

# Converting Colors

Yxy(69.9471, 0.3102, 0.2879)

Have a look what the booklet for  
Yxy(69.9471, 0.3102, 0.2879)  
contains.

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# Color

**Yxy(70.0418, 0.3102, 0.2883)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1CFF7
RGB	241, 207, 247
RGB Percent	95%, 81%, 97%
CMY	0.0551, 0.1881, 0.0314
CMYK	0.02, 0.16, 0.00, 0.03
HSL	291°, 71%, 89%
HSV	291°, 16%, 97%
XYZ	75.3624, 70.0418, 97.5435
YIQ	221.7260, 7.4240, 19.6480

# Conversions

## Conversions Part 2

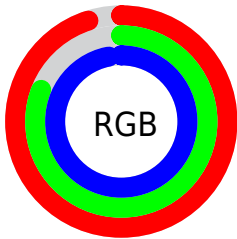
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 207, 247
Decimal	15847415
CIE Lab	87.02, 18.74, -15.18
CIE LCh	87, 24.120, 320.983
Yxy	70.0418, 0.3102, 0.2883
Android (android.graphics.Color)	4294037495 (0xFFF1CFF7)
YUV	221.7260, 12.4601, 16.9033
Hunter-Lab	83.6910, 14.2771, -10.5200

# Details

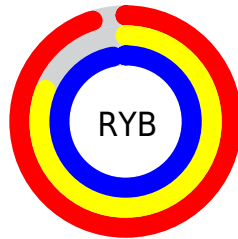
The Yxy color  $70.0418, 0.3102, 0.2883$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $85.1876, 0.3145, 0.3722$ , and the grayscale version is  $72.7485, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.8583, 0.3093, 0.2794$  is the 20% darker color. If you saturate the color by 10%, you get  $58.3443, 0.3081, 0.2621$ , and if you desaturate by 10%, it is  $83.6311, 0.3119, 0.3138$ .

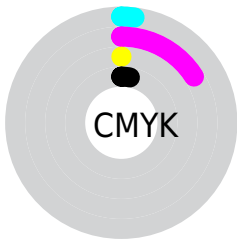
# Distribution



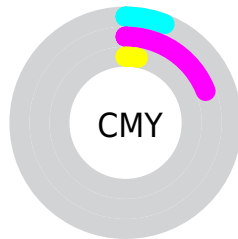
- Red (95%)
- Green (81%)
- Blue (97%)



- Red (95%)
- Yellow (81%)
- Blue (97%)



- Cyan (2%)
- Magenta (16%)
- Yellow (0%)
- Black (3%)




- Cyan (6%)
- Magenta (19%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0418, 0.3102, 0.2883 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 70.0418, 0.3102, 0.2883 by changing the saturation by 10% instead.




