

# Converting Colors

$Y_{xy}(72.1432, 0.3017, 0.2770)$

Have a look what the booklet for  
Yxy(72.1432, 0.3017, 0.2770)  
contains.

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# Color

**Yxy(71.6982, 0.3056, 0.2828)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F2D1FF                     |
| RGB         | 242, 209, 255              |
| RGB Percent | 95%, 82%, 100%             |
| CMY         | 0.0508, 0.1804, 0.0000     |
| CMYK        | 0.05, 0.18, 0.00, 0.00     |
| HSL         | 283°, 100%, 91%            |
| HSV         | 283°, 18%, 100%            |
| XYZ         | 77.4787, 71.6982, 104.3528 |
| YIQ         | 224.1110, 4.9020, 21.3020  |

# Conversions

## Conversions Part 2

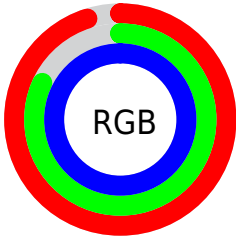
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 242, 209, 255                 |
| Decimal                             | 15913471                      |
| CIE Lab                             | 87.82, 19.56, -18.18          |
| CIE LCh                             | 88, 26.705, 317.091           |
| Yxy                                 | 71.6982, 0.3056,<br>0.2828    |
| Android<br>(android.graphics.Color) | 4294103551<br>(0xFFFF2D1FF)   |
| YUV                                 | 224.1110, 15.2283,<br>15.6887 |
| Hunter-Lab                          | 84.6748, 15.1492,<br>-13.7964 |

# Details

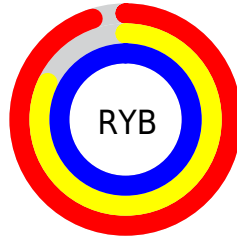
The Yxy color **71.6982, 0.3056, 0.2828** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.6345, 0.3185, 0.3772**, and the grayscale version is **74.5161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.6275, 0.3041, 0.2725** is the 20% darker color. If you saturate the color by 10%, you get **58.9302, 0.3006, 0.2556**, and if you desaturate by 10%, it is **86.5244, 0.3098, 0.3090**.

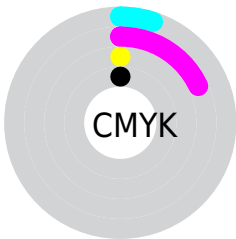
# Distribution



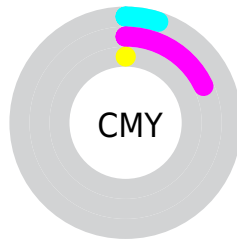
- Red (95%)
- Green (82%)
- Blue (100%)



- Red (95%)
- Yellow (82%)
- Blue (100%)



- Cyan (5%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6982, 0.3056, 0.2828 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 71.6982, 0.3056, 0.2828 by changing the saturation by 10% instead.



