

# Converting Colors

$Y_{xy}(74.2197, 0.3279, 0.3049)$

Have a look what the booklet for  
Yxy(74.2197, 0.3279, 0.3049)  
contains.

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# **Color**

**Yxy(74.4031, 0.3278, 0.3051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4EC
RGB	255, 212, 236
RGB Percent	100%, 83%, 93%
CMY	0.0000, 0.1687, 0.0744
CMYK	0.00, 0.17, 0.07, 0.00
HSL	326°, 100%, 92%
HSV	326°, 17%, 100%
XYZ	79.9388, 74.4031, 89.5227
YIQ	227.5930, 17.9240, 16.5800

# Conversions

## Conversions Part 2

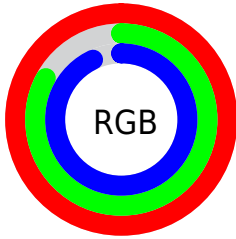
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 212, 236
Decimal	16766188
CIE Lab	89.11, 18.89, -6.14
CIE LCh	89, 19.865, 342.008
Yxy	74.4031, 0.3278, 0.3051
Android (android.graphics.Color)	4294956268 (0xFFFFD4EC)
YUV	227.5930, 4.1447, 24.0359
Hunter-Lab	86.2572, 14.4746, -1.1545

# Details

The Yxy color **74.4031, 0.3278, 0.3051** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.2823, 0.3000, 0.3542**, and the grayscale version is **77.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.4150, 0.3315, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **62.0070, 0.3391, 0.2902**, and if you desaturate by 10%, it is **88.8426, 0.3183, 0.3195**.

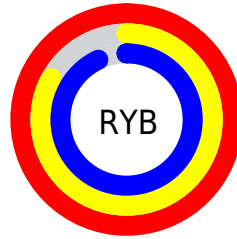
# Distribution



Red (100%)

Green (83%)

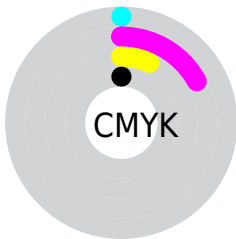
Blue (93%)



Red (100%)

Yellow (83%)

Blue (93%)

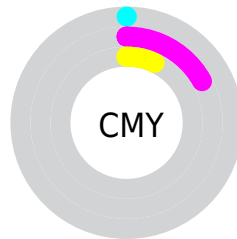


Cyan (0%)

Magenta (17%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4031, 0.3278, 0.3051 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 74.4031, 0.3278, 0.3051 by changing the saturation by 10% instead.




 74.4031, 0.3278,  
0.3051

 74.4031, 0.3278,  
0.3051

475.8634, 0.3210,  
0.3159

 55.1240, 0.3293,  
0.3027

125.4671, 0.3254,  
0.3088

 39.5010, 0.3312,  
0.2997

158.0207, 0.3245,  
0.3103

 27.1497, 0.3336,  
0.2960


195.7681, 0.3237,  
0.3115

 17.6857, 0.3366,  
0.2913

239.0935, 0.3230,  
0.3126

 10.7246, 0.3407,  
0.2849

288.3813, 0.3224,  
0.3136

 5.8819, 0.3465,  
0.2760

344.0160, 0.3219,

 2.7734, 0.3553,

0.3144

0.2627

406.3819, 0.3214,  
0.3152

1.0146, 0.3702,  
0.2404

0.0000, 0.5332,  
0.0000

74.4031, 0.3278,  
0.3051

74.4031, 0.3278,  
0.3051

62.0070, 0.3391,  
0.2902

88.8426, 0.3183,  
0.3195

51.5758, 0.3525,  
0.2752

100.0000, 0.3127,  
0.3290

43.0013, 0.3681,  
0.2609

36.1717, 0.3858,  
0.2482

■ 30.9627, 0.4055,  
0.2384

■ 27.2335, 0.4264,  
0.2326

■ 24.8188, 0.4477,  
0.2319

■ 23.5097, 0.4684,  
0.2367

■ 23.2283, 0.4748,  
0.2389

# Harmonies

## Analogous

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



74.4031, 0.3037, 0.2929



74.4031, 0.3278, 0.3051



74.4031, 0.3484, 0.3232

# Triad

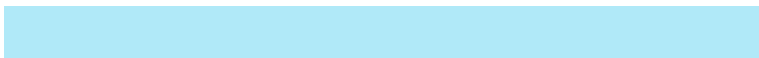
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.4031, 0.3278, 0.3051



