

# Converting Colors

$Y_{xy}(68.2916, 0.3703, 0.3541)$

Have a look what the booklet for  
Yxy(68.2916, 0.3703, 0.3541)  
contains.

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# Color

**Yxy(68.2588, 0.3704, 0.3540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCDB5
RGB	255, 205, 181
RGB Percent	100%, 80%, 71%
CMY	0.0000, 0.1961, 0.2901
CMYK	0.00, 0.20, 0.29, 0.00
HSL	19°, 100%, 85%
HSV	19°, 29%, 100%
XYZ	71.4211, 68.2588, 53.1416
YIQ	217.2140, 37.5040, 3.1360

# Conversions

## Conversions Part 2

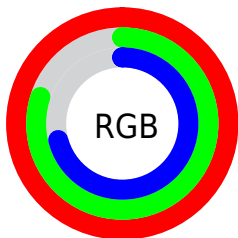
Format	Color
R <sub>Y</sub> B	255, 217, 181
Decimal	16764341
CIE Lab	86.14, 14.33, 18.63
CIE LCh	86, 23.502, 52.435
Yxy	68.2588, 0.3704, 0.3540
Android (android.graphics.Color)	4294954421 (0xFFFFCDB5)
YUV	217.2140, -17.8535, 33.1383
Hunter-Lab	82.6189, 9.7238, 19.6971

# Details

The Yxy color **68.2588, 0.3704, 0.3540** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.2186, 0.2677, 0.3025**, and the grayscale version is **69.6466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **35.5620, 0.3844, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **59.5063, 0.3973, 0.3630**, and if you desaturate by 10%, it is **78.1080, 0.3473, 0.3450**.

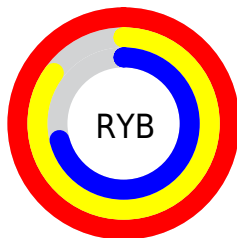
# Distribution



Red (100%)

Green (80%)

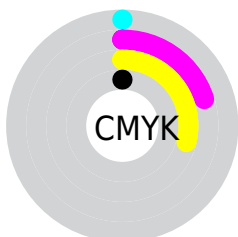
Blue (71%)



Red (100%)

Yellow (85%)

Blue (71%)

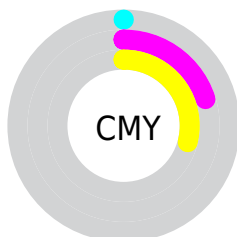


Cyan (0%)

Magenta (20%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2588, 0.3704, 0.3540 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 68.2588, 0.3704, 0.3540 by changing the saturation by 10% instead.



