

# Converting Colors

$Y_{xy}(68.7712, 0.3435, 0.3228)$

Have a look what the booklet for  
Yxy(68.7712, 0.3435, 0.3228)  
contains.

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# Color

**Yxy(68.6898, 0.3432, 0.3229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FACDD3
RGB	250, 205, 211
RGB Percent	98%, 80%, 83%
CMY	0.0197, 0.1960, 0.1726
CMYK	0.00, 0.18, 0.16, 0.02
HSL	352°, 82%, 89%
HSV	352°, 18%, 98%
XYZ	73.0082, 68.6898, 71.0298
YIQ	219.1390, 24.8940, 11.4060

# Conversions

## Conversions Part 2

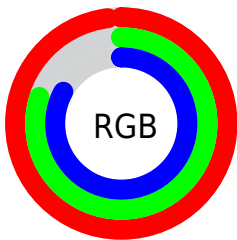
Format	Color
R <sub>Y</sub> B	250, 205, 211
Decimal	16436691
CIE Lab	86.35, 16.75, 3.01
CIE LCh	86, 17.015, 10.188
Yxy	68.6898, 0.3432, 0.3229
Android (android.graphics.Color)	4294626771 (0xFF FACDD3)
YUV	219.1390, -4.0125, 27.0651
Hunter-Lab	82.8793, 12.2014, 7.2024

# Details

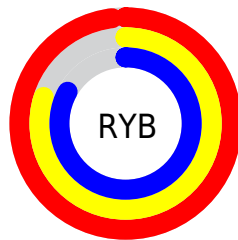
The Yxy color **68.6898, 0.3432, 0.3229** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.8756, 0.2888, 0.3352**, and the grayscale version is **70.9560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9050, 0.3501, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **56.6574, 0.3661, 0.3193**, and if you desaturate by 10%, it is **82.7857, 0.3248, 0.3264**.

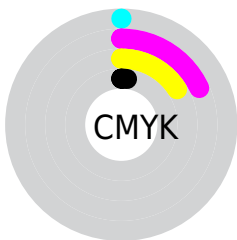
# Distribution



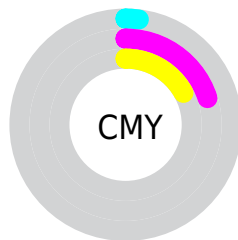
- Red (98%)
- Green (80%)
- Blue (83%)



- Red (98%)
- Yellow (80%)
- Blue (83%)



- Cyan (0%)
- Magenta (18%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (20%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6898, 0.3432, 0.3229 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 68.6898, 0.3432, 0.3229 by changing the saturation by 10% instead.



