

# Converting Colors

$Y_{xy}(111.5767, 0.4457, 0.3161)$

Have a look what the booklet for  
Yxy(111.5767, 0.4457, 0.3161)  
contains.

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# Color

**Yxy(69.8275, 0.3374, 0.3088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCE0
RGB	255, 204, 224
RGB Percent	100%, 80%, 88%
CMY	0.0000, 0.2000, 0.1214
CMYK	0.00, 0.20, 0.12, 0.00
HSL	336°, 100%, 90%
HSV	336°, 20%, 100%
XYZ	76.2947, 69.8275, 80.0031
YIQ	221.5290, 23.9760, 17.0320

# Conversions

## Conversions Part 2

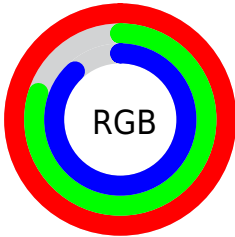
Format	Color
R <sub>Y</sub> B	255, 204, 224
Decimal	16764128
CIE Lab	86.91, 21.09, -3.04
CIE LCh	87, 21.312, 351.804
Yxy	69.8275, 0.3374, 0.3088
Android (android.graphics.Color)	4294954208 (0xFFFFCCE0)
YUV	221.5290, 1.2182, 29.3541
Hunter-Lab	83.5629, 16.7394, 1.7297

# Details

The Yxy color  $69.8275, 0.3374, 0.3088$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $90.3528, 0.2932, 0.3502$ , and the grayscale version is  $72.6769, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.6830, 0.3433, 0.3045$  is the 20% darker color. If you saturate the color by 10%, you get  $57.8804, 0.3539, 0.2981$ , and if you desaturate by 10%, it is  $83.8366, 0.3238, 0.3192$ .

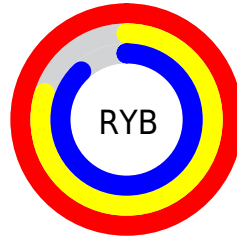
# Distribution



Red (100%)

Green (80%)

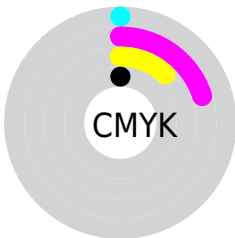
Blue (88%)



Red (100%)

Yellow (80%)

Blue (88%)

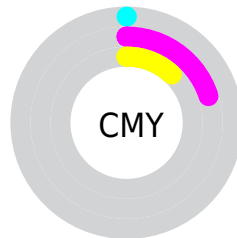


Cyan (0%)

Magenta (20%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8275, 0.3374, 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 69.8275, 0.3374, 0.3088 by changing the saturation by 10% instead.




 69.8275, 0.3374,  
0.3088

 69.8275, 0.3374,  
0.3088


459.9441, 0.3260,  
0.3181

 51.3859, 0.3400,  
0.3067


118.9627, 0.3334,  
0.3120

 36.5158, 0.3433,  
0.3041


150.4252, 0.3319,  
0.3133

 24.8328, 0.3474,  
0.3008


186.9967, 0.3305,  
0.3144

 15.9526, 0.3528,  
0.2965

229.0616, 0.3294,  
0.3153

 9.4906, 0.3602,  
0.2906

277.0045, 0.3284,  
0.3161

 5.0625, 0.3709,  
0.2823


331.2096, 0.3275,

 2.2840, 0.3879,

0.3169

0.2693

392.0613, 0.3267,  
0.3175

 0.7652, 0.4193,  
0.2451


 0.0000, 1.0000,  
0.0000

 69.8275, 0.3374,  
0.3088


 69.8275, 0.3374,  
0.3088

 57.8804, 0.3539,  
0.2981


 83.8366, 0.3238,  
0.3192

 47.8951, 0.3737,  
0.2875

99.9979, 0.3127,  
0.3290

 39.7655, 0.3972,  
0.2776

100.0000, 0.3127,  
0.3290

 33.3748, 0.4242,  
0.2696

■ 28.5927, 0.4543,  
0.2646

■ 25.2702, 0.4859,  
0.2639

■ 23.2300, 0.5171,  
0.2685

■ 22.1839, 0.5456,  
0.2779

# Harmonies

## Analogous

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



69.8275, 0.3113, 0.2931



69.8275, 0.3374, 0.3088



69.8275, 0.3572, 0.3297

# Triad

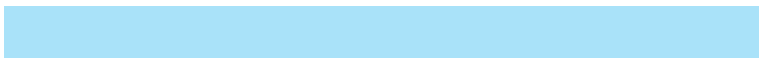
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8275, 0.3374, 0.3088



