

# Converting Colors

$Y_{xy}(72.0044, 0.3628, 0.3411)$

Have a look what the booklet for  
Yxy(72.0044, 0.3628, 0.3411)  
contains.

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# Color

**Yxy(70.8921, 0.3570, 0.3415)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD1C5
RGB	255, 209, 197
RGB Percent	100%, 82%, 77%
CMY	0.0001, 0.1803, 0.2275
CMYK	0.00, 0.18, 0.23, 0.00
HSL	12°, 100%, 89%
HSV	12°, 23%, 100%
XYZ	74.1098, 70.8921, 62.5885
YIQ	221.3860, 31.2680, 6.0200

# Conversions

## Conversions Part 2

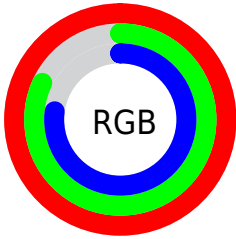
Format	Color
R <sub>Y</sub> B	255, 212, 197
Decimal	16765381
CIE Lab	87.43, 14.37, 12.04
CIE LCh	87, 18.748, 39.950
Yxy	70.8921, 0.3570, 0.3415
Android (android.graphics.Color)	4294955461 (0xFFFFD1C5)
YUV	221.3860, -12.0223, 29.4795
Hunter-Lab	84.1974, 9.7684, 14.8648

# Details

The Yxy color **70.8921, 0.3570, 0.3415** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.1506, 0.2779, 0.3161**, and the grayscale version is **72.6612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **37.1001, 0.3687, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **60.5286, 0.3833, 0.3474**, and if you desaturate by 10%, it is **82.7172, 0.3352, 0.3358**.

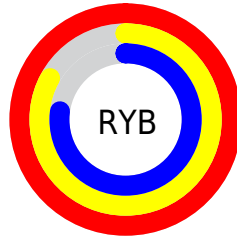
# Distribution



Red (100%)

Green (82%)

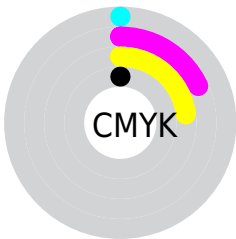
Blue (77%)



Red (100%)

Yellow (83%)

Blue (77%)

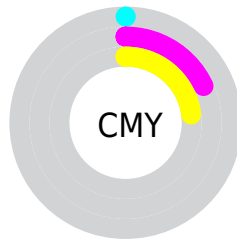


Cyan (0%)

Magenta (18%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8921, 0.3570, 0.3415 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 70.8921, 0.3570, 0.3415 by changing the saturation by 10% instead.



