

# Converting Colors

$Y_{xy}(70.9015, 0.3498, 0.3234)$

Have a look what the booklet for  
Yxy(70.9015, 0.3498, 0.3234)  
contains.

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# Color

**Yxy(70.1561, 0.3462, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCED4
RGB	255, 206, 212
RGB Percent	100%, 81%, 83%
CMY	0.0000, 0.1921, 0.1687
CMYK	0.00, 0.19, 0.17, 0.00
HSL	353°, 100%, 90%
HSV	353°, 19%, 100%
XYZ	75.1952, 70.1561, 71.8503
YIQ	221.3350, 27.2780, 12.2540

# Conversions

## Conversions Part 2

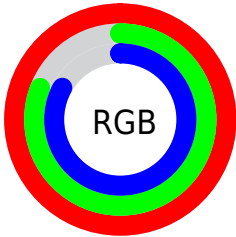
Format	Color
R <sub>Y</sub> B	255, 206, 212
Decimal	16764628
CIE Lab	87.07, 18.16, 3.59
CIE LCh	87, 18.508, 11.188
Yxy	70.1561, 0.3462, 0.3230
Android (android.graphics.Color)	4294954708 (0xFFFFCED4)
YUV	221.3350, -4.6022, 29.5242
Hunter-Lab	83.7592, 13.6704, 7.7714

# Details

The Yxy color **70.1561, 0.3462, 0.3230** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.4837, 0.2869, 0.3351**, and the grayscale version is **72.5720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8966, 0.3550, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **57.8064, 0.3700, 0.3197**, and if you desaturate by 10%, it is **84.6567, 0.3270, 0.3262**.

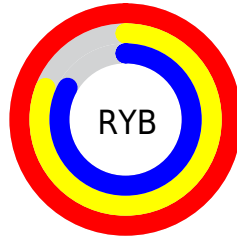
# Distribution



Red (100%)

Green (81%)

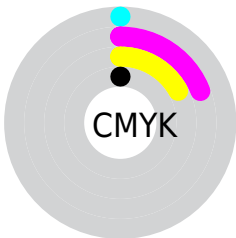
Blue (83%)



Red (100%)

Yellow (81%)

Blue (83%)

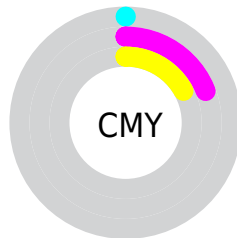


Cyan (0%)

Magenta (19%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1561, 0.3462, 0.3230 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 70.1561, 0.3462, 0.3230 by changing the saturation by 10% instead.




 70.1561, 0.3462,  
0.3230

 70.1561, 0.3462,  
0.3230

461.0979, 0.3305,  
0.3259

 51.6538, 0.3498,  
0.3223


119.4313, 0.3407,  
0.3241

 36.7292, 0.3543,  
0.3214


150.9731, 0.3386,  
0.3245

 24.9979, 0.3601,  
0.3202


187.6301, 0.3368,  
0.3248

 16.0755, 0.3677,  
0.3186

229.7867, 0.3352,  
0.3251

 9.5776, 0.3781,  
0.3164

277.8275, 0.3338,  
0.3253

 5.1198, 0.3935,  
0.3129

332.1366, 0.3326,

 2.3177, 0.4180,

0.3256

0.3070

393.0986, 0.3315,  
0.3258

0.7831, 0.4718,  
0.2987

0.0000, 1.0000,  
0.0000

70.1561, 0.3462,  
0.3230

70.1561, 0.3462,  
0.3230

57.8064, 0.3700,  
0.3197

84.6567, 0.3270,  
0.3262

47.5016, 0.3994,  
0.3164

100.0000, 0.3127,  
0.3290

39.1322, 0.4348,  
0.3136

32.5770, 0.4758,  
0.3117

■ 27.7013, 0.5204,  
0.3113

■ 24.3514, 0.5643,  
0.3132

■ 22.3454, 0.6013,  
0.3174

■ 21.4125, 0.6263,  
0.3229

■ 21.3594, 0.6278,  
0.3232

# Harmonies

## Analogous

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



70.1561, 0.3265, 0.3058



70.1561, 0.3462, 0.3230



70.1561, 0.3568, 0.3422

# Triad

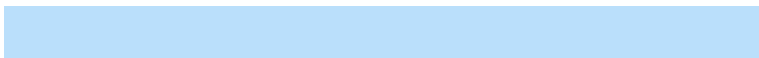
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1561, 0.3462, 0.3230