69.8275, 0.3380, 0.3754



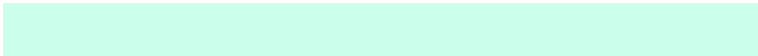
69.8275, 0.2635, 0.3034

# Complementary

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



69.8275, 0.3374, 0.3088



90.3528, 0.2932, 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.



69.8275, 0.2700, 0.3257



69.8275, 0.3374, 0.3088



69.8275, 0.3124, 0.3689

# Square

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



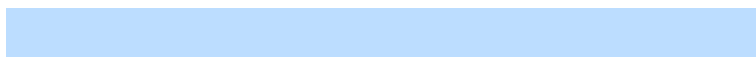
69.8275, 0.3374, 0.3088



69.8275, 0.3573, 0.3683



69.8275, 0.2876, 0.3503



69.8275, 0.2694, 0.2893



# Rectangle

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



69.8275, 0.3374, 0.3088



69.8275, 0.3637, 0.3444



69.8275, 0.2876, 0.3503



69.8275, 0.2643, 0.3102

# Sweetspot

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



69.8280, 0.3374, 0.3088



90.0398, 0.3191, 0.3232



67.9982, 0.3004, 0.2769



19.0504, 0.3199, 0.3225



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.



69.8280, 0.3374, 0.3088



64.8085, 0.3436, 0.3045



71.2681, 0.3517, 0.3343



18.1053, 0.3232, 0.3197



11.6188, 0.5413, 0.2756



1.1520, 0.5109, 0.2588



# Inverse Universe

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



69.8280, 0.3374, 0.3088



64.8085, 0.3436, 0.3045



88.3658, 0.2824, 0.3236



18.1053, 0.3232, 0.3197



11.6188, 0.5413, 0.2756



1.1520, 0.5109, 0.2588



# Previews

## White Background



This preview shows how the Yxy color 69.8275, 0.3374, 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 69.8275, 0.3374, 0.3088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

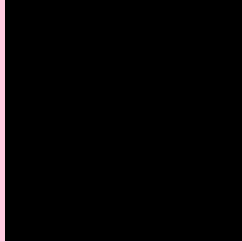
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.8275, 0.3374, 0.3088**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8275, 0.3374, 0.3088.



This preview shows how white text looks on a background with the Yxy color 69.8275, 0.3374, 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

69.8275, 0.3374, 0.3088

### Protanopia

70.3573, 0.3036, 0.3127

### Deuteranopia

69.9208, 0.3237, 0.3164



## Tritanopia

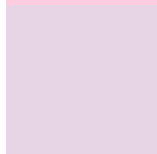
70.0900, 0.3403, 0.3139

# Trichromacy



## Original Color

69.8275, 0.3374, 0.3088



## Protanomaly

69.7330, 0.3150, 0.3110



## Deuteranomaly

69.6726, 0.3293, 0.3135



## Tritanomaly

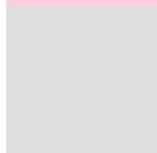
70.1431, 0.3395, 0.3129

# Monochromacy



## Original Color

69.8275, 0.3374, 0.3088



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

71.4210, 0.3211, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8275, 0.3374, 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, 204, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 224)  
}
```

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, 204, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8275, 0.3374, 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, 204, 224) }
```

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

```
.border{ border-color:rgb(255, 204, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8275, 0.3374, 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, 204, 224) }
```

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

```
.background{ background-color: rgb(255,  
204, 224) }
```

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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