

# Converting Colors

$Y_{xy}(78.4126, 0.3239, 0.3079)$

Have a look what the booklet for  
Yxy(78.4126, 0.3239, 0.3079)  
contains.

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# Color

**Yxy(78.2739, 0.3237, 0.3073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBF1
RGB	255, 219, 241
RGB Percent	100%, 86%, 95%
CMY	0.0000, 0.1412, 0.0549
CMYK	0.00, 0.14, 0.05, 0.00
HSL	323°, 100%, 93%
HSV	323°, 14%, 100%
XYZ	82.4512, 78.2739, 93.9898
YIQ	232.2720, 14.3940, 14.4740

# Conversions

## Conversions Part 2

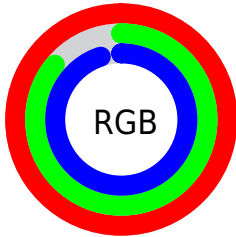
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 219, 241
Decimal	16767985
CIE Lab	90.90, 16.06, -6.11
CIE LCh	91, 17.186, 339.167
Yxy	78.2739, 0.3237, 0.3073
Android (android.graphics.Color)	4294958065 (0xFFFFDBF1)
YUV	232.2720, 4.3029, 19.9325
Hunter-Lab	88.4725, 11.5246, -1.0566

# Details

The Yxy color **78.2739, 0.3237, 0.3073** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92.4632, 0.3031, 0.3517**, and the grayscale version is **80.8709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0595, 0.3260, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **65.3980, 0.3333, 0.2912**, and if you desaturate by 10%, it is **93.2245, 0.3156, 0.3228**.

# Distribution



Red (100%)

Green (86%)

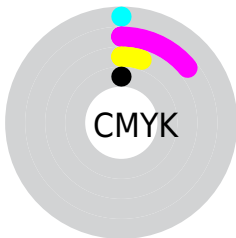
Blue (95%)



Red (100%)

Yellow (86%)

Blue (95%)



Cyan (0%)

Magenta (14%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2739, 0.3237, 0.3073 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 78.2739, 0.3237, 0.3073 by changing the saturation by 10% instead.



 78.2739, 0.3237,  
0.3073

 78.2739, 0.3237,  
0.3073


489.0965, 0.3188,  
0.3170

 58.2990, 0.3248,  
0.3051


130.9362, 0.3220,  
0.3106

 42.0491, 0.3261,  
0.3025


164.3923, 0.3214,  
0.3119

 29.1397, 0.3278,  
0.2992


203.1110, 0.3208,  
0.3131

 19.1865, 0.3299,  
0.2950

247.4767, 0.3203,  
0.3141

 11.8051, 0.3328,  
0.2894

297.8736, 0.3198,  
0.3149

 6.6111, 0.3367,  
0.2817

354.6863, 0.3194,

 3.2201, 0.3426,

0.3157

0.2701

418.2992, 0.3191,  
0.3164

■ 1.2477, 0.3523,  
0.2512

■ 0.1002, 0.4336,  
0.0891

■ 78.2739, 0.3237,  
0.3073

■ 78.2739, 0.3237,  
0.3073

■ 65.3980, 0.3333,  
0.2912

■ 93.2245, 0.3156,  
0.3228

■ 54.4971, 0.3446,  
0.2749

100.0000, 0.3127,  
0.3290

■ 45.4734, 0.3577,  
0.2591

■ 38.2180, 0.3725,  
0.2447

■ 32.6106, 0.3889,  
0.2328

■ 28.5159, 0.4065,  
0.2247

■ 25.7767, 0.4245,  
0.2214

■ 24.2011, 0.4423,  
0.2234

■ 23.6572, 0.4525,  
0.2266

# Harmonies

## Analogous

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



78.2739, 0.3032, 0.2975



78.2739, 0.3237, 0.3073



78.2739, 0.3417, 0.3225

# Triad

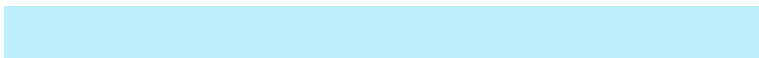
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2739, 0.3237, 0.3073



78.2739, 0.3397, 0.3638



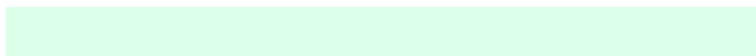
78.2739, 0.2752, 0.3161

# Complementary

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



78.2739, 0.3237, 0.3073



92.4632, 0.3031, 0.3517

# Split Complementary

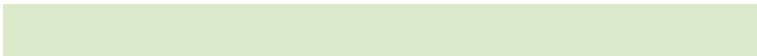
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2739, 0.2843, 0.3347



