

# Converting Colors

$Y_{xy}(72.7189, 0.3147, 0.2875)$

Have a look what the booklet for  
Yxy(72.7189, 0.3147, 0.2875)  
contains.

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# Color

**Yxy(72.8270, 0.3146, 0.2883)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAD1FA
RGB	250, 209, 250
RGB Percent	98%, 82%, 98%
CMY	0.0197, 0.1803, 0.0196
CMYK	0.00, 0.16, 0.00, 0.02
HSL	300°, 80%, 90%
HSV	300°, 16%, 98%
XYZ	79.4706, 72.8270, 100.3108
YIQ	225.9330, 11.2750, 21.4430

# Conversions

## Conversions Part 2

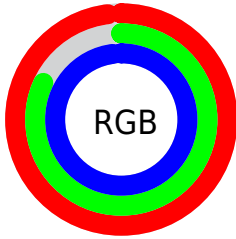
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 209, 250
Decimal	16437754
CIE Lab	88.37, 21.19, -14.67
CIE LCh	88, 25.773, 325.312
Yxy	72.8270, 0.3146, 0.2883
Android (android.graphics.Color)	4294627834 (0xFFFAD1FA)
YUV	225.9330, 11.8650, 21.1068
Hunter-Lab	85.3387, 16.8830, -9.9549

# Details

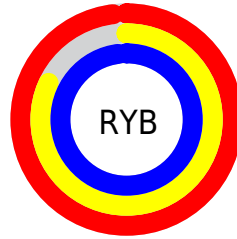
The Yxy color **72.8270, 0.3146, 0.2883** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.5395, 0.3107, 0.3734**, and the grayscale version is **75.9089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2989, 0.3150, 0.2795** is the 20% darker color. If you saturate the color by 10%, you get **61.5048, 0.3158, 0.2631**, and if you desaturate by 10%, it is **86.0804, 0.3134, 0.3134**.

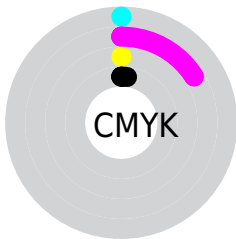
# Distribution



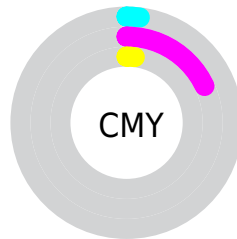
- Red (98%)
- Green (82%)
- Blue (98%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8270, 0.3146, 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 72.8270, 0.3146, 0.2883 by changing the saturation by 10% instead.




