

# Converting Colors

$Y_{xy}(75.1175, 0.4004, 0.3778)$

Have a look what the booklet for  
Yxy(75.1175, 0.4004, 0.3778)  
contains.

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# Color

**Yxy(70.9202, 0.3833, 0.3817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4A1
RGB	255, 212, 161
RGB Percent	100%, 83%, 63%
CMY	0.0000, 0.1686, 0.3685
CMYK	0.00, 0.17, 0.37, 0.00
HSL	33°, 100%, 82%
HSV	33°, 37%, 100%
XYZ	71.2175, 70.9202, 43.6632
YIQ	219.0430, 41.9990, -6.7450

# Conversions

## Conversions Part 2

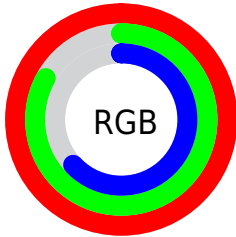
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 255, 161
Decimal	16766113
CIE Lab	87.45, 8.25, 30.87
CIE LCh	87, 31.953, 75.042
Yxy	70.9202, 0.3833, 0.3817
Android (android.graphics.Color)	4294956193 (0xFFFFD4A1)
YUV	219.0430, -28.6152, 31.5343
Hunter-Lab	84.2141, 3.5776, 28.2093

# Details

The Yxy color **70.9202, 0.3833, 0.3817** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.9922, 0.2525, 0.2694**, and the grayscale version is **71.0533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **37.0884, 0.4002, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **64.4899, 0.4074, 0.3958**, and if you desaturate by 10%, it is **77.9620, 0.3612, 0.3670**.

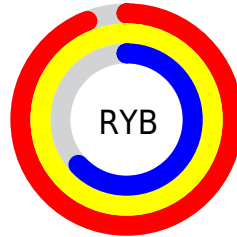
# Distribution



Red (100%)

Green (83%)

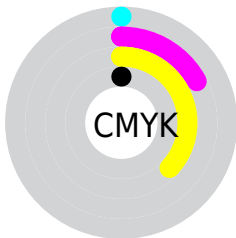
Blue (63%)



Red (94%)

Yellow (100%)

Blue (63%)

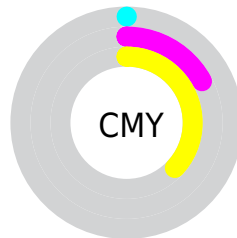


Cyan (0%)

Magenta (17%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9202, 0.3833, 0.3817 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 70.9202, 0.3833, 0.3817 by changing the saturation by 10% instead.