 70.0418, 0.3102,  
0.2883

 70.0418, 0.3102,  
0.2883


460.6968, 0.3116,  
0.3067

 51.5606, 0.3098,  
0.2842

119.2684, 0.3107,  
0.2946

 36.6550, 0.3093,  
0.2792


150.7825, 0.3109,  
0.2970

 24.9405, 0.3087,  
0.2730


187.4098, 0.3111,  
0.2992

 16.0327, 0.3077,  
0.2650

229.5346, 0.3112,  
0.3011

 9.5473, 0.3063,  
0.2544

277.5413, 0.3113,  
0.3027

 5.0998, 0.3041,  
0.2397


331.8143, 0.3114,


 2.3060, 0.3001,


0.3042


0.2178


392.7380, 0.3115,  
0.3055


 0.7769, 0.2920,  
0.1818


 0.0000, 0.1698,  
0.0000


 70.0418, 0.3102,  
0.2883


 70.0418, 0.3102,  
0.2883


 58.3443, 0.3081,  
0.2621


 83.6311, 0.3119,  
0.3138

 48.4426, 0.3056,  
0.2361

 98.2707, 0.3132,  
0.3367

 40.2461, 0.3026,  
0.2111

 98.9633, 0.3156,  
0.3367

 33.6525, 0.2993,  
0.1882

 99.4955, 0.3173,  
0.3367

■ 28.5485, 0.2956,  
0.1684

■ 24.8059, 0.2917,  
0.1527

■ 22.2748, 0.2877,  
0.1414

■ 20.7689, 0.2837,  
0.1347

■ 20.3543, 0.2822,  
0.1328

# Harmonies

## Analogous

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



70.0418, 0.2825, 0.2805



70.0418, 0.3102, 0.2883



70.0418, 0.3398, 0.3057

# Triad

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



70.0418, 0.3102, 0.2883



70.0418, 0.3635, 0.3729



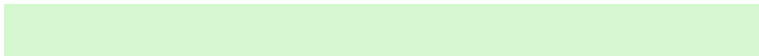
70.0418, 0.2650, 0.3259

# Complementary

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



70.0418, 0.3102, 0.2883



85.1876, 0.3145, 0.3722

# 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.



70.0418, 0.2850, 0.3538



70.0418, 0.3102, 0.2883



70.0418, 0.3419, 0.3815

# Square

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



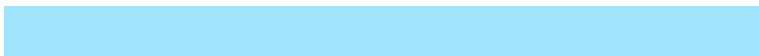
70.0418, 0.3102, 0.2883



70.0418, 0.3714, 0.3533



70.0418, 0.3130, 0.3748



70.0418, 0.2573, 0.3005



# Rectangle

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



70.0418, 0.3102, 0.2883



70.0418, 0.3563, 0.3208



70.0418, 0.3130, 0.3748



70.0418, 0.2704, 0.3354

# Sweetspot

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



70.0448, 0.3102, 0.2883



91.7686, 0.3120, 0.3167



67.9205, 0.2866, 0.2927



19.4038, 0.3119, 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.



70.0448, 0.3102, 0.2883



71.5219, 0.3097, 0.2809



70.3348, 0.3239, 0.3018



16.6337, 0.3114, 0.3055



10.8147, 0.2829, 0.1332



0.9842, 0.2879, 0.1360



# Inverse Universe

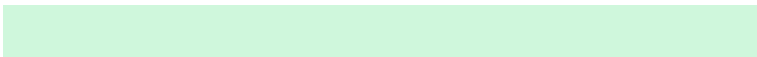
The Inverse Universe completely reimagines the original color for something new.



69.2213, 0.3390, 0.3228



70.5174, 0.3446, 0.3216



84.9778, 0.3030, 0.3578



16.5234, 0.3270, 0.3254



10.5427, 0.6191, 0.3184

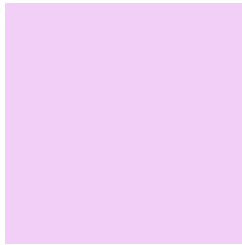


0.9386, 0.5889, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 70.0418, 0.3102, 0.2883 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

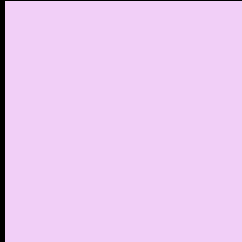
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0418, 0.3102, 0.2883 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

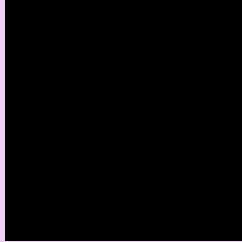
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.0418, 0.3102, 0.2883**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0418, 0.3102, 0.2883.



This preview shows how white text looks on a background with the Yxy color 70.0418, 0.3102, 0.2883.

# 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

70.0418, 0.3102, 0.2883

### Protanopia

70.0525, 0.2857, 0.2895

### Deuteranopia

69.9095, 0.3001, 0.2933



## Tritanopia

69.8164, 0.3217, 0.3112

# Trichromacy



## Original Color

70.0418, 0.3102, 0.2883

## Protanomaly

70.0831, 0.2942, 0.2891

## Deuteranomaly

69.7359, 0.3037, 0.2915

## Tritanomaly

69.8922, 0.3176, 0.3031

# Monochromacy



## Original Color

70.0418, 0.3102, 0.2883

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.0532, 0.3120, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0418, 0.3102, 0.2883 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(241, 207, 247)` looks like.

```
.text, #text, p{  
    color:rgb(241, 207, 247)  
}
```

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(241, 207, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 207, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0418, 0.3102, 0.2883 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(241, 207, 247) }
```

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

```
.border{ border-color:rgb(241, 207, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 207, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 207, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 207, 247);  
box-shadow:4px 4px 4px 4px rgb(241, 207,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0418, 0.3102, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 207, 247) }
```

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

```
.background{ background-color: rgb(241,  
207, 247) }
```

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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