

# Converting Colors

$Y_{xy}(124.9257, 0.4525, 0.3187)$

Have a look what the booklet for  
Yxy(124.9257, 0.4525, 0.3187)  
contains.

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# **Color**

**Yxy(74.5617, 0.3319, 0.3120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5E6
RGB	255, 213, 230
RGB Percent	100%, 84%, 90%
CMY	0.0001, 0.1647, 0.0979
CMYK	0.00, 0.16, 0.10, 0.00
HSL	336°, 100%, 92%
HSV	336°, 16%, 100%
XYZ	79.3174, 74.5617, 85.1007
YIQ	227.4960, 19.5750, 14.1910

# Conversions

## Conversions Part 2

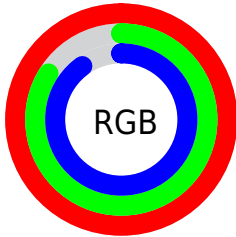
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 213, 230
Decimal	16766438
CIE <sub>Lab</sub>	89.19, 17.35, -2.87
CIE <sub>LCh</sub>	89, 17.581, 350.605
Yxy	74.5617, 0.3319, 0.3120
Android (android.graphics.Color)	4294956518 (0xFFFFD5E6)
YUV	227.4960, 1.2345, 24.1210
Hunter-Lab	86.3491, 12.8531, 2.0116

# Details

The Yxy color  $74.5617, 0.3319, 0.3120$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $91.8295, 0.2968, 0.3467$ , and the grayscale version is  $77.1786, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.5546, 0.3360, 0.3073$  is the 20% darker color. If you saturate the color by 10%, you get  $61.9147, 0.3470, 0.3010$ , and if you desaturate by 10%, it is  $89.3060, 0.3195, 0.3225$ .

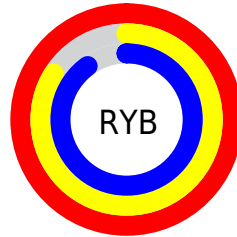
# Distribution



Red (100%)

Green (84%)

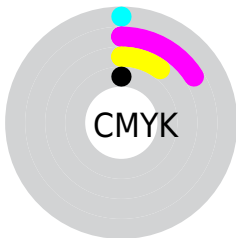
Blue (90%)



Red (100%)

Yellow (84%)

Blue (90%)

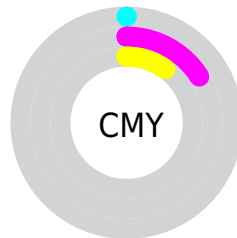


Cyan (0%)

Magenta (16%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5617, 0.3319, 0.3120 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 74.5617, 0.3319, 0.3120 by changing the saturation by 10% instead.



 74.5617, 0.3319,  
0.3120

 74.5617, 0.3319,  
0.3120

476.4097, 0.3231,  
0.3198

 55.2539, 0.3339,  
0.3103

125.6917, 0.3289,  
0.3147

 39.6050, 0.3363,  
0.3081


158.2828, 0.3277,  
0.3157

 27.2307, 0.3394,  
0.3054


196.0703, 0.3267,  
0.3166

 17.7466, 0.3435,  
0.3019

239.4388, 0.3258,  
0.3174

 10.7682, 0.3489,  
0.2972

288.7725, 0.3250,  
0.3181

 5.9112, 0.3567,  
0.2906

344.4560, 0.3243,

 2.7912, 0.3688,

0.3187

0.2804

406.8736, 0.3237,  
0.3193

■ 1.0237, 0.3900,  
0.2630

■ 0.0000, 0.7669,  
0.0000

■ 74.5617, 0.3319,  
0.3120

■ 74.5617, 0.3319,  
0.3120

■ 61.9147, 0.3470,  
0.3010

■ 89.3060, 0.3195,  
0.3225

■ 51.2591, 0.3652,  
0.2900

99.9976, 0.3127,  
0.3290

■ 42.4950, 0.3868,  
0.2794

■ 35.5095, 0.4120,  
0.2703

■ 30.1777, 0.4403,  
0.2638

■ 26.3581, 0.4708,  
0.2612

■ 23.8855, 0.5017,  
0.2636

■ 22.5531, 0.5306,  
0.2715

■ 22.2457, 0.5403,  
0.2750

# Harmonies

## Analogous

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



74.5617, 0.3108, 0.2993



74.5617, 0.3319, 0.3120



74.5617, 0.3481, 0.3291

# Triad

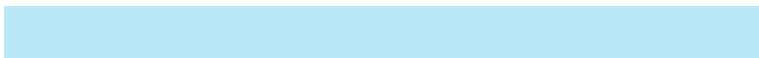
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.5617, 0.3319, 0.3120



