

# Converting Colors

$Yxy(82.9670, 0.3492, 0.2944)$

Have a look what the booklet for  
Yxy(82.9670, 0.3492, 0.2944)  
contains.

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# Color

**Yxy(74.1927, 0.3189, 0.2907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2F9
RGB	255, 210, 249
RGB Percent	100%, 82%, 98%
CMY	0.0000, 0.1765, 0.0236
CMYK	0.00, 0.18, 0.02, 0.00
HSL	308°, 100%, 91%
HSV	308°, 18%, 100%
XYZ	81.3899, 74.1927, 99.6382
YIQ	227.9010, 14.3010, 21.6690

# Conversions

## Conversions Part 2

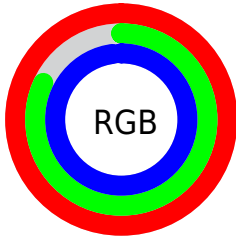
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 210, 249
Decimal	16765689
CIE Lab	89.01, 22.16, -13.11
CIE LCh	89, 25.749, 329.383
Yxy	74.1927, 0.3189, 0.2907
Android (android.graphics.Color)	4294955769 (0xFFFFD2F9)
YUV	227.9010, 10.4018, 23.7658
Hunter-Lab	86.1352, 17.9297, -8.2900

# Details

The Yxy color  $74.1927, 0.3189, 0.2907$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $90.1801, 0.3071, 0.3706$ , and the grayscale version is  $77.4186, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.2987, 0.3197, 0.2815$  is the 20% darker color. If you saturate the color by 10%, you get  $62.3761, 0.3230, 0.2684$ , and if you desaturate by 10%, it is  $88.0157, 0.3152, 0.3127$ .

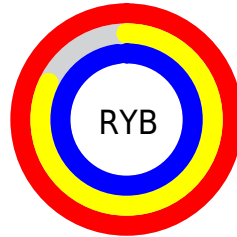
# Distribution



Red (100%)

Green (82%)

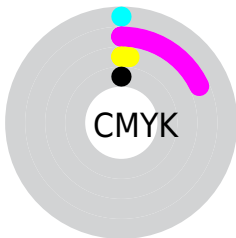
Blue (98%)



Red (100%)

Yellow (82%)

Blue (98%)

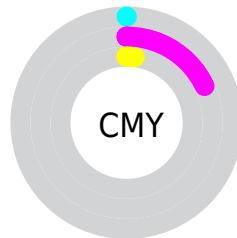


Cyan (0%)

Magenta (18%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1927, 0.3189, 0.2907 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 74.1927, 0.3189, 0.2907 by changing the saturation by 10% instead.




