

# Converting Colors

$Y_{xy}(72.7480, 0.3133, 0.2899)$

Have a look what the booklet for  
Yxy(72.7480, 0.3133, 0.2899)  
contains.

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# Color

**Yxy(72.7069, 0.3131, 0.2900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7D2F9
RGB	247, 210, 249
RGB Percent	97%, 82%, 98%
CMY	0.0314, 0.1764, 0.0236
CMYK	0.01, 0.16, 0.00, 0.02
HSL	297°, 76%, 90%
HSV	297°, 16%, 98%
XYZ	78.4984, 72.7069, 99.5082
YIQ	225.5090, 9.5330, 19.9730

# Conversions

## Conversions Part 2

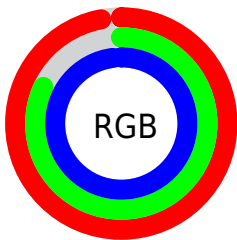
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 210, 249
Decimal	16241401
CIE Lab	88.31, 19.51, -14.25
CIE LCh	88, 24.158, 323.864
Yxy	72.7069, 0.3131, 0.2900
Android (android.graphics.Color)	4294431481 (0xFFF7D2F9)
YUV	225.5090, 11.5811, 18.8476
Hunter-Lab	85.2683, 15.1082, -9.5036

# Details

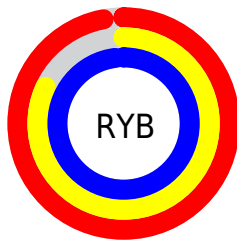
The Yxy color **72.7069, 0.3131, 0.2900** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.3963, 0.3120, 0.3710**, and the grayscale version is **75.5913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2401, 0.3122, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **61.1249, 0.3132, 0.2645**, and if you desaturate by 10%, it is **86.2094, 0.3129, 0.3152**.

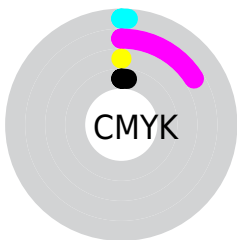
# Distribution



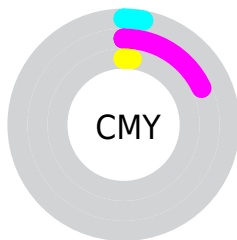
- Red (97%)
- Green (82%)
- Blue (98%)



- Red (97%)
- Yellow (82%)
- Blue (98%)



- Cyan (1%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)




- Cyan (3%)
- Magenta (18%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7069, 0.3131, 0.2900 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 72.7069, 0.3131, 0.2900 by changing the saturation by 10% instead.