70.1561, 0.3207, 0.3667



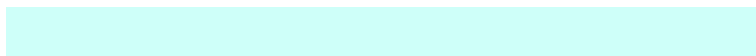
70.1561, 0.2719, 0.2979

# Complementary

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



70.1561, 0.3462, 0.3230



91.4837, 0.2869, 0.3351

# 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.



70.1561, 0.2706, 0.3132



70.1561, 0.3462, 0.3230



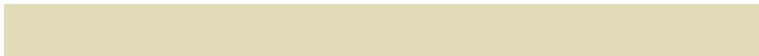
70.1561, 0.2982, 0.3540

# Square

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



70.1561, 0.3462, 0.3230



70.1561, 0.3416, 0.3682



70.1561, 0.2800, 0.3339



70.1561, 0.2838, 0.2914



# Rectangle

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



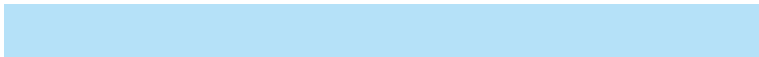
70.1561, 0.3462, 0.3230



70.1561, 0.3570, 0.3539



70.1561, 0.2800, 0.3339



70.1561, 0.2703, 0.3022

# Sweetspot

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



70.1574, 0.3462, 0.3230



89.7884, 0.3217, 0.3272



71.4070, 0.3102, 0.2804



18.9911, 0.3227, 0.3270



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

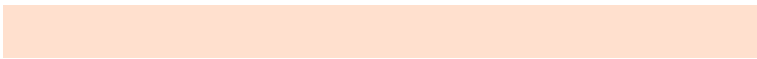
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.1574, 0.3462, 0.3230



65.2336, 0.3546, 0.3217



79.0116, 0.3473, 0.3473



18.0231, 0.3275, 0.3261



11.1719, 0.6252, 0.3218



1.0987, 0.6010, 0.3085



# Inverse Universe

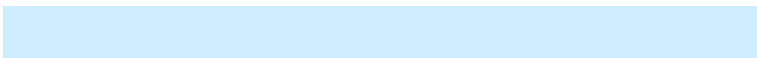
The Inverse Universe completely reimagines the original color for something new.



70.1574, 0.3462, 0.3230



65.2336, 0.3546, 0.3217



80.9313, 0.2827, 0.3100



18.0231, 0.3275, 0.3261



11.1719, 0.6252, 0.3218



1.0987, 0.6010, 0.3085



# Previews

## White Background



This preview shows how the Yxy color 70.1561, 0.3462, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

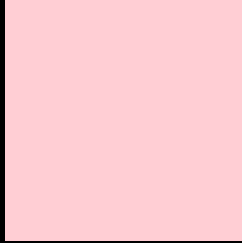
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1561, 0.3462, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

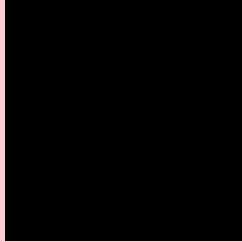
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.1561, 0.3462, 0.3230**

## Background



This preview shows how black text looks on a background with the Yxy color 70.1561, 0.3462, 0.3230.



This preview shows how white text looks on a background with the Yxy color 70.1561, 0.3462, 0.3230.

# 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

70.1561, 0.3462, 0.3230

### Protanopia

70.2173, 0.3157, 0.3279

### Deuteranopia

70.1689, 0.3361, 0.3291



## Tritanopia

70.0900, 0.3403, 0.3139

# Trichromacy



## Original Color

70.1561, 0.3462, 0.3230

## Protanomaly

70.0388, 0.3262, 0.3258

## Deuteranomaly

70.0782, 0.3402, 0.3270

## Tritanomaly

69.9324, 0.3425, 0.3169

# Monochromacy



## Original Color

70.1561, 0.3462, 0.3230

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.4973, 0.3238, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1561, 0.3462, 0.3230 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1561, 0.3462, 0.3230 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, 212) }
```

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

```
.border{ border-color:rgb(255, 206, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1561, 0.3462, 0.3230 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
206, 212) }
```

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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