 68.2588, 0.3704,  
0.3540

 68.2588, 0.3704,  
0.3540

454.4124, 0.3432,  
0.3429

 50.1083, 0.3767,  
0.3564


 116.7223, 0.3609,  
0.3503

 35.4995, 0.3846,  
0.3592


147.8041, 0.3572,  
0.3488

 24.0479, 0.3946,  
0.3627


183.9651, 0.3540,  
0.3475

 15.3691, 0.4078,  
0.3669

225.5898, 0.3513,  
0.3464

 9.0789, 0.4259,  
0.3722

273.0624, 0.3489,  
0.3454

 4.7927, 0.4519,  
0.3786

326.7675, 0.3467,

 2.1261, 0.4951,

0.3445

0.3877

387.0893, 0.3449,  
0.3437

0.6793, 0.5967,  
0.4033

0.0000, 0.0000,  
0.0000

68.2588, 0.3704,  
0.3540

68.2588, 0.3704,  
0.3540

59.5063, 0.3973,  
0.3630

78.1080, 0.3473,  
0.3450

51.8160, 0.4281,  
0.3713

89.0969, 0.3277,  
0.3363

45.1438, 0.4624,  
0.3781

100.0000, 0.3127,  
0.3290

39.4443, 0.4986,  
0.3822

■ 34.6682, 0.5343,  
0.3822

■ 30.7609, 0.5662,  
0.3773

■ 27.6565, 0.5913,  
0.3679

■ 27.3876, 0.5935,  
0.3669

# Harmonies

## Analogous

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



68.2588, 0.3626, 0.3301



68.2588, 0.3704, 0.3540



68.2588, 0.3619, 0.3729

# Triad

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



68.2588, 0.3704, 0.3540



68.2588, 0.2843, 0.3521



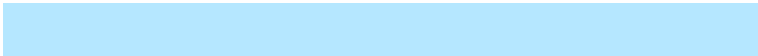
68.2588, 0.2842, 0.2814

# Complementary

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



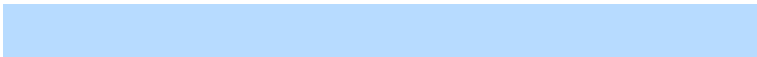
68.2588, 0.3704, 0.3540



74.2186, 0.2677, 0.3025

# 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.



68.2588, 0.2650, 0.2848



68.2588, 0.3704, 0.3540



68.2588, 0.2651, 0.3246

# Square

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



68.2588, 0.3704, 0.3540



68.2588, 0.3116, 0.3733



68.2588, 0.2582, 0.3000



68.2588, 0.3117, 0.2896



# Rectangle

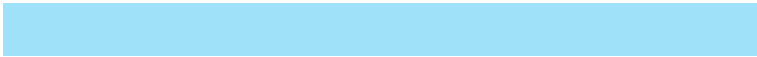
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2588, 0.3704, 0.3540



68.2588, 0.3485, 0.3796



68.2588, 0.2582, 0.3000



68.2588, 0.2766, 0.2812

# Sweetspot

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



68.2570, 0.3704, 0.3540



89.1066, 0.3277, 0.3363



60.1215, 0.3343, 0.2781



18.7148, 0.3304, 0.3376



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.



68.2570, 0.3704, 0.3540



62.8842, 0.3860, 0.3594



87.7679, 0.3602, 0.3895



18.9478, 0.3286, 0.3368



14.5498, 0.5906, 0.3693

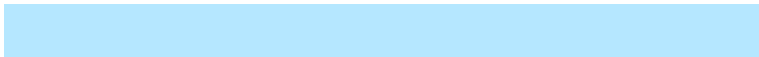


1.6053, 0.5686, 0.3868

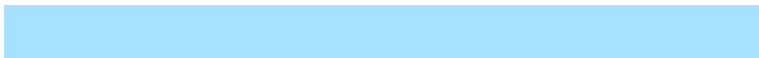


# Inverse Universe

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



74.2186, 0.2677, 0.3025



69.7390, 0.2587, 0.2961



55.8940, 0.2631, 0.2602



19.4310, 0.2980, 0.3211



19.5495, 0.1942, 0.2193



2.1021, 0.1981, 0.2332



# Previews

## White Background



This preview shows how the Yxy color 68.2588, 0.3704, 0.3540 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 68.2588, 0.3704, 0.3540 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 68.2588, 0.3704, 0.3540**

## Background



This preview shows how black text looks on a background with the Yxy color 68.2588, 0.3704, 0.3540.



This preview shows how white text looks on a background with the Yxy color 68.2588, 0.3704, 0.3540.

# 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

68.2588, 0.3704, 0.3540

### Protanopia

68.3148, 0.3413, 0.3613

### Deuteranopia

68.1016, 0.3650, 0.3565



## Tritanopia

68.4589, 0.3438, 0.3148

# Trichromacy



**Original Color**

68.2588, 0.3704, 0.3540

**Protanomaly**

68.0537, 0.3522, 0.3584

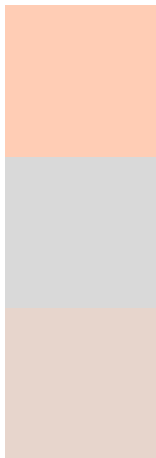
**Deuteranomaly**

67.9880, 0.3669, 0.3554

**Tritanomaly**

68.2837, 0.3537, 0.3291

# Monochromacy



**Original Color**

68.2588, 0.3704, 0.3540

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

68.9371, 0.3325, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2588, 0.3704, 0.3540 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, 205, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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, 205, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2588, 0.3704, 0.3540 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, 205, 181) }
```

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

```
.border{ border-color:rgb(255, 205, 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, 205, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2588, 0.3704, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 181) }
```

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

```
.background{ background-color: rgb(255,  
205, 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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