 70.9202, 0.3833,  
0.3817

 70.9202, 0.3833,  
0.3817

463.7744, 0.3506,  
0.3581

 52.2771, 0.3907,  
0.3868


 120.5201, 0.3720,  
0.3737

 37.2260, 0.3998,  
0.3929


 152.2457, 0.3676,  
0.3706

 25.3825, 0.4111,  
0.4004


189.1008, 0.3638,  
0.3678

 16.3623, 0.4255,  
0.4095

231.4700, 0.3604,  
0.3654

 9.7809, 0.4445,  
0.4208

279.7375, 0.3575,  
0.3632

 5.2539, 0.4697,  
0.4342

334.2878, 0.3549,

 2.3970, 0.5290,

0.3613

0.4710

395.5053, 0.3526,  
0.3596

0.8243, 0.5464,  
0.4536

0.0000, 0.0000,  
0.0000

70.9202, 0.3833,  
0.3817

70.9202, 0.3833,  
0.3817

64.4899, 0.4074,  
0.3958

77.9620, 0.3612,  
0.3670

58.6411, 0.4330,  
0.4083

85.6243, 0.3413,  
0.3523

53.3556, 0.4590,  
0.4180

93.9281, 0.3236,  
0.3382

48.6097, 0.4841,  
0.4236

99.9997, 0.3127,  
0.3290

■ 44.3771, 0.5067,  
0.4241

■ 40.6265, 0.5255,  
0.4190

■ 39.5344, 0.5309,  
0.4166

# Harmonies

## Analogous

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



70.9202, 0.3899, 0.3537



70.9202, 0.3833, 0.3817



70.9202, 0.3573, 0.3977

# Triad

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



70.9202, 0.3833, 0.3817



70.9202, 0.2543, 0.3317



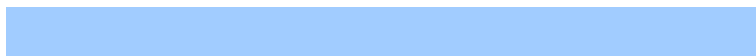
70.9202, 0.3013, 0.2733

# Complementary

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



70.9202, 0.3833, 0.3817



57.9922, 0.2525, 0.2694

# 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.



70.9202, 0.2670, 0.2658



70.9202, 0.3833, 0.3817



70.9202, 0.2413, 0.2967

# Square

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



70.9202, 0.3833, 0.3817



70.9202, 0.2827, 0.3689



70.9202, 0.2458, 0.2735



70.9202, 0.3408, 0.2934



# Rectangle

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



70.9202, 0.3833, 0.3817



70.9202, 0.3332, 0.3977



70.9202, 0.2458, 0.2735



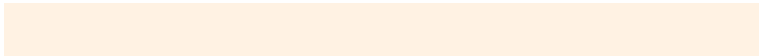
70.9202, 0.2888, 0.2692

# Sweetspot

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



70.9235, 0.3833, 0.3817



90.4073, 0.3307, 0.3440



51.1592, 0.3605, 0.2838



19.1096, 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.



70.9235, 0.3833, 0.3817



66.2662, 0.4004, 0.3919



94.7632, 0.3662, 0.4217



19.6200, 0.3281, 0.3419



20.9604, 0.5286, 0.4185

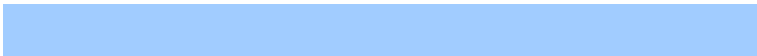


2.2594, 0.5127, 0.4311

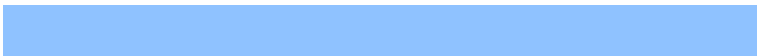


# Inverse Universe

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



57.9922, 0.2525, 0.2694



51.6832, 0.2405, 0.2554



40.6266, 0.2470, 0.2175



18.7469, 0.2979, 0.3158



10.6693, 0.1732, 0.1435



1.2541, 0.1792, 0.1650



# Previews

## White Background



This preview shows how the Yxy color 70.9202, 0.3833, 0.3817 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 70.9202, 0.3833, 0.3817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

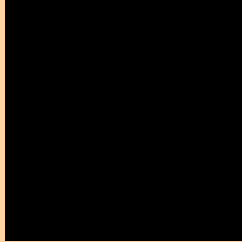
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.9202, 0.3833, 0.3817**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.9202, 0.3833, 0.3817.



This preview shows how white text looks on a background with the Yxy color 70.9202, 0.3833, 0.3817.

# 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

70.9202, 0.3833, 0.3817

### Protanopia

71.0055, 0.3630, 0.3888

### Deuteranopia

70.7508, 0.3770, 0.3715



## Tritanopia

71.0530, 0.3400, 0.3159

# Trichromacy



**Original Color**

70.9202, 0.3833, 0.3817

**Protanomaly**

70.6333, 0.3701, 0.3857

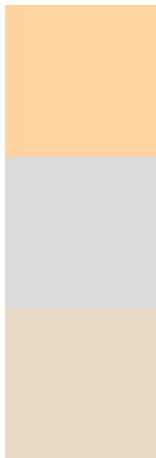
**Deuteranomaly**

70.6386, 0.3792, 0.3746

**Tritanomaly**

70.9844, 0.3555, 0.3394

# Monochromacy



**Original Color**

70.9202, 0.3833, 0.3817

**Achromatopsia**

70.8376, 0.3127, 0.3290

**Achromatomaly**

70.3448, 0.3371, 0.3486

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9202, 0.3833, 0.3817 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9202, 0.3833, 0.3817 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, 161) }
```

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

```
.border{ border-color:rgb(255, 212, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9202, 0.3833, 0.3817 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, 161) }
```

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

```
.background{ background-color: rgb(255,  
212, 161) }
```

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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