

# Converting Colors

$Y_{xy}(71.2506, 0.3484, 0.3097)$

Have a look what the booklet for  
Yxy(71.2506, 0.3484, 0.3097)  
contains.

|   |    |
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# Color

**Yxy(68.7750, 0.3392, 0.3088)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFCADE                     |
| RGB         | 255, 202, 222              |
| RGB Percent | 100%, 79%, 87%             |
| CMY         | 0.0000, 0.2078, 0.1294     |
| CMYK        | 0.00, 0.21, 0.13, 0.00     |
| HSL         | 337°, 100%, 90%            |
| HSV         | 337°, 21%, 100%            |
| XYZ         | 75.5456, 68.7750, 78.3964  |
| YIQ         | 220.1270, 25.1680, 17.4560 |

# Conversions

## Conversions Part 2

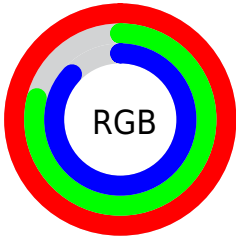
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 255, 202, 222                |
| Decimal                             | 16763614                     |
| CIE Lab                             | 86.39, 21.81, -2.72          |
| CIE LCh                             | 86, 21.977, 352.896          |
| Yxy                                 | 68.7750, 0.3392,<br>0.3088   |
| Android<br>(android.graphics.Color) | 4294953694<br>(0xFFFFCADE)   |
| YUV                                 | 220.1270, 0.9234,<br>30.5836 |
| Hunter-Lab                          | 82.9307, 17.4756,<br>2.0032  |

# Details

The Yxy color **68.7750, 0.3392, 0.3088** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.0761, 0.2920, 0.3502**, and the grayscale version is **71.6448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9756, 0.3457, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **56.9711, 0.3564, 0.2985**, and if you desaturate by 10%, it is **82.6409, 0.3251, 0.3188**.

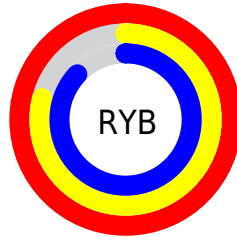
# Distribution



Red (100%)

Green (79%)

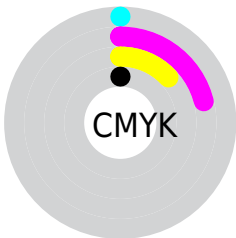
Blue (87%)



Red (100%)

Yellow (79%)

Blue (87%)

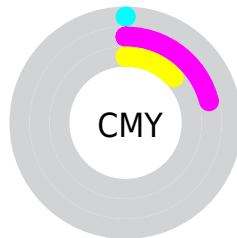


Cyan (0%)

Magenta (21%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (21%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7750, 0.3392, 0.3088 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 68.7750, 0.3392, 0.3088 by changing the saturation by 10% instead.




 68.7750, 0.3392,  
0.3088

 68.7750, 0.3392,  
0.3088


456.2370, 0.3269,  
0.3181

 50.5285, 0.3420,  
0.3067


117.4602, 0.3349,  
0.3120

 35.8335, 0.3456,  
0.3040


148.6676, 0.3332,  
0.3133

 24.3056, 0.3500,  
0.3007


184.9641, 0.3318,  
0.3144

 15.5605, 0.3559,  
0.2963

226.7341, 0.3306,  
0.3153

 9.2137, 0.3640,  
0.2904

274.3620, 0.3295,  
0.3162

 4.8808, 0.3757,  
0.2819

328.2322, 0.3285,

 2.1775, 0.3944,

0.3169

0.2685

388.7291, 0.3276,  
0.3176

0.7077, 0.4302,  
0.2417

0.0000, 1.0000,  
0.0000

68.7750, 0.3392,  
0.3088

68.7750, 0.3392,  
0.3088

56.9711, 0.3564,  
0.2985

82.6409, 0.3251,  
0.3188

47.1229, 0.3770,  
0.2883

98.6543, 0.3135,  
0.3283

39.1253, 0.4015,  
0.2790

100.0000, 0.3127,  
0.3290

32.8603, 0.4297,  
0.2715

■ 28.1961, 0.4609,  
0.2671

■ 24.9818, 0.4936,  
0.2672

■ 23.0370, 0.5253,  
0.2725

■ 22.1080, 0.5519,  
0.2814

# Harmonies

## Analogous

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



68.7750, 0.3122, 0.2923



68.7750, 0.3392, 0.3088



68.7750, 0.3594, 0.3305

# Triad

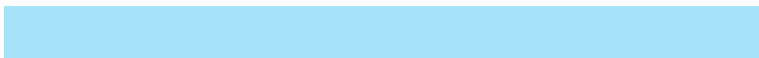
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7750, 0.3392, 0.3088