 68.6898, 0.3432,  
0.3229

 68.6898, 0.3432,  
0.3229


455.9362, 0.3289,  
0.3259

 50.4591, 0.3465,  
0.3222


117.3384, 0.3382,  
0.3240

 35.7783, 0.3507,  
0.3213


148.5251, 0.3363,  
0.3244

 24.2631, 0.3560,  
0.3201


184.7993, 0.3346,  
0.3247

 15.5289, 0.3630,  
0.3185

226.5454, 0.3331,  
0.3250

 9.1914, 0.3726,  
0.3163

274.1477, 0.3319,  
0.3253

 4.8662, 0.3869,  
0.3128


327.9907, 0.3308,


 2.1690, 0.4100,


0.3255


0.3070

388.4587, 0.3298,  
0.3257


 0.7030, 0.4664,  
0.2982


 0.0000, 1.0000,  
0.0000


 68.6898, 0.3432,  
0.3229


 68.6898, 0.3432,  
0.3229


 56.6574, 0.3661,  
0.3193


 82.7857, 0.3248,  
0.3264

 46.5829, 0.3943,  
0.3157

 99.0191, 0.3100,  
0.3296

 38.3652, 0.4284,  
0.3125

 99.0613, 0.3096,  
0.3290

 31.8907, 0.4682,  
0.3102

■ 27.0329, 0.5120,  
0.3095

■ 23.6487, 0.5560,  
0.3111

■ 21.5694, 0.5944,  
0.3152

■ 20.5676, 0.6216,  
0.3211

■ 20.4323, 0.6258,  
0.3221

# Harmonies

## Analogous

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



68.6898, 0.3248, 0.3070



68.6898, 0.3432, 0.3229



68.6898, 0.3533, 0.3407

# Triad

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



68.6898, 0.3432, 0.3229



68.6898, 0.3208, 0.3641



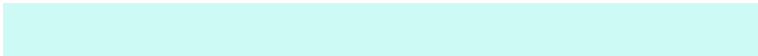
68.6898, 0.2747, 0.3006

# Complementary

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



68.6898, 0.3432, 0.3229



87.8756, 0.2888, 0.3352

# 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.



68.6898, 0.2738, 0.3151



68.6898, 0.3432, 0.3229



68.6898, 0.2999, 0.3526

# Square

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



68.6898, 0.3432, 0.3229



68.6898, 0.3400, 0.3652



68.6898, 0.2829, 0.3342



68.6898, 0.2854, 0.2942



# Rectangle

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



68.6898, 0.3432, 0.3229



68.6898, 0.3538, 0.3516



68.6898, 0.2829, 0.3342



68.6898, 0.2732, 0.3047

# Sweetspot

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



68.6929, 0.3432, 0.3229



91.4414, 0.3200, 0.3274



69.8014, 0.3104, 0.2837



19.3246, 0.3211, 0.3271



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

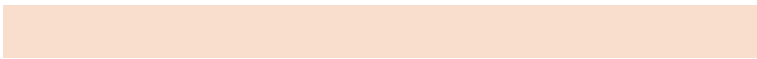
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6929, 0.3432, 0.3229



66.5343, 0.3518, 0.3215



76.7088, 0.3448, 0.3460



17.2627, 0.3273, 0.3259



10.8510, 0.6231, 0.3206



1.0163, 0.5963, 0.3058



# Inverse Universe

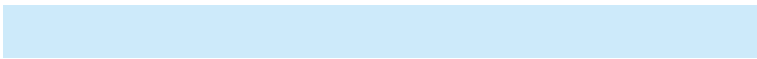
The Inverse Universe completely reimagines the original color for something new.



68.6929, 0.3432, 0.3229



66.5343, 0.3518, 0.3215



78.4412, 0.2846, 0.3113



17.2627, 0.3273, 0.3259



10.8510, 0.6231, 0.3206

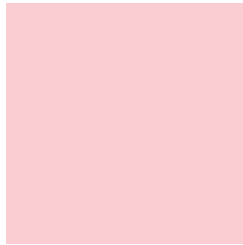


1.0163, 0.5963, 0.3058



# Previews

## White Background



This preview shows how the Yxy color 68.6898, 0.3432, 0.3229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

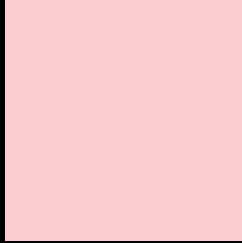
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6898, 0.3432, 0.3229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

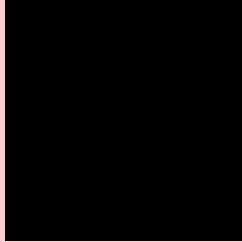
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.6898, 0.3432, 0.3229**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6898, 0.3432, 0.3229.



This preview shows how white text looks on a background with the Yxy color 68.6898, 0.3432, 0.3229.

# 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

68.6898, 0.3432, 0.3229

### Protanopia

68.8263, 0.3150, 0.3268

### Deuteranopia

68.6048, 0.3348, 0.3280



## Tritanopia

68.8094, 0.3381, 0.3137

# Trichromacy



## Original Color

68.6898, 0.3432, 0.3229

## Protanomaly

68.4838, 0.3249, 0.3247

## Deuteranomaly

68.8196, 0.3380, 0.3270

## Tritanomaly

68.6528, 0.3403, 0.3167

# Monochromacy



## Original Color

68.6898, 0.3432, 0.3229

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

69.8740, 0.3231, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6898, 0.3432, 0.3229 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(250, 205, 211)` looks like.

```
.text, #text, p{  
    color:rgb(250, 205, 211)  
}
```

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(250, 205, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 205, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6898, 0.3432, 0.3229 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(250, 205, 211) }
```

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

```
.border{ border-color:rgb(250, 205, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 205, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 205, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 205, 211);  
box-shadow:4px 4px 4px 4px rgb(250, 205,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6898, 0.3432, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 205, 211) }
```

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

```
.background{ background-color: rgb(250,  
205, 211) }
```

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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