

# Converting Colors

$Y_{xy}(73.0013, 0.3925, 0.3737)$

Have a look what the booklet for  
Yxy(73.0013, 0.3925, 0.3737)  
contains.

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# Color

**Yxy(70.0698, 0.3811, 0.3757)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2A5
RGB	255, 210, 165
RGB Percent	100%, 82%, 65%
CMY	0.0000, 0.1764, 0.3531
CMYK	0.00, 0.18, 0.35, 0.00
HSL	30°, 100%, 82%
HSV	30°, 35%, 100%
XYZ	71.0769, 70.0698, 45.3579
YIQ	218.3250, 41.2650, -4.4550

# Conversions

## Conversions Part 2

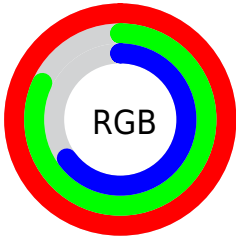
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 255, 165
Decimal	16765605
CIE Lab	87.03, 9.74, 28.27
CIE LCh	87, 29.901, 70.994
Yxy	70.0698, 0.3811, 0.3757
Android (android.graphics.Color)	4294955685 (0xFFFFD2A5)
YUV	218.3250, -26.2892, 32.1640
Hunter-Lab	83.7077, 5.0774, 26.4685

# Details

The Yxy color **70.0698, 0.3811, 0.3757** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.2874, 0.2557, 0.2769**, and the grayscale version is **70.5099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **36.8395, 0.3969, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **63.1903, 0.4060, 0.3889**, and if you desaturate by 10%, it is **77.6399, 0.3586, 0.3620**.

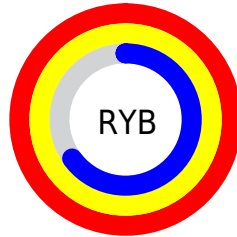
# Distribution



Red (100%)

Green (82%)

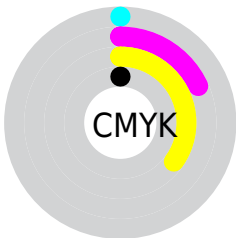
Blue (65%)



Red (100%)

Yellow (100%)

Blue (65%)

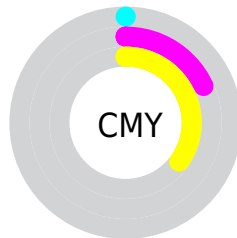


Cyan (0%)

Magenta (18%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0698, 0.3811, 0.3757 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 70.0698, 0.3811, 0.3757 by changing the saturation by 10% instead.