 74.1927, 0.3189,  
0.2907

 74.1927, 0.3189,  
0.2907

475.1382, 0.3163,  
0.3078

 54.9518, 0.3194,  
0.2869


125.1689, 0.3180,  
0.2965

 39.3631, 0.3201,  
0.2824

157.6730, 0.3177,  
0.2988

 27.0423, 0.3208,  
0.2767


195.3670, 0.3174,  
0.3008

 17.6050, 0.3218,  
0.2694

238.6352, 0.3171,  
0.3025

 10.6668, 0.3229,  
0.2599

287.8620, 0.3169,  
0.3041

 5.8432, 0.3243,  
0.2467

343.4318, 0.3167,

 2.7500, 0.3260,

0.3055

0.2274

405.7291, 0.3165,  
0.3067

■ 1.0026, 0.3278,  
0.1969

■ 0.0000, 0.3539,  
0.0000

■ 74.1927, 0.3189,  
0.2907

■ 74.1927, 0.3189,  
0.2907

■ 62.3761, 0.3230,  
0.2684

■ 88.0157, 0.3152,  
0.3127

■ 52.4764, 0.3276,  
0.2467

100.0000, 0.3127,  
0.3290

■ 44.3893, 0.3325,  
0.2262

■ 38.0029, 0.3376,  
0.2081

■ 33.1925, 0.3429,  
0.1934

■ 29.8167, 0.3480,  
0.1828

■ 27.7087, 0.3530,  
0.1767

■ 26.6483, 0.3576,  
0.1750

■ 26.4753, 0.3586,  
0.1749

# Harmonies

## Analogous

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



74.1927, 0.2885, 0.2795



74.1927, 0.3189, 0.2907



74.1927, 0.3489, 0.3110

# Triad

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



74.1927, 0.3189, 0.2907



74.1927, 0.3608, 0.3789



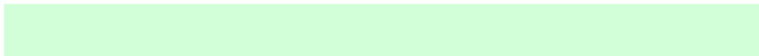
74.1927, 0.2591, 0.3176

# Complementary

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



74.1927, 0.3189, 0.2907



90.1801, 0.3071, 0.3706

# 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.



74.1927, 0.2767, 0.3471



74.1927, 0.3189, 0.2907



74.1927, 0.3351, 0.3838

# Square

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



74.1927, 0.3189, 0.2907



74.1927, 0.3736, 0.3608



74.1927, 0.3043, 0.3722



74.1927, 0.2552, 0.2933



# Rectangle

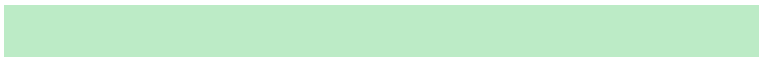
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.1927, 0.3189, 0.2907



74.1927, 0.3641, 0.3275



74.1927, 0.3043, 0.3722



74.1927, 0.2636, 0.3272

# Sweetspot

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



74.1909, 0.3189, 0.2907



92.0239, 0.3143, 0.3184



67.9112, 0.2876, 0.2813



19.4661, 0.3146, 0.3169



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.



74.1909, 0.3189, 0.2907



70.0108, 0.3202, 0.2832



72.8709, 0.3348, 0.3125



18.2561, 0.3159, 0.3087



13.8502, 0.3579, 0.1745



1.3596, 0.3531, 0.1719



# Inverse Universe

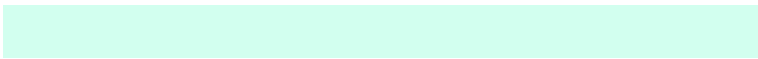
The Inverse Universe completely reimagines the original color for something new.



74.1909, 0.3189, 0.2907



70.0108, 0.3202, 0.2832



91.4239, 0.2948, 0.3462



18.2561, 0.3159, 0.3087



13.8502, 0.3579, 0.1745



1.3596, 0.3531, 0.1719



# Previews

## White Background



This preview shows how the Yxy color 74.1927, 0.3189, 0.2907 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

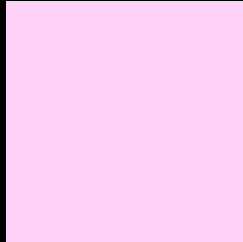
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.1927, 0.3189, 0.2907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

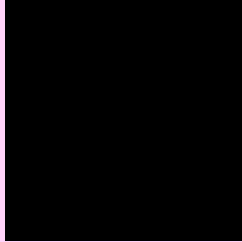
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.1927, 0.3189, 0.2907**

## Background



This preview shows how black text looks on a background with the Yxy color 74.1927, 0.3189, 0.2907.



This preview shows how white text looks on a background with the Yxy color 74.1927, 0.3189, 0.2907.

# 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

74.1927, 0.3189, 0.2907

### Protanopia

74.3680, 0.2894, 0.2945

### Deuteranopia

74.5204, 0.3057, 0.2993



## Tritanopia

73.9971, 0.3297, 0.3119

# Trichromacy



## Original Color

74.1927, 0.3189, 0.2907

## Protanomaly

74.2236, 0.2991, 0.2931

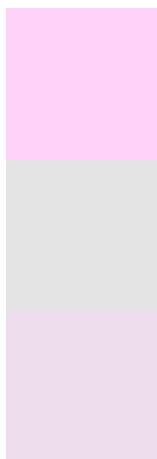
## Deuteranomaly

74.2554, 0.3100, 0.2957

## Tritanomaly

74.0840, 0.3256, 0.3040

# Monochromacy



## Original Color

74.1927, 0.3189, 0.2907

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

75.9462, 0.3149, 0.3136

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1927, 0.3189, 0.2907 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, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 249)  
}
```

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, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1927, 0.3189, 0.2907 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, 210, 249) }
```

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

```
.border{ border-color:rgb(255, 210, 249) }
```

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

Here you see how a box with a 4 pixel rgb(255, 210, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1927, 0.3189, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 249) }
```

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

```
.background{ background-color: rgb(255,  
210, 249) }
```

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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