 71.6982, 0.3056,  
0.2828

 71.6982, 0.3056,  
0.2828

466.4905, 0.3092,  
0.3035

 52.9122, 0.3047,  
0.2782


121.6274, 0.3069,  
0.2898

 37.7327, 0.3036,  
0.2727


153.5393, 0.3074,  
0.2926

 25.7753, 0.3022,  
0.2658


190.5953, 0.3078,  
0.2950

 16.6556, 0.3002,  
0.2570

233.1798, 0.3081,  
0.2971

 9.9892, 0.2974,  
0.2455

281.6771, 0.3085,  
0.2990

 5.3918, 0.2932,  
0.2295

336.4718, 0.3087,

 2.4789, 0.2862,

0.3006

0.2064

397.9481, 0.3090,  
0.3021

0.8661, 0.2731,  
0.1703

0.0000, 0.1975,  
0.0000

71.6982, 0.3056,  
0.2828

71.6982, 0.3056,  
0.2828

58.9302, 0.3006,  
0.2556

86.5244, 0.3098,  
0.3090

48.1157, 0.2948,  
0.2281

99.9993, 0.3127,  
0.3290

39.1542, 0.2883,  
0.2014

31.9328, 0.2811,  
0.1766

■ 26.3259, 0.2736,  
0.1548

■ 22.1905, 0.2658,  
0.1371

■ 19.3581, 0.2582,  
0.1243

■ 17.6000, 0.2508,  
0.1161

■ 17.3178, 0.2494,  
0.1148

# Harmonies

## Analogous

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



71.6982, 0.2762, 0.2758



71.6982, 0.3056, 0.2828



71.6982, 0.3384, 0.3005

# Triad

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



71.6982, 0.3056, 0.2828



71.6982, 0.3706, 0.3747



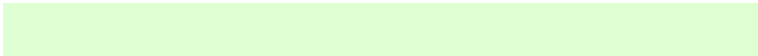
71.6982, 0.2626, 0.3295

# Complementary

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



71.6982, 0.3056, 0.2828



91.6345, 0.3185, 0.3772

# 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.



71.6982, 0.2859, 0.3600



71.6982, 0.3056, 0.2828



71.6982, 0.3483, 0.3865

# Square

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



71.6982, 0.3056, 0.2828



71.6982, 0.3771, 0.3520



71.6982, 0.3172, 0.3816



71.6982, 0.2524, 0.3007



# Rectangle

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



71.6982, 0.3056, 0.2828



71.6982, 0.3575, 0.3165



71.6982, 0.3172, 0.3816



71.6982, 0.2691, 0.3400

# Sweetspot

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



71.7013, 0.3056, 0.2828



91.4592, 0.3110, 0.3167



73.0281, 0.2836, 0.2939



19.3285, 0.3107, 0.3149



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.



71.7013, 0.3056, 0.2828



66.4095, 0.3037, 0.2721



73.4480, 0.3217, 0.2934



18.0285, 0.3093, 0.3053



9.1288, 0.2506, 0.1154



0.9439, 0.2588, 0.1200



# Inverse Universe

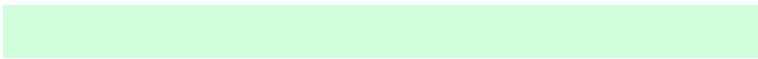
The Inverse Universe completely reimagines the original color for something new.



72.1243, 0.3383, 0.3160



66.9508, 0.3453, 0.3130



90.1790, 0.3049, 0.3674



18.0711, 0.3250, 0.3223



11.3733, 0.5833, 0.2987

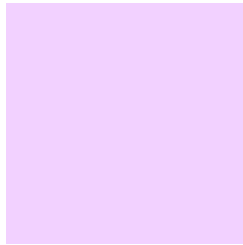


1.1251, 0.5514, 0.2811



# Previews

## White Background



This preview shows how the Yxy color 71.6982, 0.3056, 0.2828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

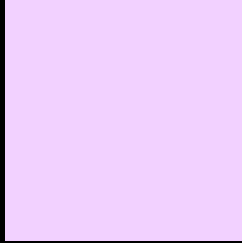
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6982, 0.3056, 0.2828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

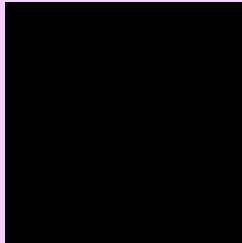
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

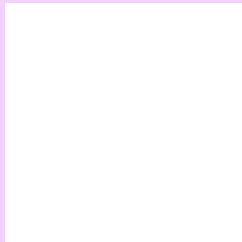
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.6982, 0.3056, 0.2828**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6982, 0.3056, 0.2828.

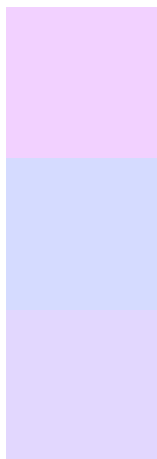


This preview shows how white text looks on a background with the Yxy color 71.6982, 0.3056, 0.2828.

# 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

71.6982, 0.3056, 0.2828

### Protanopia

72.0292, 0.2860, 0.2909

### Deuteranopia

71.9254, 0.2951, 0.2886



## Tritanopia

71.4788, 0.3194, 0.3113

# Trichromacy



## Original Color

71.6982, 0.3056, 0.2828

## Protanomaly

71.6682, 0.2931, 0.2874

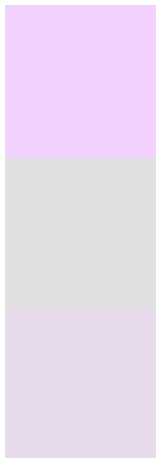
## Deuteranomaly

71.9001, 0.2992, 0.2870

## Tritanomaly

71.6697, 0.3140, 0.3012

# Monochromacy



## Original Color

71.6982, 0.3056, 0.2828

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

73.6501, 0.3107, 0.3122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6982, 0.3056, 0.2828 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(242, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 209, 255)  
}
```

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(242, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 209, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6982, 0.3056, 0.2828 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(242, 209, 255) }
```

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

```
.border{ border-color:rgb(242, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 209, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 209, 255); box-shadow:4px 4px 4px 4px rgb(242, 209, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6982, 0.3056, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 209, 255) }
```

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

```
.background{ background-color: rgb(242,  
209, 255) }
```

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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