68.7750, 0.3380, 0.3771



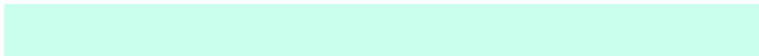
68.7750, 0.2617, 0.3018

# Complementary

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



68.7750, 0.3392, 0.3088



90.0761, 0.2920, 0.3502

# 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.



68.7750, 0.2680, 0.3246



68.7750, 0.3392, 0.3088



68.7750, 0.3114, 0.3699

# Square

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



68.7750, 0.3392, 0.3088



68.7750, 0.3584, 0.3702



68.7750, 0.2859, 0.3502



68.7750, 0.2683, 0.2876



# Rectangle

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



68.7750, 0.3392, 0.3088



68.7750, 0.3658, 0.3456



68.7750, 0.2859, 0.3502



68.7750, 0.2624, 0.3086

# Sweetspot

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



68.7773, 0.3392, 0.3088



90.0251, 0.3193, 0.3234



67.0723, 0.3004, 0.2748



19.0469, 0.3200, 0.3228



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

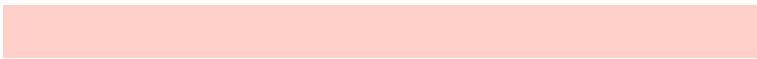
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7773, 0.3392, 0.3088



63.5523, 0.3460, 0.3045



70.7281, 0.3534, 0.3355



18.1004, 0.3235, 0.3201



11.5785, 0.5476, 0.2790



1.1478, 0.5168, 0.2620



# Inverse Universe

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



68.7773, 0.3392, 0.3088



63.5523, 0.3460, 0.3045



87.4158, 0.2812, 0.3224



18.1004, 0.3235, 0.3201



11.5785, 0.5476, 0.2790

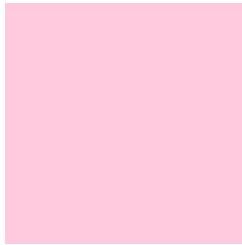


1.1478, 0.5168, 0.2620



# Previews

## White Background



This preview shows how the Yxy color 68.7750, 0.3392, 0.3088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

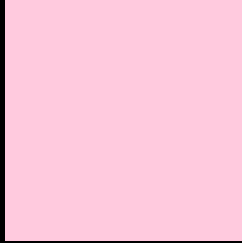
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7750, 0.3392, 0.3088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

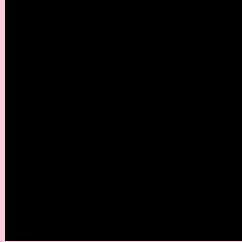
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.7750, 0.3392, 0.3088**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7750, 0.3392, 0.3088.



This preview shows how white text looks on a background with the Yxy color 68.7750, 0.3392, 0.3088.

# 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

68.7750, 0.3392, 0.3088

### Protanopia

68.9130, 0.3035, 0.3126

### Deuteranopia

68.9758, 0.3237, 0.3174



## Tritanopia

69.0338, 0.3421, 0.3138

# Trichromacy



## Original Color

68.7750, 0.3392, 0.3088

## Protanomaly

68.4622, 0.3158, 0.3109

## Deuteranomaly

68.7234, 0.3293, 0.3144

## Tritanomaly

69.0863, 0.3413, 0.3128

# Monochromacy



## Original Color

68.7750, 0.3392, 0.3088

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.1326, 0.3220, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7750, 0.3392, 0.3088 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, 202, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 222)  
}
```

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, 202, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7750, 0.3392, 0.3088 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, 202, 222) }
```

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

```
.border{ border-color:rgb(255, 202, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7750, 0.3392, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 222) }
```

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

```
.background{ background-color: rgb(255,  
202, 222) }
```

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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