

# Converting Colors

$Y_{xy}(73.8729, 0.3322, 0.3109)$

Have a look what the booklet for  
Yxy(73.8729, 0.3322, 0.3109)  
contains.

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# Color

**Yxy(74.0601, 0.3320, 0.3110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4E6
RGB	255, 212, 230
RGB Percent	100%, 83%, 90%
CMY	0.0001, 0.1686, 0.0979
CMYK	0.00, 0.17, 0.10, 0.00
HSL	335°, 100%, 92%
HSV	335°, 17%, 100%
XYZ	79.0609, 74.0601, 85.0143
YIQ	226.9090, 19.8500, 14.7140

# Conversions

## Conversions Part 2

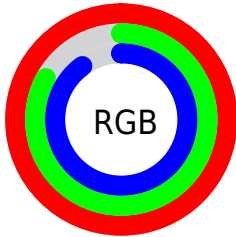
Format	Color
R <sub>Y</sub> B	255, 212, 230
Decimal	16766182
CIE Lab	88.95, 17.86, -3.22
CIE LCh	89, 18.144, 349.792
Yxy	74.0601, 0.3320, 0.3110
Android (android.graphics.Color)	4294956262 (0xFFFFD4E6)
YUV	226.9090, 1.5239, 24.6358
Hunter-Lab	86.0582, 13.3847, 1.6699

# Details

The Yxy color **74.0601, 0.3320, 0.3110** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.6104, 0.2968, 0.3477**, and the grayscale version is **76.7255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.2149, 0.3362, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **61.5087, 0.3468, 0.2997**, and if you desaturate by 10%, it is **88.7015, 0.3198, 0.3219**.

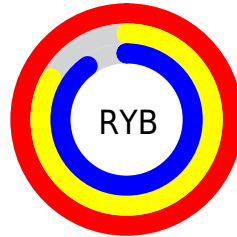
# Distribution



Red (100%)

Green (83%)

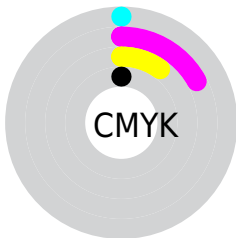
Blue (90%)



Red (100%)

Yellow (83%)

Blue (90%)

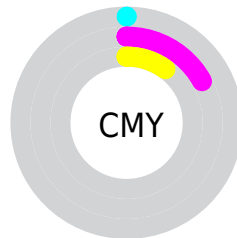


Cyan (0%)

Magenta (17%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0601, 0.3320, 0.3110 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 74.0601, 0.3320, 0.3110 by changing the saturation by 10% instead.




 74.0601, 0.3320,  
0.3110

 74.0601, 0.3320,  
0.3110

474.6808, 0.3232,  
0.3192

 54.8432, 0.3340,  
0.3092


124.9810, 0.3289,  
0.3138

 39.2762, 0.3365,  
0.3069


157.4538, 0.3278,  
0.3149

 26.9747, 0.3396,  
0.3040


195.1141, 0.3267,  
0.3159

 17.5542, 0.3436,  
0.3003

238.3462, 0.3258,  
0.3167

 10.6304, 0.3491,  
0.2954

287.5345, 0.3250,  
0.3175

 5.8189, 0.3570,  
0.2883

343.0634, 0.3243,

 2.7353, 0.3692,

0.3181

0.2776

405.3174, 0.3237,  
0.3187

0.9951, 0.3905,  
0.2592

0.0000, 0.7680,  
0.0000

74.0601, 0.3320,  
0.3110

74.0601, 0.3320,  
0.3110

61.5087, 0.3468,  
0.2997

88.7015, 0.3198,  
0.3219

50.9414, 0.3647,  
0.2882

99.9940, 0.3127,  
0.3290

42.2580, 0.3859,  
0.2774

35.3455, 0.4105,  
0.2680

■ 30.0785, 0.4381,  
0.2613

■ 26.3152, 0.4678,  
0.2585

■ 23.8891, 0.4978,  
0.2609

■ 22.5900, 0.5261,  
0.2687

■ 22.3146, 0.5346,  
0.2718

# Harmonies

## Analogous

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



74.0601, 0.3102, 0.2981



74.0601, 0.3320, 0.3110



74.0601, 0.3490, 0.3285

# Triad

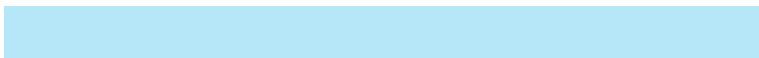
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.0601, 0.3320, 0.3110