 72.8270, 0.3146,  
0.2883

 72.8270, 0.3146,  
0.2883

470.4150, 0.3140,  
0.3065

 53.8345, 0.3147,  
0.2843


123.2316, 0.3144,  
0.2945

 38.4694, 0.3148,  
0.2794


155.4125, 0.3144,  
0.2969

 26.3472, 0.3148,  
0.2733


192.7583, 0.3143,  
0.2991

 17.0836, 0.3148,  
0.2656

235.6534, 0.3142,  
0.3009

 10.2941, 0.3147,  
0.2553

284.4823, 0.3142,  
0.3026

 5.5944, 0.3142,  
0.2412

339.6292, 0.3141,

 2.6000, 0.3131,

0.3040

0.2206

401.4787, 0.3140,  
0.3053

0.9267, 0.3099,  
0.1878

0.0000, 0.2942,  
0.0000

72.8270, 0.3146,  
0.2883

72.8270, 0.3146,  
0.2883

61.5048, 0.3158,  
0.2631

86.0804, 0.3134,  
0.3134

52.0147, 0.3169,  
0.2387

98.7478, 0.3125,  
0.3338

44.2634, 0.3179,  
0.2159

98.7518, 0.3125,  
0.3338

38.1453, 0.3189,  
0.1958

98.7557, 0.3125,  
0.3338

33.5436, 0.3196,  
0.1793

98.7597, 0.3125,  
0.3338

30.3260, 0.3202,  
0.1669

98.7637, 0.3125,  
0.3338

28.3373, 0.3205,  
0.1588

98.7676, 0.3126,  
0.3338

27.3840, 0.3207,  
0.1549

98.7716, 0.3126,  
0.3338

27.1868, 0.3207,  
0.1540

98.7755, 0.3126,  
0.3338

# Harmonies

## Analogous

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



72.8270, 0.2846, 0.2785



72.8270, 0.3146, 0.2883



72.8270, 0.3454, 0.3077

# Triad

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



72.8270, 0.3146, 0.2883



72.8270, 0.3638, 0.3774



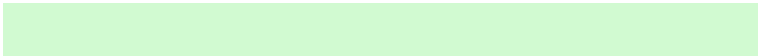
72.8270, 0.2604, 0.3214

# Complementary

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



72.8270, 0.3146, 0.2883



86.5395, 0.3107, 0.3734

# 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.



72.8270, 0.2798, 0.3511



72.8270, 0.3146, 0.2883



72.8270, 0.3393, 0.3845

# Square

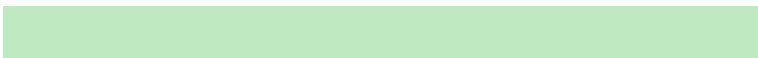
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



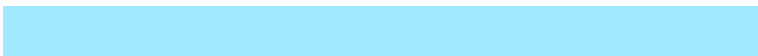
72.8270, 0.3146, 0.2883



72.8270, 0.3745, 0.3579



72.8270, 0.3085, 0.3751



72.8270, 0.2545, 0.2958



# Rectangle

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



72.8270, 0.3146, 0.2883



72.8270, 0.3618, 0.3240



72.8270, 0.3085, 0.3751



72.8270, 0.2655, 0.3313

# Sweetspot

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



72.8302, 0.3146, 0.2883



92.1311, 0.3133, 0.3168



66.4065, 0.2859, 0.2854



19.4923, 0.3134, 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.



72.8302, 0.3146, 0.2883



71.6574, 0.3150, 0.2791



71.6585, 0.3285, 0.3075



17.5238, 0.3138, 0.3056



14.4210, 0.3207, 0.1540



1.3359, 0.3207, 0.1541



# Inverse Universe

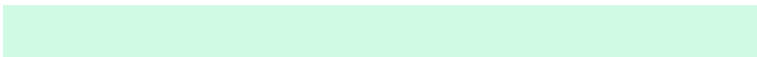
The Inverse Universe completely reimagines the original color for something new.



70.5406, 0.3440, 0.3291



68.8075, 0.3527, 0.3291



87.5775, 0.2994, 0.3515



17.2255, 0.3294, 0.3290



10.7808, 0.6400, 0.3299



0.9986, 0.6398, 0.3298



# Previews

## White Background



This preview shows how the Yxy color 72.8270, 0.3146, 0.2883 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

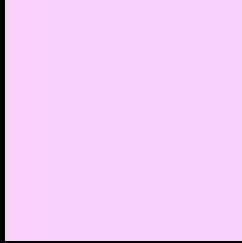
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8270, 0.3146, 0.2883 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

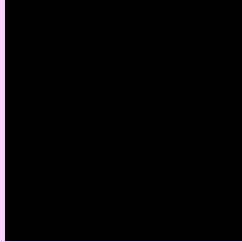
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

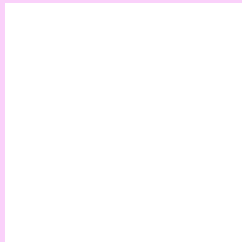
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.8270, 0.3146, 0.2883**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8270, 0.3146, 0.2883.



This preview shows how white text looks on a background with the Yxy color 72.8270, 0.3146, 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

72.8270, 0.3146, 0.2883

### Protanopia

73.0053, 0.2880, 0.2922

### Deuteranopia

72.9402, 0.3017, 0.2949



## Tritanopia

73.0198, 0.3267, 0.3127

# Trichromacy



**Original Color**

72.8270, 0.3146, 0.2883

**Protanomaly**

72.6976, 0.2971, 0.2908

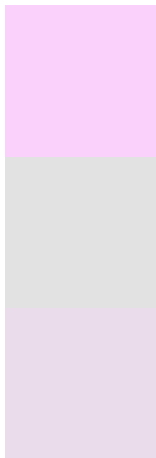
**Deuteranomaly**

72.6052, 0.3066, 0.2923

**Tritanomaly**

73.1579, 0.3219, 0.3037

# Monochromacy



**Original Color**

72.8270, 0.3146, 0.2883

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

74.8467, 0.3134, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8270, 0.3146, 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(250, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(250, 209, 250)  
}
```

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(250, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 209, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8270, 0.3146, 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(250, 209, 250) }
```

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

```
.border{ border-color:rgb(250, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(250, 209,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8270, 0.3146, 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(250, 209, 250) }
```

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

```
.background{ background-color: rgb(250,  
209, 250) }
```

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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