

# Converting Colors

$Y_{xy}(68.7979, 0.3710, 0.3543)$

Have a look what the booklet for  
Yxy(68.7979, 0.3710, 0.3543)  
contains.

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# Color

**Yxy(68.7388, 0.3701, 0.3551)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCEB5
RGB	255, 206, 181
RGB Percent	100%, 81%, 71%
CMY	0.0001, 0.1921, 0.2903
CMYK	0.00, 0.19, 0.29, 0.00
HSL	20°, 100%, 85%
HSV	20°, 29%, 100%
XYZ	71.6424, 68.7388, 53.1947
YIQ	217.8010, 37.2290, 2.6130

# Conversions

## Conversions Part 2

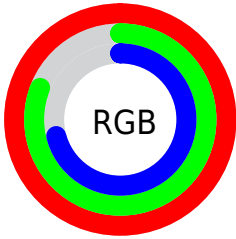
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 219, 181
Decimal	16764597
CIE <sub>Lab</sub>	86.37, 13.77, 18.99
CIE <sub>LCh</sub>	86, 23.455, 54.056
Yxy	68.7388, 0.3701, 0.3551
Android (android.graphics.Color)	4294954677 (0xFFFFCEB5)
YUV	217.8010, -18.1429, 32.6235
Hunter-Lab	82.9089, 9.1532, 19.9955

# Details

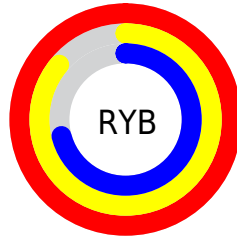
The Yxy color **68.7388, 0.3701, 0.3551** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.5946, 0.2676, 0.3012**, and the grayscale version is **70.0745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **35.8853, 0.3839, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **60.0977, 0.3967, 0.3645**, and if you desaturate by 10%, it is **78.4495, 0.3472, 0.3457**.

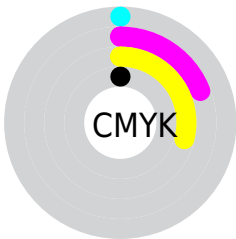
# Distribution



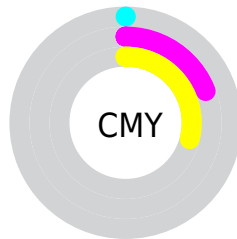
- Red (100%)
- Green (81%)
- Blue (71%)



- Red (100%)
- Yellow (86%)
- Blue (71%)



- Cyan (0%)
- Magenta (19%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (19%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7388, 0.3701, 0.3551 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 68.7388, 0.3701, 0.3551 by changing the saturation by 10% instead.




 68.7388, 0.3701,  
0.3551

 68.7388, 0.3701,  
0.3551


456.1092, 0.3431,  
0.3435

 50.4990, 0.3764,  
0.3576


 117.4084, 0.3606,  
0.3512

 35.8101, 0.3842,  
0.3606


148.6071, 0.3570,  
0.3497

 24.2875, 0.3941,  
0.3642


184.8941, 0.3538,  
0.3483

 15.5471, 0.4071,  
0.3687

226.6539, 0.3511,  
0.3471

 9.2042, 0.4249,  
0.3743

274.2710, 0.3487,  
0.3461

 4.8746, 0.4506,  
0.3812

328.1296, 0.3466,

 2.1739, 0.4928,

0.3451

0.3910

388.6142, 0.3447,  
0.3443

0.7057, 0.5906,  
0.4094

0.0000, 0.0000,  
0.0000

68.7388, 0.3701,  
0.3551

68.7388, 0.3701,  
0.3551

60.0977, 0.3967,  
0.3645

78.4495, 0.3472,  
0.3457

52.4787, 0.4271,  
0.3732

89.2561, 0.3277,  
0.3367

45.8449, 0.4608,  
0.3803

99.9950, 0.3127,  
0.3290

40.1531, 0.4964,  
0.3847

■ 35.3564, 0.5314,  
0.3850

■ 31.4029, 0.5627,  
0.3802

■ 28.2300, 0.5876,  
0.3709

■ 27.9568, 0.5898,  
0.3699

# Harmonies

## Analogous

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



68.7388, 0.3632, 0.3315



68.7388, 0.3701, 0.3551



68.7388, 0.3608, 0.3734

# Triad

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



68.7388, 0.3701, 0.3551



68.7388, 0.2831, 0.3506



68.7388, 0.2856, 0.2818

# Complementary

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



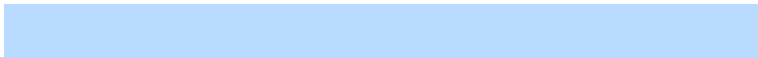
68.7388, 0.3701, 0.3551



73.5946, 0.2676, 0.3012

# 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.



68.7388, 0.2660, 0.2845



68.7388, 0.3701, 0.3551



68.7388, 0.2646, 0.3232

# Square

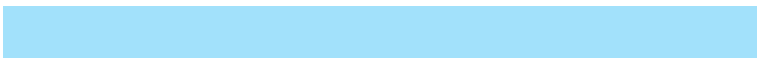
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7388, 0.3701, 0.3551



