

# Converting Colors

$Y_{xy}(74.7577, 0.3216, 0.2962)$

Have a look what the booklet for  
Yxy(74.7577, 0.3216, 0.2962)  
contains.

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# Color

**Yxy(74.9395, 0.3215, 0.2965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4F5
RGB	255, 212, 245
RGB Percent	100%, 83%, 96%
CMY	0.0000, 0.1686, 0.0393
CMYK	0.00, 0.17, 0.04, 0.00
HSL	314°, 100%, 92%
HSV	314°, 17%, 100%
XYZ	81.2582, 74.9395, 96.5494
YIQ	228.6190, 15.0350, 19.3790

# Conversions

## Conversions Part 2

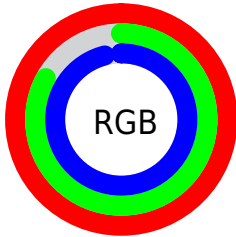
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 212, 245
Decimal	16766197
CIE Lab	89.36, 20.39, -10.48
CIE LCh	89, 22.925, 332.796
Yxy	74.9395, 0.3215, 0.2965
Android (android.graphics.Color)	4294956277 (0xFFFFD4F5)
YUV	228.6190, 8.0758, 23.1361
Hunter-Lab	86.5676, 16.0588, -5.5292

# Details

The Yxy color **74.9395, 0.3215, 0.2965** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.7863, 0.3050, 0.3638**, and the grayscale version is **77.9922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.7938, 0.3231, 0.2888** is the 20% darker color. If you saturate the color by 10%, you get **62.8272, 0.3278, 0.2765**, and if you desaturate by 10%, it is **89.0831, 0.3160, 0.3161**.

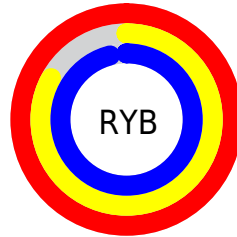
# Distribution



Red (100%)

Green (83%)

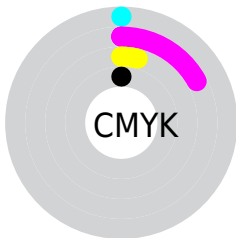
Blue (96%)



Red (100%)

Yellow (83%)

Blue (96%)

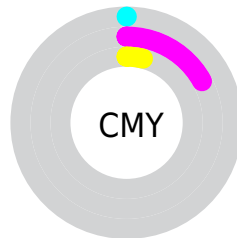


Cyan (0%)

Magenta (17%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9395, 0.3215, 0.2965 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 74.9395, 0.3215, 0.2965 by changing the saturation by 10% instead.