 70.8921, 0.3570,  
0.3415

 70.8921, 0.3570,  
0.3415


463.6762, 0.3362,  
0.3361

 52.2541, 0.3618,  
0.3427


120.4801, 0.3497,  
0.3397

 37.2077, 0.3678,  
0.3440


152.1989, 0.3469,  
0.3390

 25.3683, 0.3754,  
0.3457


189.0468, 0.3445,  
0.3383

 16.3517, 0.3854,  
0.3477

231.4081, 0.3424,  
0.3378

 9.7734, 0.3992,  
0.3503

279.6674, 0.3406,  
0.3373

 5.2489, 0.4193,  
0.3533

334.2088, 0.3390,

 2.3941, 0.4509,

0.3368

0.3567

395.4170, 0.3375,  
0.3364

0.8228, 0.5711,  
0.4024

0.0000, 1.0000,  
0.0000

70.8921, 0.3570,  
0.3415

70.8921, 0.3570,  
0.3415

60.5286, 0.3833,  
0.3474

82.7172, 0.3352,  
0.3358

51.5601, 0.4145,  
0.3530

96.0479, 0.3171,  
0.3304

43.9292, 0.4506,  
0.3580

99.9953, 0.3127,  
0.3290

37.5709, 0.4908,  
0.3613

■ 32.4142, 0.5325,  
0.3620

■ 28.3813, 0.5715,  
0.3592

■ 25.3842, 0.6028,  
0.3527

■ 23.7943, 0.6191,  
0.3466

# Harmonies

## Analogous

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



70.8921, 0.3458, 0.3222



70.8921, 0.3570, 0.3415



70.8921, 0.3557, 0.3585

# Triad

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



70.8921, 0.3570, 0.3415



70.8921, 0.2989, 0.3549



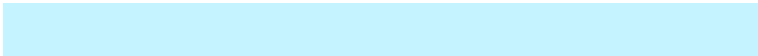
70.8921, 0.2828, 0.2912

# Complementary

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



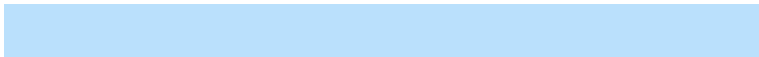
70.8921, 0.3570, 0.3415



83.1506, 0.2779, 0.3161

# 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.



70.8921, 0.2713, 0.2981



70.8921, 0.3570, 0.3415



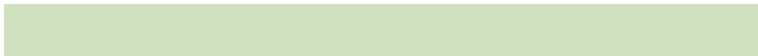
70.8921, 0.2803, 0.3348

# Square

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



70.8921, 0.3570, 0.3415



70.8921, 0.3217, 0.3674



70.8921, 0.2704, 0.3139



70.8921, 0.3025, 0.2938



# Rectangle

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



70.8921, 0.3570, 0.3415



70.8921, 0.3481, 0.3662



70.8921, 0.2704, 0.3139



70.8921, 0.2779, 0.2924

# Sweetspot

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



70.8953, 0.3570, 0.3415



90.2079, 0.3244, 0.3326



67.6730, 0.3237, 0.2829



19.1351, 0.3254, 0.3330



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.



70.8953, 0.3570, 0.3415



66.3242, 0.3676, 0.3440



86.1888, 0.3508, 0.3698



18.5977, 0.3289, 0.3340



12.6059, 0.6166, 0.3486

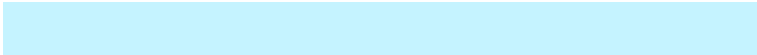


1.3754, 0.5959, 0.3651

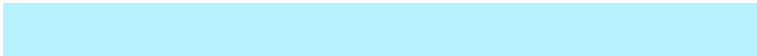


# Inverse Universe

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



83.1506, 0.2779, 0.3161



80.4170, 0.2717, 0.3134



67.3715, 0.2755, 0.2846



19.8035, 0.2980, 0.3239



26.0852, 0.2058, 0.2607



2.6931, 0.2082, 0.2694



# Previews

## White Background



This preview shows how the Yxy color 70.8921, 0.3570, 0.3415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

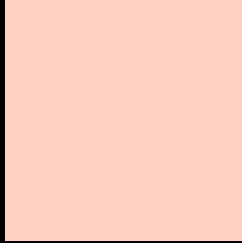
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.8921, 0.3570, 0.3415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

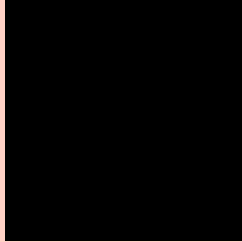
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.8921, 0.3570, 0.3415**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.8921, 0.3570, 0.3415.

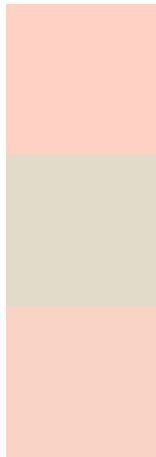


This preview shows how white text looks on a background with the Yxy color 70.8921, 0.3570, 0.3415.

# 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

70.8921, 0.3570, 0.3415

### Protanopia

71.2582, 0.3301, 0.3476

### Deuteranopia

70.7595, 0.3519, 0.3437



## Tritanopia

71.1061, 0.3392, 0.3149

# Trichromacy



## Original Color

70.8921, 0.3570, 0.3415

## Protanomaly

70.7755, 0.3397, 0.3451

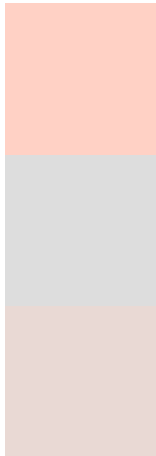
## Deuteranomaly

70.6336, 0.3537, 0.3426

## Tritanomaly

71.1252, 0.3458, 0.3250

# Monochromacy



## Original Color

70.8921, 0.3570, 0.3415

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.7028, 0.3279, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8921, 0.3570, 0.3415 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, 209, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 197)  
}
```

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, 209, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8921, 0.3570, 0.3415 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, 209, 197) }
```

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

```
.border{ border-color:rgb(255, 209, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 209, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 209, 197); box-shadow:4px 4px 4px 4px rgb(255, 209, 197) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.8921, 0.3570, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 197) }
```

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

```
.background{ background-color: rgb(255,  
209, 197) }
```

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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