74.5617, 0.3340, 0.3662



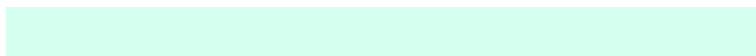
74.5617, 0.2727, 0.3092

# Complementary

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



74.5617, 0.3319, 0.3120



91.8295, 0.2968, 0.3467

# 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.



74.5617, 0.2785, 0.3274



74.5617, 0.3319, 0.3120



74.5617, 0.3135, 0.3613

# Square

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



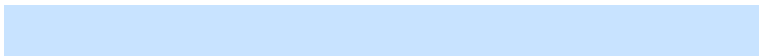
74.5617, 0.3319, 0.3120



74.5617, 0.3492, 0.3605



74.5617, 0.2932, 0.3468



74.5617, 0.2772, 0.2972



# Rectangle

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



74.5617, 0.3319, 0.3120



74.5617, 0.3536, 0.3410



74.5617, 0.2932, 0.3468



74.5617, 0.2735, 0.3147

# Sweetspot

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



74.5650, 0.3319, 0.3120



91.6547, 0.3179, 0.3240



72.9013, 0.3024, 0.2865



19.3763, 0.3187, 0.3233



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.



74.5650, 0.3319, 0.3120



69.8650, 0.3369, 0.3082



75.4333, 0.3437, 0.3326



18.1092, 0.3230, 0.3194



11.6529, 0.5361, 0.2727



1.1556, 0.5062, 0.2562



# Inverse Universe

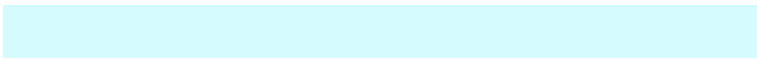
The Inverse Universe completely reimagines the original color for something new.



74.5650, 0.3319, 0.3120



69.8650, 0.3369, 0.3082



90.6666, 0.2876, 0.3253



18.1092, 0.3230, 0.3194



11.6529, 0.5361, 0.2727

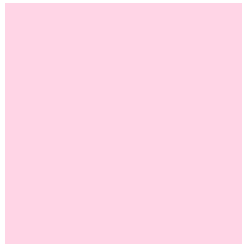


1.1556, 0.5062, 0.2562



# Previews

## White Background



This preview shows how the Yxy color 74.5617, 0.3319, 0.3120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

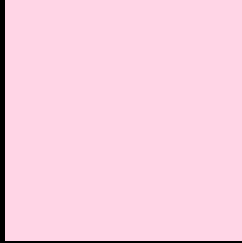
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5617, 0.3319, 0.3120 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 74.5617, 0.3319, 0.3120**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5617, 0.3319, 0.3120.



This preview shows how white text looks on a background with the Yxy color 74.5617, 0.3319, 0.3120.

# 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

74.5617, 0.3319, 0.3120

### Protanopia

74.8390, 0.3057, 0.3153

### Deuteranopia

74.5159, 0.3242, 0.3167



## Tritanopia

74.5617, 0.3319, 0.3120

# Trichromacy



## Original Color

74.5617, 0.3319, 0.3120

## Protanomaly

74.4364, 0.3149, 0.3134

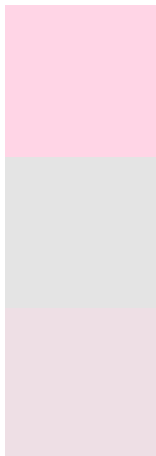
## Deuteranomaly

74.7253, 0.3272, 0.3158

## Tritanomaly

74.5617, 0.3319, 0.3120

# Monochromacy



## Original Color

74.5617, 0.3319, 0.3120

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.6096, 0.3194, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5617, 0.3319, 0.3120 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, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 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, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5617, 0.3319, 0.3120 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, 213, 230) }
```

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

```
.border{ border-color:rgb(255, 213, 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, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5617, 0.3319, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 230) }
```

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

```
.background{ background-color: rgb(255,  
213, 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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