74.0601, 0.3353, 0.3675



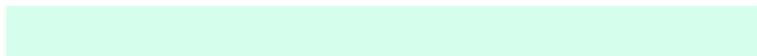
74.0601, 0.2714, 0.3089

# Complementary

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



74.0601, 0.3320, 0.3110



91.6104, 0.2968, 0.3477

# 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.



74.0601, 0.2776, 0.3278



74.0601, 0.3320, 0.3110



74.0601, 0.3141, 0.3628

# Square

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



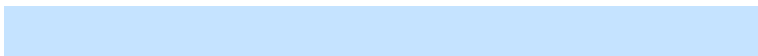
74.0601, 0.3320, 0.3110



74.0601, 0.3507, 0.3613



74.0601, 0.2931, 0.3479



74.0601, 0.2757, 0.2964

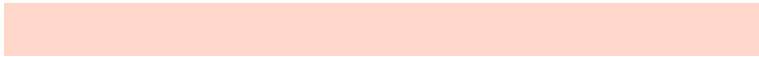


# Rectangle

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



74.0601, 0.3320, 0.3110



74.0601, 0.3549, 0.3409



74.0601, 0.2931, 0.3479



74.0601, 0.2723, 0.3147

# Sweetspot

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



74.0634, 0.3320, 0.3110



91.6656, 0.3178, 0.3239



72.2061, 0.3016, 0.2854



19.3789, 0.3185, 0.3231



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.



74.0634, 0.3320, 0.3110



69.9035, 0.3364, 0.3075



74.5472, 0.3446, 0.3320



18.1135, 0.3228, 0.3191



11.6914, 0.5304, 0.2695



1.1596, 0.5010, 0.2534



# Inverse Universe

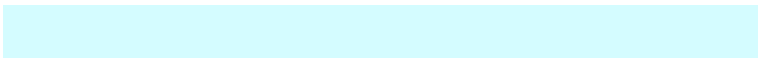
The Inverse Universe completely reimagines the original color for something new.



74.0634, 0.3320, 0.3110



69.9035, 0.3364, 0.3075



90.9037, 0.2870, 0.3260



18.1135, 0.3228, 0.3191



11.6914, 0.5304, 0.2695

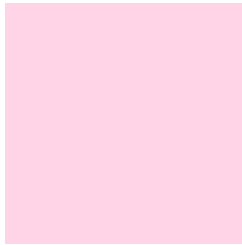


1.1596, 0.5010, 0.2534



# Previews

## White Background



This preview shows how the Yxy color 74.0601, 0.3320, 0.3110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

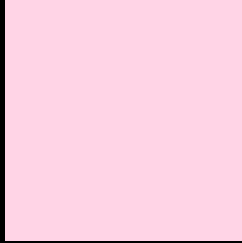
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0601, 0.3320, 0.3110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

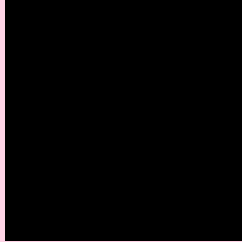
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.0601, 0.3320, 0.3110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0601, 0.3320, 0.3110.

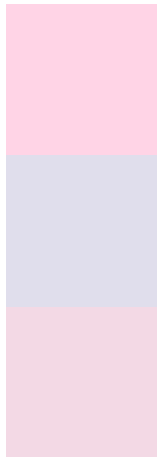


This preview shows how white text looks on a background with the Yxy color 74.0601, 0.3320, 0.3110.

# 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

74.0601, 0.3320, 0.3110

### Protanopia

74.1460, 0.3051, 0.3141

### Deuteranopia

74.3375, 0.3234, 0.3167



## Tritanopia

74.0041, 0.3328, 0.3120

# Trichromacy



## Original Color

74.0601, 0.3320, 0.3110

## Protanomaly

73.7455, 0.3142, 0.3124

## Deuteranomaly

74.0322, 0.3265, 0.3148

## Tritanomaly

74.0041, 0.3328, 0.3120

# Monochromacy



## Original Color

74.0601, 0.3320, 0.3110

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

75.8485, 0.3194, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0601, 0.3320, 0.3110 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, 212, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 230)  
}
```

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, 212, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0601, 0.3320, 0.3110 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, 212, 230) }
```

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

```
.border{ border-color:rgb(255, 212, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0601, 0.3320, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 230) }
```

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

```
.background{ background-color: rgb(255,  
212, 230) }
```

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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