68.7388, 0.3101, 0.3723



68.7388, 0.2585, 0.2991



68.7388, 0.3133, 0.2905



# Rectangle

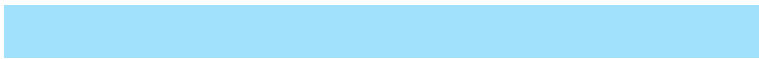
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7388, 0.3701, 0.3551



68.7388, 0.3471, 0.3797



68.7388, 0.2585, 0.2991



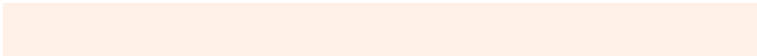
68.7388, 0.2779, 0.2814

# Sweetspot

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



68.7420, 0.3701, 0.3551



89.3014, 0.3277, 0.3367



60.0238, 0.3353, 0.2792



18.7626, 0.3303, 0.3379



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.



68.7420, 0.3701, 0.3551



63.4632, 0.3856, 0.3607



88.4766, 0.3599, 0.3907



18.9917, 0.3286, 0.3371



14.8577, 0.5868, 0.3722

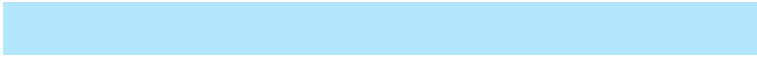


1.6393, 0.5649, 0.3896

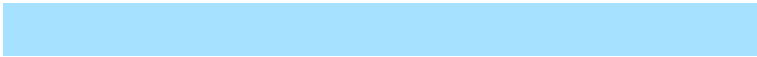


# Inverse Universe

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



73.5946, 0.2676, 0.3012



69.0400, 0.2585, 0.2946



55.3162, 0.2630, 0.2587



19.3852, 0.2980, 0.3208



18.8293, 0.1928, 0.2141



2.0357, 0.1969, 0.2287



# Previews

## White Background



This preview shows how the Yxy color 68.7388, 0.3701, 0.3551 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

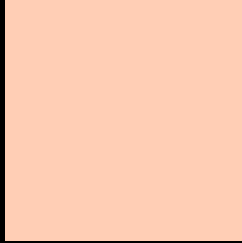
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7388, 0.3701, 0.3551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

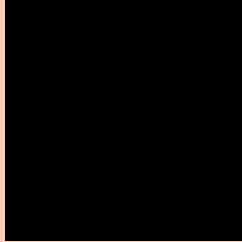
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.7388, 0.3701, 0.3551**

## Background



This preview shows how black text looks on a background with the Yxy color 68.7388, 0.3701, 0.3551.



This preview shows how white text looks on a background with the Yxy color 68.7388, 0.3701, 0.3551.

# 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

68.7388, 0.3701, 0.3551

### Protanopia

68.9878, 0.3419, 0.3623

### Deuteranopia

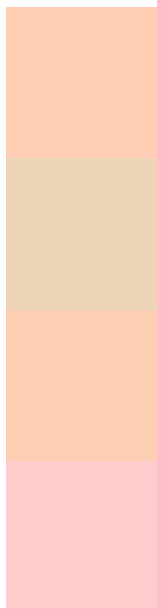
68.7719, 0.3655, 0.3575



## Tritanopia

68.9297, 0.3436, 0.3158

# Trichromacy



## Original Color

68.7388, 0.3701, 0.3551

## Protanomaly

68.5522, 0.3519, 0.3594

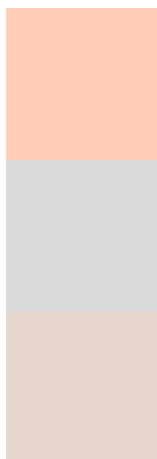
## Deuteranomaly

68.6573, 0.3674, 0.3563

## Tritanomaly

68.7575, 0.3535, 0.3301

# Monochromacy



## Original Color

68.7388, 0.3701, 0.3551

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.4898, 0.3317, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7388, 0.3701, 0.3551 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, 206, 181)` looks like.

```
.text, #text, p{  
  color:rgb(255, 206, 181)  
}
```

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, 206, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7388, 0.3701, 0.3551 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, 206, 181) }
```

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

```
.border{ border-color:rgb(255, 206, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7388, 0.3701, 0.3551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 181) }
```

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

```
.background{ background-color: rgb(255,  
206, 181) }
```

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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