74.4031, 0.3425, 0.3704



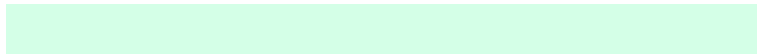
74.4031, 0.2683, 0.3118

# Complementary

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



74.4031, 0.3278, 0.3051



91.2823, 0.3000, 0.3542

# 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.



74.4031, 0.2779, 0.3335



74.4031, 0.3278, 0.3051



74.4031, 0.3204, 0.3686

# Square

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



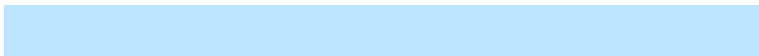
74.4031, 0.3278, 0.3051



74.4031, 0.3570, 0.3607



74.4031, 0.2968, 0.3548



74.4031, 0.2701, 0.2960



# Rectangle

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



74.4031, 0.3278, 0.3051



74.4031, 0.3570, 0.3367



74.4031, 0.2968, 0.3548



74.4031, 0.2703, 0.3187

# Sweetspot

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



74.3976, 0.3278, 0.3051



91.7762, 0.3167, 0.3221



71.2267, 0.2976, 0.2848



19.4058, 0.3173, 0.3212



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.



74.3976, 0.3278, 0.3051



70.3005, 0.3311, 0.3005



73.2388, 0.3431, 0.3262



18.1571, 0.3206, 0.3158



12.1679, 0.4715, 0.2371



1.2067, 0.4496, 0.2250



# Inverse Universe

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



74.3976, 0.3278, 0.3051



70.3005, 0.3311, 0.3005



92.5517, 0.2887, 0.3319



18.1571, 0.3206, 0.3158



12.1679, 0.4715, 0.2371



1.2067, 0.4496, 0.2250



# Previews

## White Background



This preview shows how the Yxy color 74.4031, 0.3278, 0.3051 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

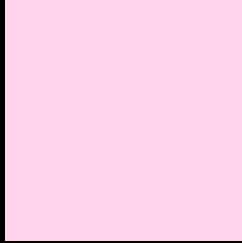
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.4031, 0.3278, 0.3051 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 74.4031, 0.3278, 0.3051**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.4031, 0.3278, 0.3051.



This preview shows how white text looks on a background with the Yxy color 74.4031, 0.3278, 0.3051.

# 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

74.4031, 0.3278, 0.3051

### Protanopia

74.9344, 0.3000, 0.3079

### Deuteranopia

74.3246, 0.3179, 0.3105



## Tritanopia

74.3725, 0.3312, 0.3120

# Trichromacy



## Original Color

74.4031, 0.3278, 0.3051

## Protanomaly

74.6165, 0.3102, 0.3073

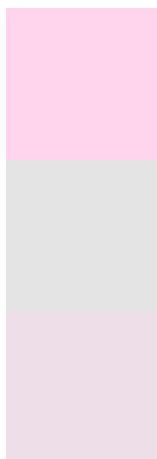
## Deuteranomaly

74.1919, 0.3216, 0.3087

## Tritanomaly

74.4855, 0.3298, 0.3100

# Monochromacy



## Original Color

74.4031, 0.3278, 0.3051

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.1892, 0.3181, 0.3197

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4031, 0.3278, 0.3051 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4031, 0.3278, 0.3051 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, 236) }
```

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

```
.border{ border-color:rgb(255, 212, 236) }
```

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, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4031, 0.3278, 0.3051 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
212, 236) }
```

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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