

# Converting Colors

$Y_{xy}(91.7885, 0.4144, 0.3196)$

Have a look what the booklet for  
Yxy(91.7885, 0.4144, 0.3196)  
contains.

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# Color

**Yxy(68.9297, 0.3436, 0.3158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCBD8
RGB	255, 203, 216
RGB Percent	100%, 80%, 85%
CMY	0.0000, 0.2039, 0.1528
CMYK	0.00, 0.20, 0.15, 0.00
HSL	345°, 100%, 90%
HSV	345°, 20%, 100%
XYZ	74.9976, 68.9297, 74.3428
YIQ	220.0300, 26.8190, 15.0670

# Conversions

## Conversions Part 2

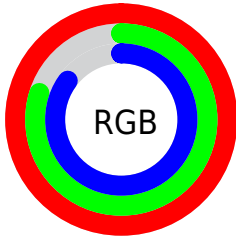
Format	Color
R <sub>Y</sub> B	255, 203, 216
Decimal	16763864
CIE Lab	86.47, 20.36, 0.56
CIE LCh	86, 20.363, 1.573
Yxy	68.9297, 0.3436, 0.3158
Android (android.graphics.Color)	4294953944 (0xFFFFCBD8)
YUV	220.0300, -1.9868, 30.6687
Hunter-Lab	83.0239, 15.9517, 5.0262

# Details

The Yxy color **68.9297, 0.3436, 0.3158** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.6245, 0.2889, 0.3427**, and the grayscale version is **71.5933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.0739, 0.3516, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **56.9292, 0.3643, 0.3089**, and if you desaturate by 10%, it is **83.0273, 0.3268, 0.3225**.

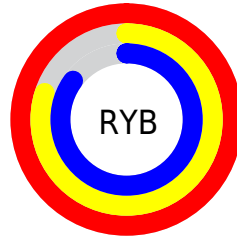
# Distribution



Red (100%)

Green (80%)

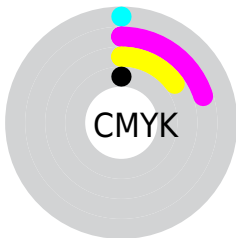
Blue (85%)



Red (100%)

Yellow (80%)

Blue (85%)

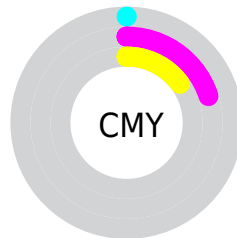


Cyan (0%)

Magenta (20%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9297, 0.3436, 0.3158 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 68.9297, 0.3436, 0.3158 by changing the saturation by 10% instead.




 68.9297, 0.3436,  
0.3158

 68.9297, 0.3436,  
0.3158


456.7830, 0.3291,  
0.3220

 50.6545, 0.3469,  
0.3144


117.6812, 0.3386,  
0.3180

 35.9337, 0.3511,  
0.3126


148.9262, 0.3366,  
0.3188

 24.3830, 0.3564,  
0.3103


185.2632, 0.3349,  
0.3195

 15.6180, 0.3634,  
0.3072

227.0767, 0.3335,  
0.3202

 9.2542, 0.3730,  
0.3031

274.7510, 0.3322,  
0.3207

 4.9074, 0.3872,  
0.2969


328.6706, 0.3311,

 2.1930, 0.4099,


0.3212

0.2869


389.2198, 0.3300,  
0.3216

 0.7162, 0.4566,  
0.2671


 0.0000, 1.0000,  
0.0000

 68.9297, 0.3436,  
0.3158


 68.9297, 0.3436,  
0.3158

 56.9292, 0.3643,  
0.3089


 83.0273, 0.3268,  
0.3225

 46.9230, 0.3895,  
0.3021

99.3136, 0.3132,  
0.3288

 38.8028, 0.4196,  
0.2961

100.0000, 0.3127,  
0.3290

 32.4490, 0.4546,  
0.2915

■ 27.7284, 0.4931,  
0.2896

■ 24.4886, 0.5326,  
0.2915

■ 22.5478, 0.5689,  
0.2975

■ 21.6296, 0.5973,  
0.3064

# Harmonies

## Analogous

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



68.9297, 0.3198, 0.2986



68.9297, 0.3436, 0.3158



68.9297, 0.3592, 0.3367

# Triad

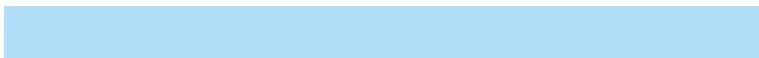
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9297, 0.3436, 0.3158



68.9297, 0.3294, 0.3729



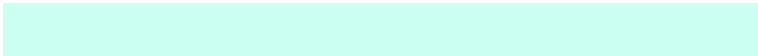
68.9297, 0.2659, 0.2991

# Complementary

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



68.9297, 0.3436, 0.3158



90.6245, 0.2889, 0.3427

# 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.



68.9297, 0.2683, 0.3184



68.9297, 0.3436, 0.3158



68.9297, 0.3043, 0.3625

# Square

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



68.9297, 0.3436, 0.3158



68.9297, 0.3506, 0.3702



68.9297, 0.2821, 0.3420



68.9297, 0.2754, 0.2887



# Rectangle

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



68.9297, 0.3436, 0.3158



68.9297, 0.3625, 0.3504



68.9297, 0.2821, 0.3420



68.9297, 0.2654, 0.3047

# Sweetspot

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



68.9304, 0.3436, 0.3158



89.9072, 0.3205, 0.3253



68.6547, 0.3050, 0.2766



19.0191, 0.3214, 0.3249



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.



68.9304, 0.3436, 0.3158



64.3654, 0.3506, 0.3133



74.2394, 0.3512, 0.3415



18.0618, 0.3255, 0.3231



11.3219, 0.5933, 0.3042



1.1190, 0.5618, 0.2869



# Inverse Universe

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



68.9304, 0.3436, 0.3158



64.3654, 0.3506, 0.3133



83.9372, 0.2813, 0.3161



18.0618, 0.3255, 0.3231



11.3219, 0.5933, 0.3042



1.1190, 0.5618, 0.2869



# Previews

## White Background



This preview shows how the Yxy color 68.9297, 0.3436, 0.3158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

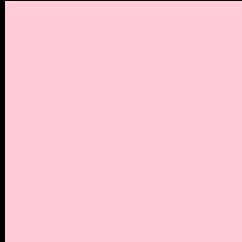
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9297, 0.3436, 0.3158 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 68.9297, 0.3436, 0.3158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.9297, 0.3436, 0.3158.



This preview shows how white text looks on a background with the Yxy color 68.9297, 0.3436, 0.3158.

# 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

68.9297, 0.3436, 0.3158

### Protanopia

69.4995, 0.3102, 0.3213

### Deuteranopia

69.1766, 0.3303, 0.3238



## Tritanopia

69.0338, 0.3421, 0.3138

# Trichromacy



## Original Color

68.9297, 0.3436, 0.3158

## Protanomaly

68.9116, 0.3221, 0.3194

## Deuteranomaly

68.7650, 0.3353, 0.3207

## Tritanomaly

68.9816, 0.3429, 0.3148

# Monochromacy



## Original Color

68.9297, 0.3436, 0.3158

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.5312, 0.3233, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9297, 0.3436, 0.3158 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, 203, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 216)  
}
```

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, 203, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9297, 0.3436, 0.3158 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, 203, 216) }
```

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

```
.border{ border-color:rgb(255, 203, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9297, 0.3436, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 216) }
```

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

```
.background{ background-color: rgb(255,  
203, 216) }
```

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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