

# Converting Colors

$Y_{xy}(80.7321, 0.3592, 0.3208)$

Have a look what the booklet for  
Yxy(80.7321, 0.3592, 0.3208)  
contains.

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# **Color**

**Yxy(74.6808, 0.3368, 0.3200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD6DF
RGB	255, 214, 223
RGB Percent	100%, 84%, 87%
CMY	0.0001, 0.1607, 0.1254
CMYK	0.00, 0.16, 0.13, 0.00
HSL	347°, 100%, 92%
HSV	347°, 16%, 100%
XYZ	78.6015, 74.6808, 80.0952
YIQ	227.2850, 21.5470, 11.4910

# Conversions

## Conversions Part 2

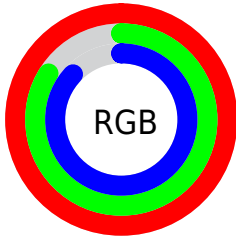
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 214, 223
Decimal	16766687
CIE Lab	89.24, 15.68, 0.91
CIE LCh	89, 15.710, 3.327
Yxy	74.6808, 0.3368, 0.3200
Android (android.graphics.Color)	4294956767 (0xFFFFD6DF)
YUV	227.2850, -2.1125, 24.3061
Hunter-Lab	86.4181, 11.1231, 5.5407

# Details

The Yxy color **74.6808, 0.3368, 0.3200** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92.4570, 0.2931, 0.3382**, and the grayscale version is **77.0394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.6292, 0.3425, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **61.7604, 0.3565, 0.3140**, and if you desaturate by 10%, it is **89.7540, 0.3209, 0.3257**.

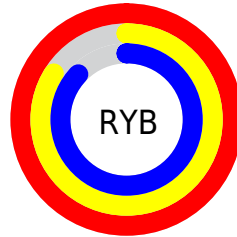
# Distribution



Red (100%)

Green (84%)

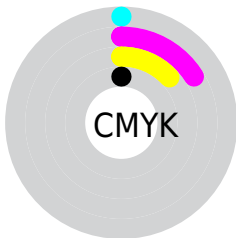
Blue (87%)



Red (100%)

Yellow (84%)

Blue (87%)

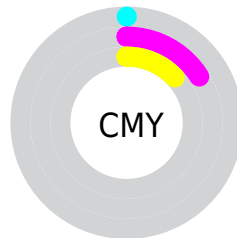


Cyan (0%)

Magenta (16%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6808, 0.3368, 0.3200 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 74.6808, 0.3368, 0.3200 by changing the saturation by 10% instead.




 74.6808, 0.3368,  
0.3200

 74.6808, 0.3368,  
0.3200


476.8197, 0.3257,  
0.3242

 55.3514, 0.3393,  
0.3190

125.8604, 0.3329,  
0.3215

 39.6832, 0.3425,  
0.3178


158.4795, 0.3314,  
0.3220

 27.2916, 0.3464,  
0.3163


196.2972, 0.3302,  
0.3225

 17.7923, 0.3516,  
0.3144

239.6980, 0.3290,  
0.3229

 10.8010, 0.3587,  
0.3116

289.0662, 0.3280,  
0.3233

 5.9332, 0.3689,  
0.3077

344.7863, 0.3272,

 2.8045, 0.3848,

0.3236

0.3015

407.2427, 0.3264,  
0.3239

■ 1.0305, 0.4132,  
0.2902

■ 0.0000, 1.0000,  
0.0000

■ 74.6808, 0.3368,  
0.3200

■ 74.6808, 0.3368,  
0.3200

■ 61.7604, 0.3565,  
0.3140

■ 89.7540, 0.3209,  
0.3257

■ 50.8848, 0.3807,  
0.3080

99.9960, 0.3127,  
0.3290

■ 41.9516, 0.4100,  
0.3023

■ 34.8456, 0.4446,  
0.2978

■ 29.4393, 0.4835,  
0.2952

■ 25.5887, 0.5245,  
0.2957

■ 23.1257, 0.5636,  
0.3000

■ 21.8424, 0.5959,  
0.3080

■ 21.5420, 0.6063,  
0.3114

# Harmonies

## Analogous

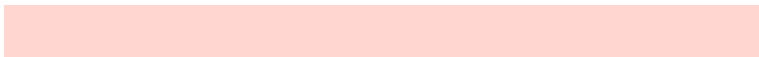
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6808, 0.3192, 0.3065



74.6808, 0.3368, 0.3200



74.6808, 0.3479, 0.3360

# Triad

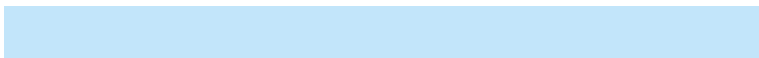
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6808, 0.3368, 0.3200