 72.7069, 0.3131,  
0.2900

 72.7069, 0.3131,  
0.2900


469.9983, 0.3132,  
0.3075

 53.7363, 0.3130,  
0.2861

123.0610, 0.3132,  
0.2960

 38.3909, 0.3129,  
0.2814


155.2134, 0.3132,  
0.2983

 26.2862, 0.3128,  
0.2756


192.5284, 0.3132,  
0.3003

 17.0379, 0.3125,  
0.2681

235.3906, 0.3132,  
0.3021

 10.2615, 0.3120,  
0.2581

284.1843, 0.3132,  
0.3037

 5.5727, 0.3110,  
0.2444


339.2939, 0.3132,


 2.5870, 0.3092,


0.3051


0.2243

401.1038, 0.3132,  
0.3064

 0.9202, 0.3047,  
0.1921


 0.0000, 0.2735,  
0.0000


 72.7069, 0.3131,  
0.2900


 72.7069, 0.3131,  
0.2900


 61.1249, 0.3132,  
0.2645


 86.2094, 0.3129,  
0.3152


 51.3659, 0.3131,  
0.2394

 98.5985, 0.3128,  
0.3348

 43.3379, 0.3128,  
0.2158

 98.8346, 0.3136,  
0.3348

 36.9372, 0.3123,  
0.1946

 99.0723, 0.3144,  
0.3348

32.0491, 0.3116,  
0.1767

99.3116, 0.3152,  
0.3348

28.5438, 0.3107,  
0.1629

99.5525, 0.3160,  
0.3347

26.2699, 0.3096,  
0.1535

99.6188, 0.3162,  
0.3347

25.0400, 0.3084,  
0.1483

24.7095, 0.3079,  
0.1470

# Harmonies

## Analogous

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



72.7069, 0.2852, 0.2813



72.7069, 0.3131, 0.2900



72.7069, 0.3421, 0.3079

# Triad

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



72.7069, 0.3131, 0.2900



72.7069, 0.3614, 0.3738



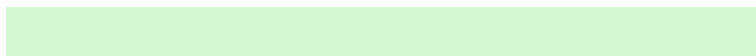
72.7069, 0.2642, 0.3233

# Complementary

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



72.7069, 0.3131, 0.2900



86.3963, 0.3120, 0.3710

# 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.



72.7069, 0.2830, 0.3510



72.7069, 0.3131, 0.2900



72.7069, 0.3390, 0.3810

# Square

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



72.7069, 0.3131, 0.2900



72.7069, 0.3707, 0.3552



72.7069, 0.3102, 0.3728



72.7069, 0.2579, 0.2989



# Rectangle

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



72.7069, 0.3131, 0.2900



72.7069, 0.3578, 0.3232



72.7069, 0.3102, 0.3728



72.7069, 0.2692, 0.3326

# Sweetspot

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



72.7100, 0.3131, 0.2900



92.0094, 0.3129, 0.3168



67.9348, 0.2873, 0.2897



19.4626, 0.3129, 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.



72.7100, 0.3131, 0.2900



72.4198, 0.3131, 0.2814



72.0683, 0.3263, 0.3066



17.4766, 0.3130, 0.3056



13.2477, 0.3081, 0.1471



1.2405, 0.3097, 0.1480



# Inverse Universe

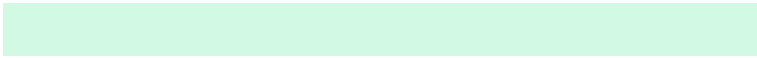
The Inverse Universe completely reimagines the original color for something new.



70.9905, 0.3409, 0.3270



70.2731, 0.3483, 0.3266



86.9879, 0.3011, 0.3525



17.2396, 0.3286, 0.3278



10.8017, 0.6348, 0.3271



1.0053, 0.6222, 0.3201



# Previews

## White Background



This preview shows how the Yxy color 72.7069, 0.3131, 0.2900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

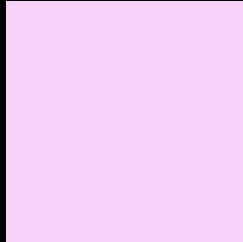
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.7069, 0.3131, 0.2900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

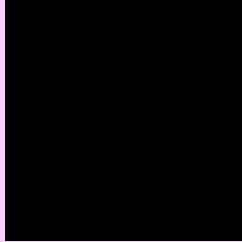
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.7069, 0.3131, 0.2900**

## Background



This preview shows how black text looks on a background with the Yxy color 72.7069, 0.3131, 0.2900.

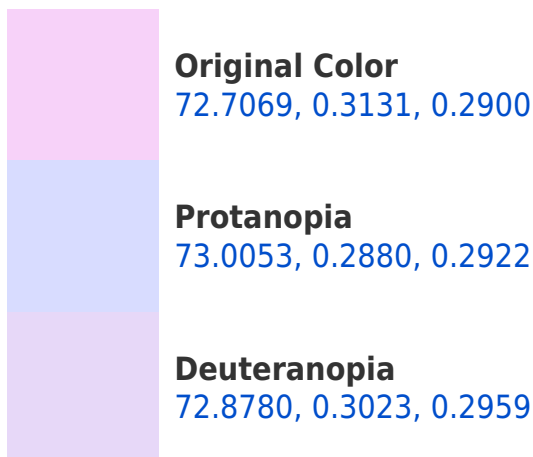


This preview shows how white text looks on a background with the Yxy color 72.7069, 0.3131, 0.2900.

# 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





## Tritanopia

72.5348, 0.3238, 0.3116

# Trichromacy



## Original Color

72.7069, 0.3131, 0.2900

## Protanomaly

72.5345, 0.2964, 0.2907

## Deuteranomaly

72.8750, 0.3065, 0.2943

## Tritanomaly

72.6139, 0.3197, 0.3036

# Monochromacy



## Original Color

72.7069, 0.3131, 0.2900

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

74.6193, 0.3134, 0.3144

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.7069, 0.3131, 0.2900 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, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 210, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 72.7069, 0.3131, 0.2900 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, 210, 249) }
```

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

```
.border{ border-color:rgb(247, 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(247, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(247, 210,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.7069, 0.3131, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 210, 249) }
```

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

```
.background{ background-color: rgb(247,  
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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