78.2739, 0.3237, 0.3073



78.2739, 0.3213, 0.3631

# Square

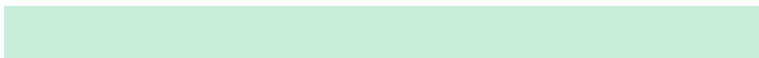
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



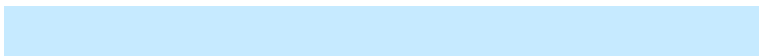
78.2739, 0.3237, 0.3073



78.2739, 0.3510, 0.3550



78.2739, 0.3010, 0.3523



78.2739, 0.2757, 0.3019

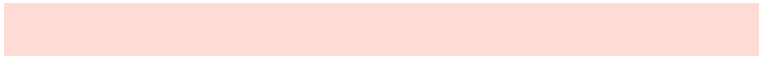


# Rectangle

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



78.2739, 0.3237, 0.3073



78.2739, 0.3496, 0.3341



78.2739, 0.3010, 0.3523



78.2739, 0.2772, 0.3221

# Sweetspot

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



78.2762, 0.3237, 0.3073



93.4112, 0.3155, 0.3230



75.1749, 0.2991, 0.2923



19.7369, 0.3161, 0.3219



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

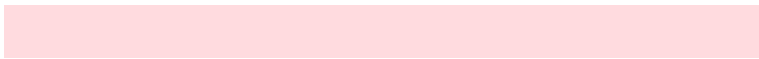
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2762, 0.3237, 0.3073



74.3543, 0.3263, 0.3027



77.2633, 0.3360, 0.3249



18.1737, 0.3198, 0.3146



12.3915, 0.4498, 0.2251



1.2280, 0.4310, 0.2148



# Inverse Universe

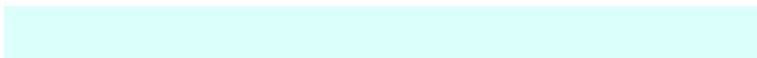
The Inverse Universe completely reimagines the original color for something new.



78.2762, 0.3237, 0.3073



74.3543, 0.3263, 0.3027



93.5330, 0.2934, 0.3332



18.1737, 0.3198, 0.3146



12.3915, 0.4498, 0.2251



1.2280, 0.4310, 0.2148



# Previews

## White Background



This preview shows how the Yxy color 78.2739, 0.3237, 0.3073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

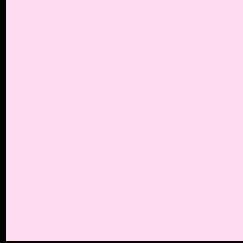
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.2739, 0.3237, 0.3073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

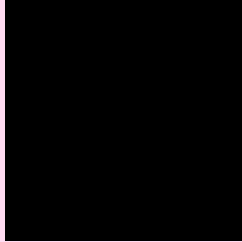
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.2739, 0.3237, 0.3073**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.2739, 0.3237, 0.3073.



This preview shows how white text looks on a background with the Yxy color 78.2739, 0.3237, 0.3073.

# 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

78.2739, 0.3237, 0.3073

### Protanopia

78.6346, 0.3015, 0.3104

### Deuteranopia

78.1267, 0.3178, 0.3109



## Tritanopia

78.3717, 0.3256, 0.3122

# Trichromacy



## Original Color

78.2739, 0.3237, 0.3073

## Protanomaly

78.5592, 0.3095, 0.3097

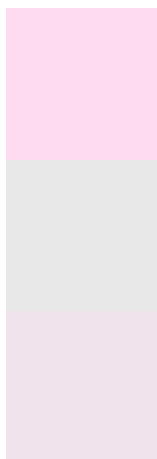
## Deuteranomaly

78.1439, 0.3200, 0.3100

## Tritanomaly

78.4303, 0.3249, 0.3112

# Monochromacy



## Original Color

78.2739, 0.3237, 0.3073

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

79.4616, 0.3166, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.2739, 0.3237, 0.3073 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, 219, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 241)  
}
```

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, 219, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 78.2739, 0.3237, 0.3073 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, 219, 241) }
```

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

```
.border{ border-color:rgb(255, 219, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.2739, 0.3237, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 241) }
```

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

```
.background{ background-color: rgb(255,  
219, 241) }
```

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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