.4337

# Harmonies

## Analogous

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



72.0952, 0.4027, 0.3640



72.0952, 0.3894, 0.3947



72.0952, 0.3555, 0.4100

# Triad

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



72.0952, 0.3894, 0.3947



72.0952, 0.2408, 0.3225



72.0952, 0.3087, 0.2690

# Complementary

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



72.0952, 0.3894, 0.3947



51.0484, 0.2443, 0.2523

# 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.



72.0952, 0.2672, 0.2571



72.0952, 0.3894, 0.3947



72.0952, 0.2303, 0.2842

# Square

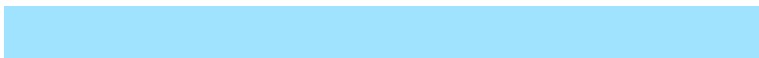
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0952, 0.3894, 0.3947



72.0952, 0.2698, 0.3670



72.0952, 0.2396, 0.2617



72.0952, 0.3543, 0.2943



# Rectangle

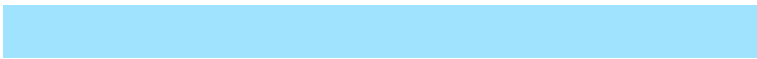
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0952, 0.3894, 0.3947



72.0952, 0.3266, 0.4069



72.0952, 0.2396, 0.2617



72.0952, 0.2938, 0.2634

# Sweetspot

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



72.0971, 0.3894, 0.3947



90.9051, 0.3321, 0.3476



47.2188, 0.3747, 0.2859



19.2553, 0.3344, 0.3497



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.



72.0971, 0.3894, 0.3947



67.4779, 0.4079, 0.4073



93.0940, 0.3667, 0.4329



19.8489, 0.3279, 0.3436



23.9987, 0.5076, 0.4352



2.5484, 0.4948, 0.4453



# Inverse Universe

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



51.0484, 0.2443, 0.2523



43.8475, 0.2300, 0.2334



36.9638, 0.2434, 0.2050



18.5228, 0.2979, 0.3140



8.6083, 0.1671, 0.1214



1.0419, 0.1733, 0.1438



# Previews

## White Background



This preview shows how the Yxy color 72.0952, 0.3894, 0.3947 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 72.0952, 0.3894, 0.3947 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

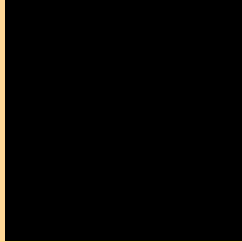
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.0952, 0.3894, 0.3947**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0952, 0.3894, 0.3947.



This preview shows how white text looks on a background with the Yxy color 72.0952, 0.3894, 0.3947.

# 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**

72.0952, 0.3894, 0.3947

**Protanopia**

72.3635, 0.3731, 0.4017

**Deuteranopia**

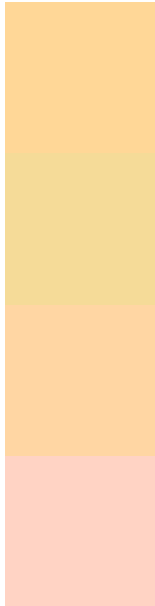
72.2554, 0.3760, 0.3745



## Tritanopia

72.1349, 0.3382, 0.3159

# Trichromacy



**Original Color**

72.0952, 0.3894, 0.3947

**Protanomaly**

72.3425, 0.3792, 0.3996

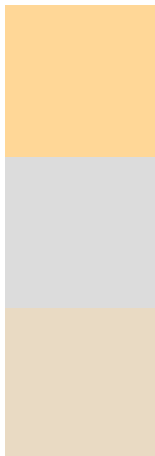
**Deuteranomaly**

71.9975, 0.3811, 0.3816

**Tritanomaly**

71.8341, 0.3573, 0.3445

# Monochromacy



**Original Color**

72.0952, 0.3894, 0.3947

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

71.4066, 0.3397, 0.3540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0952, 0.3894, 0.3947 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, 215, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 151)  
}
```

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, 215, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0952, 0.3894, 0.3947 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, 215, 151) }
```

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

```
.border{ border-color:rgb(255, 215, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 215, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 215, 151); box-shadow:4px 4px 4px 4px rgb(255, 215, 151) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0952, 0.3894, 0.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 151) }
```

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

```
.background{ background-color: rgb(255,  
215, 151) }
```

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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