74.6808, 0.3243, 0.3615



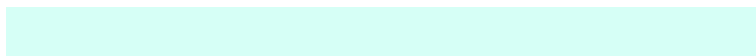
74.6808, 0.2775, 0.3060

# Complementary

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



74.6808, 0.3368, 0.3200



92.4570, 0.2931, 0.3382

# 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.



74.6808, 0.2788, 0.3203



74.6808, 0.3368, 0.3200



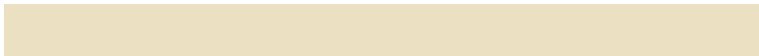
74.6808, 0.3054, 0.3531

# Square

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



74.6808, 0.3368, 0.3200



74.6808, 0.3405, 0.3604



74.6808, 0.2889, 0.3378



74.6808, 0.2852, 0.2983



# Rectangle

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



74.6808, 0.3368, 0.3200



74.6808, 0.3499, 0.3463



74.6808, 0.2889, 0.3378



74.6808, 0.2769, 0.3101

# Sweetspot

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



74.6841, 0.3368, 0.3200



91.5090, 0.3193, 0.3263



74.8063, 0.3079, 0.2882



19.3410, 0.3203, 0.3259



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

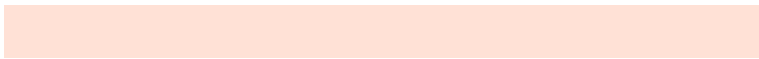
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6841, 0.3368, 0.3200



70.6880, 0.3422, 0.3183



79.9281, 0.3416, 0.3401



18.0524, 0.3260, 0.3238



11.2762, 0.6026, 0.3093



1.1134, 0.5720, 0.2925



# Inverse Universe

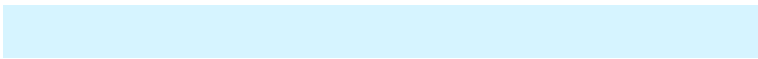
The Inverse Universe completely reimagines the original color for something new.



74.6841, 0.3368, 0.3200



70.6880, 0.3422, 0.3183



86.2510, 0.2878, 0.3177



18.0524, 0.3260, 0.3238



11.2762, 0.6026, 0.3093

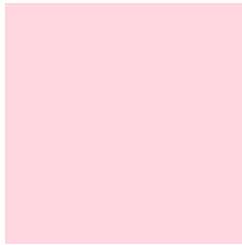


1.1134, 0.5720, 0.2925



# Previews

## White Background



This preview shows how the Yxy color 74.6808, 0.3368, 0.3200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

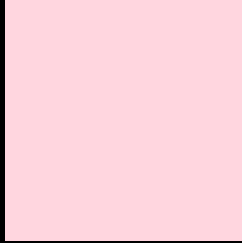
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6808, 0.3368, 0.3200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

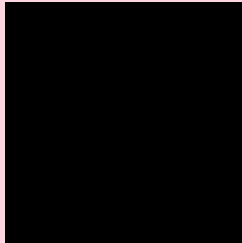
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.6808, 0.3368, 0.3200**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6808, 0.3368, 0.3200.

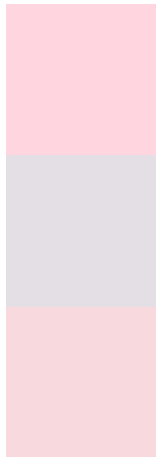


This preview shows how white text looks on a background with the Yxy color 74.6808, 0.3368, 0.3200.

# 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

74.6808, 0.3368, 0.3200

### Protanopia

74.7077, 0.3123, 0.3237

### Deuteranopia

74.6738, 0.3312, 0.3239



## Tritanopia

74.5056, 0.3326, 0.3130

# Trichromacy



## Original Color

74.6808, 0.3368, 0.3200

## Protanomaly

74.6819, 0.3209, 0.3228

## Deuteranomaly

74.7097, 0.3336, 0.3229

## Tritanomaly

74.3946, 0.3341, 0.3150

# Monochromacy



## Original Color

74.6808, 0.3368, 0.3200

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

75.7381, 0.3207, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6808, 0.3368, 0.3200 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, 214, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 223)  
}
```

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, 214, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6808, 0.3368, 0.3200 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, 214, 223) }
```

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

```
.border{ border-color:rgb(255, 214, 223) }
```

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

Here you see how a box with a 4 pixel rgb(255, 214, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6808, 0.3368, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 223) }
```

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

```
.background{ background-color: rgb(255,  
214, 223) }
```

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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