 70.0698, 0.3811,  
0.3757


 70.0698, 0.3811,  
0.3757


460.7950, 0.3492,  
0.3548

 51.5834, 0.3884,  
0.3802


 119.3083, 0.3700,  
0.3686

 36.6731, 0.3973,  
0.3857


 150.8292, 0.3657,  
0.3658

 24.9545, 0.4085,  
0.3923


187.4638, 0.3620,  
0.3634

 16.0432, 0.4230,  
0.4004

229.5964, 0.3588,  
0.3612

 9.5547, 0.4422,  
0.4105

277.6114, 0.3560,  
0.3594

 5.1047, 0.4683,  
0.4226

331.8933, 0.3534,

 2.3088, 0.5287,

0.3577

0.4562

392.8263, 0.3512,  
0.3562

0.7784, 0.5586,  
0.4414

0.0000, 0.0000,  
0.0000

70.0698, 0.3811,  
0.3757

70.0698, 0.3811,  
0.3757

63.1903, 0.4060,  
0.3889

77.6399, 0.3586,  
0.3620

56.9720, 0.4328,  
0.4008

85.9153, 0.3386,  
0.3485

51.3930, 0.4606,  
0.4100

94.9185, 0.3211,  
0.3356

46.4269, 0.4881,  
0.4154

100.0000, 0.3127,  
0.3290

■ 42.0446, 0.5133,  
0.4158

■ 38.2124, 0.5347,  
0.4105

■ 36.5866, 0.5435,  
0.4066

# Harmonies

## Analogous

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



70.0698, 0.3844, 0.3485



70.0698, 0.3811, 0.3757



70.0698, 0.3589, 0.3925

# Triad

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



70.0698, 0.3811, 0.3757



70.0698, 0.2606, 0.3366



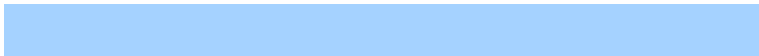
70.0698, 0.2972, 0.2747

# Complementary

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



70.0698, 0.3811, 0.3757



61.2874, 0.2557, 0.2769

# 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.



70.0698, 0.2662, 0.2695



70.0698, 0.3811, 0.3757



70.0698, 0.2460, 0.3027

# Square

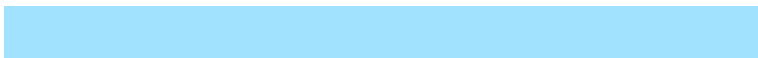
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0698, 0.3811, 0.3757



70.0698, 0.2890, 0.3704



70.0698, 0.2481, 0.2789



70.0698, 0.3343, 0.2923



# Rectangle

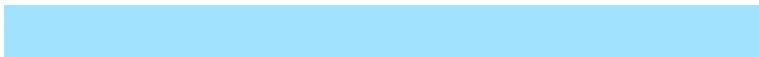
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0698, 0.3811, 0.3757



70.0698, 0.3370, 0.3941



70.0698, 0.2481, 0.2789



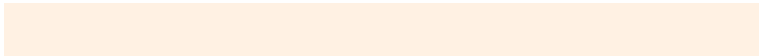
70.0698, 0.2858, 0.2714

# Sweetspot

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



70.0720, 0.3811, 0.3757



89.7037, 0.3308, 0.3428



52.8095, 0.3551, 0.2827



18.9420, 0.3332, 0.3446



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.



70.0720, 0.3811, 0.3757



65.3923, 0.3975, 0.3847



95.4953, 0.3661, 0.4172



19.4886, 0.3282, 0.3409



19.4159, 0.5410, 0.4087



2.1089, 0.5234, 0.4226

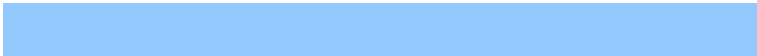


# Inverse Universe

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



61.2874, 0.2557, 0.2769



55.4761, 0.2447, 0.2650



42.1128, 0.2482, 0.2224



18.8776, 0.2979, 0.3168



12.0604, 0.1770, 0.1573



1.3927, 0.1827, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 70.0698, 0.3811, 0.3757 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 70.0698, 0.3811, 0.3757 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

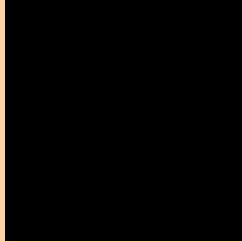
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.0698, 0.3811, 0.3757**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0698, 0.3811, 0.3757.



This preview shows how white text looks on a background with the Yxy color 70.0698, 0.3811, 0.3757.

# 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

70.0698, 0.3811, 0.3757

### Protanopia

70.3310, 0.3582, 0.3826

### Deuteranopia

70.1803, 0.3788, 0.3726



## Tritanopia

69.9846, 0.3418, 0.3159

# Trichromacy



**Original Color**

70.0698, 0.3811, 0.3757

**Protanomaly**

70.1288, 0.3661, 0.3795

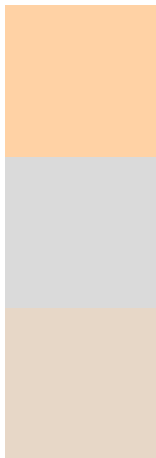
**Deuteranomaly**

70.1432, 0.3796, 0.3736

**Tritanomaly**

70.0092, 0.3559, 0.3374

# Monochromacy



**Original Color**

70.0698, 0.3811, 0.3757

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

69.7133, 0.3358, 0.3465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0698, 0.3811, 0.3757 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, 210, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 165)  
}
```

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, 210, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0698, 0.3811, 0.3757 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, 210, 165) }
```

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

```
.border{ border-color:rgb(255, 210, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
165) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 70.0698, 0.3811, 0.3757$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 165) }
```

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

```
.background{ background-color: rgb(255,  
210, 165) }
```

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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