

# Converting Colors

$Y_{xy}(74.9038, 0.3088, 0.2871)$

Have a look what the booklet for  
Yxy(74.9038, 0.3088, 0.2871)  
contains.

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# Color

**Yxy(74.5827, 0.3090, 0.2873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7D5FF
RGB	247, 213, 255
RGB Percent	97%, 84%, 100%
CMY	0.0312, 0.1648, 0.0000
CMYK	0.03, 0.16, 0.00, 0.00
HSL	289°, 100%, 92%
HSV	289°, 16%, 100%
XYZ	80.2160, 74.5827, 104.8000
YIQ	227.9540, 6.7820, 20.2700

# Conversions

## Conversions Part 2

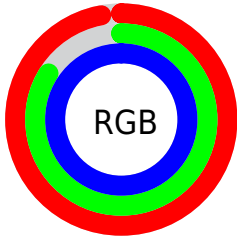
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 213, 255
Decimal	16242175
CIE <sub>Lab</sub>	89.20, 19.07, -16.09
CIE <sub>LCh</sub>	89, 24.956, 319.844
Yxy	74.5827, 0.3090, 0.2873
Android (android.graphics.Color)	4294432255 (0xFFFF7D5FF)
YUV	227.9540, 13.3337, 16.7033
Hunter-Lab	86.3613, 14.6661, -11.4959

# Details

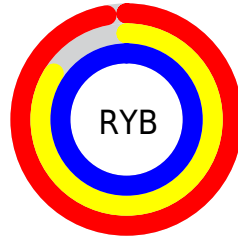
The Yxy color  $74.5827, 0.3090, 0.2873$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $91.6873, 0.3156, 0.3730$ , and the grayscale version is  $77.4477, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.4781, 0.3077, 0.2783$  is the 20% darker color. If you saturate the color by 10%, you get  $61.8824, 0.3061, 0.2609$ , and if you desaturate by 10%, it is  $89.3250, 0.3114, 0.3130$ .

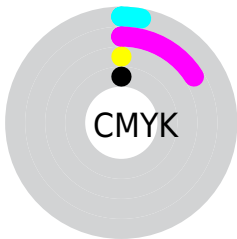
# Distribution



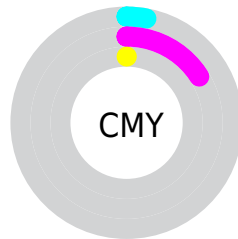
- Red (97%)
- Green (84%)
- Blue (100%)



- Red (97%)
- Yellow (84%)
- Blue (100%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5827, 0.3090, 0.2873 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 74.5827, 0.3090, 0.2873 by changing the saturation by 10% instead.




 74.5827, 0.3090,  
0.2873

 74.5827, 0.3090,  
0.2873


476.4820, 0.3110,  
0.3059

 55.2711, 0.3085,  
0.2832

125.7215, 0.3097,  
0.2936

 39.6188, 0.3079,  
0.2783

158.3174, 0.3100,  
0.2961

 27.2415, 0.3070,  
0.2721


196.1103, 0.3102,  
0.2983

 17.7546, 0.3059,  
0.2643

239.4845, 0.3104,  
0.3002

 10.7740, 0.3042,  
0.2539

288.8243, 0.3106,  
0.3018

 5.9151, 0.3016,  
0.2398

344.5143, 0.3107,

 2.7935, 0.2973,

0.3033

0.2192

406.9387, 0.3108,  
0.3047

■ 1.0249, 0.2888,  
0.1870

■ 0.0000, 0.2701,  
0.0000

■ 74.5827, 0.3090,  
0.2873

■ 74.5827, 0.3090,  
0.2873

■ 61.8824, 0.3061,  
0.2609

■ 89.3250, 0.3114,  
0.3130

■ 51.1262, 0.3026,  
0.2344

100.0000, 0.3127,  
0.3290

■ 42.2138, 0.2987,  
0.2088

■ 35.0340, 0.2942,  
0.1853

■ 29.4641, 0.2894,  
0.1648

■ 25.3645, 0.2843,  
0.1484

■ 22.5719, 0.2792,  
0.1366

■ 20.8822, 0.2742,  
0.1293

■ 20.4410, 0.2724,  
0.1274

# Harmonies

## Analogous

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



74.5827, 0.2812, 0.2798



74.5827, 0.3090, 0.2873



74.5827, 0.3391, 0.3046

# Triad

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



74.5827, 0.3090, 0.2873



74.5827, 0.3648, 0.3728



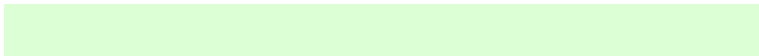
74.5827, 0.2649, 0.3269

# Complementary

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



74.5827, 0.3090, 0.2873



91.6873, 0.3156, 0.3730

# 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.



74.5827, 0.2856, 0.3552



74.5827, 0.3090, 0.2873



74.5827, 0.3433, 0.3822

# Square

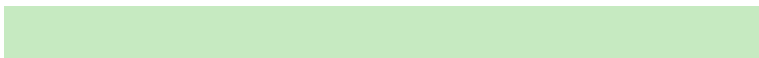
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