 74.9395, 0.3215,  
0.2965

 74.9395, 0.3215,  
0.2965


477.7096, 0.3176,  
0.3111

 55.5633, 0.3223,  
0.2933

126.2267, 0.3202,  
0.3015

 39.8529, 0.3233,  
0.2894


158.9066, 0.3197,  
0.3034

 27.4239, 0.3246,  
0.2845


196.7897, 0.3192,  
0.3051

 17.8918, 0.3261,  
0.2783

240.2606, 0.3188,  
0.3066

 10.8724, 0.3282,  
0.2700

289.7037, 0.3185,  
0.3079

 5.9811, 0.3309,  
0.2586

345.5033, 0.3182,

 2.8336, 0.3348,

0.3091

0.2417

408.0438, 0.3179,  
0.3101

1.0455, 0.3405,  
0.2145

0.0000, 0.3964,  
0.0000

74.9395, 0.3215,  
0.2965

74.9395, 0.3215,  
0.2965

62.8272, 0.3278,  
0.2765

89.0831, 0.3160,  
0.3161

52.6420, 0.3351,  
0.2567

99.9976, 0.3127,  
0.3290

44.2853, 0.3431,  
0.2379

37.6458, 0.3519,  
0.2212

■ 32.6001, 0.3612,  
0.2075

■ 29.0082, 0.3707,  
0.1978

■ 26.7056, 0.3800,  
0.1929

■ 25.4843, 0.3891,  
0.1927

■ 25.2247, 0.3919,  
0.1932

# Harmonies

## Analogous

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



74.9395, 0.2941, 0.2854



74.9395, 0.3215, 0.2965



74.9395, 0.3475, 0.3154

# Triad

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



74.9395, 0.3215, 0.2965



74.9395, 0.3533, 0.3745



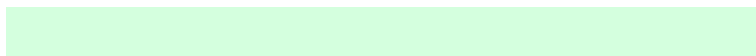
74.9395, 0.2639, 0.3162

# Complementary

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



74.9395, 0.3215, 0.2965



90.7863, 0.3050, 0.3638

# 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.



74.9395, 0.2784, 0.3421



74.9395, 0.3215, 0.2965



74.9395, 0.3297, 0.3770

# Square

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



74.9395, 0.3215, 0.2965



74.9395, 0.3662, 0.3598



74.9395, 0.3023, 0.3651



74.9395, 0.2618, 0.2955



# Rectangle

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



74.9395, 0.3215, 0.2965



74.9395, 0.3600, 0.3304



74.9395, 0.3023, 0.3651



74.9395, 0.2675, 0.3246

# Sweetspot

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



74.9428, 0.3215, 0.2965



91.9434, 0.3151, 0.3196



69.7364, 0.2912, 0.2840



19.4465, 0.3154, 0.3183



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.



74.9428, 0.3215, 0.2965



70.9241, 0.3234, 0.2902



73.7437, 0.3362, 0.3168



18.2237, 0.3174, 0.3109



13.2061, 0.3905, 0.1925



1.3025, 0.3808, 0.1872



# Inverse Universe

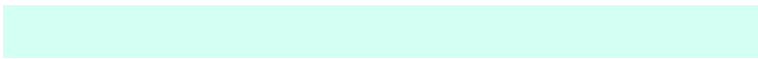
The Inverse Universe completely reimagines the original color for something new.



74.9428, 0.3215, 0.2965



70.9241, 0.3234, 0.2902



91.9708, 0.2936, 0.3416



18.2237, 0.3174, 0.3109



13.2061, 0.3905, 0.1925



1.3025, 0.3808, 0.1872



# Previews

## White Background



This preview shows how the Yxy color 74.9395, 0.3215, 0.2965 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

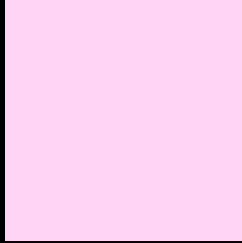
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9395, 0.3215, 0.2965 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

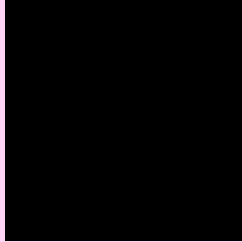
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.9395, 0.3215, 0.2965**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9395, 0.3215, 0.2965.



This preview shows how white text looks on a background with the Yxy color 74.9395, 0.3215, 0.2965.

# 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

74.9395, 0.3215, 0.2965

### Protanopia

75.1758, 0.2932, 0.2987

### Deuteranopia

74.8516, 0.3097, 0.3024



## Tritanopia

74.7453, 0.3296, 0.3120

# Trichromacy



## Original Color

74.9395, 0.3215, 0.2965

## Protanomaly

74.8262, 0.3030, 0.2982

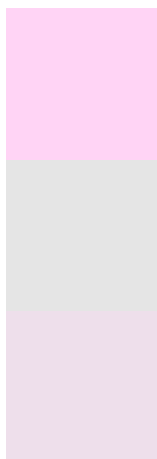
## Deuteranomaly

74.8765, 0.3140, 0.3007

## Tritanomaly

74.7155, 0.3270, 0.3061

# Monochromacy



## Original Color

74.9395, 0.3215, 0.2965

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

76.9507, 0.3154, 0.3167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9395, 0.3215, 0.2965 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9395, 0.3215, 0.2965 is called "border". The border property can be set on classes, ids or directly on the HTML element.

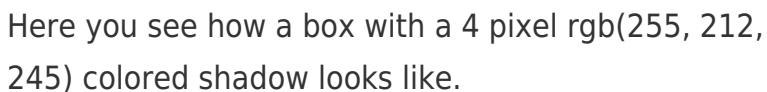
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 212, 245) }
```

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

```
.border{ border-color:rgb(255, 212, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9395, 0.3215, 0.2965 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, 245) }
```

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

```
.background{ background-color: rgb(255,  
212, 245) }
```

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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