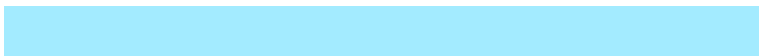
74.5827, 0.3090, 0.2873



74.5827, 0.3722, 0.3527



74.5827, 0.3142, 0.3760



74.5827, 0.2567, 0.3010



# Rectangle

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



74.5827, 0.3090, 0.2873



74.5827, 0.3561, 0.3198



74.5827, 0.3142, 0.3760



74.5827, 0.2706, 0.3365

# Sweetspot

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



74.5840, 0.3090, 0.2873



91.6779, 0.3117, 0.3167



73.2835, 0.2861, 0.2935



19.3817, 0.3116, 0.3150



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.



74.5840, 0.3090, 0.2873



69.8791, 0.3081, 0.2781



75.2770, 0.3232, 0.2999



18.1162, 0.3107, 0.3054



10.7430, 0.2733, 0.1279



1.0887, 0.2790, 0.1311



# Inverse Universe

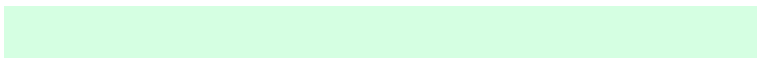
The Inverse Universe completely reimagines the original color for something new.



74.0600, 0.3385, 0.3210



69.2835, 0.3452, 0.3192



91.1329, 0.3036, 0.3599



18.0433, 0.3264, 0.3245



11.2376, 0.6107, 0.3138

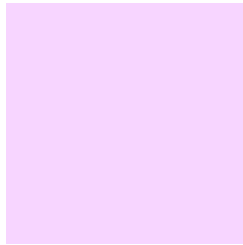


1.1084, 0.5814, 0.2977



# Previews

## White Background



This preview shows how the Yxy color 74.5827, 0.3090, 0.2873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

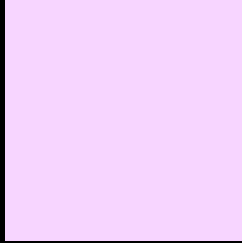
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5827, 0.3090, 0.2873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

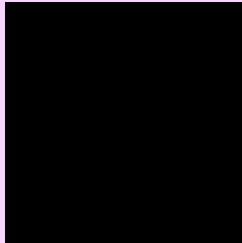
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

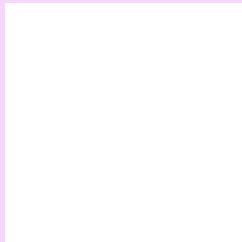
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.5827, 0.3090, 0.2873**

## Background



This preview shows how black text looks on a background with the Yxy color 74.5827, 0.3090, 0.2873.



This preview shows how white text looks on a background with the Yxy color 74.5827, 0.3090, 0.2873.

# 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

74.5827, 0.3090, 0.2873

### Protanopia

74.9008, 0.2894, 0.2955

### Deuteranopia

74.4544, 0.2992, 0.2922



## Tritanopia

74.7993, 0.3207, 0.3117

# Trichromacy



## Original Color

74.5827, 0.3090, 0.2873

## Protanomaly

74.5410, 0.2966, 0.2920

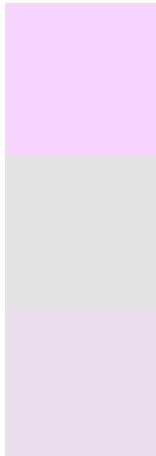
## Deuteranomaly

74.2720, 0.3026, 0.2905

## Tritanomaly

74.9350, 0.3161, 0.3027

# Monochromacy



## Original Color

74.5827, 0.3090, 0.2873

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.6106, 0.3114, 0.3135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5827, 0.3090, 0.2873 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(247, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 213, 255)  
}
```

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(247, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 213, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5827, 0.3090, 0.2873 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(247, 213, 255) }
```

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

```
.border{ border-color:rgb(247, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 213,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5827, 0.3090, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 213, 255) }
```

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

```
.background{ background-color: rgb(247,  
213, 255) }
```

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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