

# Converting Colors

$Y_{xy}(71.8782, 0.3264, 0.2971)$

Have a look what the booklet for  
Yxy(71.8782, 0.3264, 0.2971)  
contains.

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# Color

**Yxy(72.1176, 0.3261, 0.2972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCFEF
RGB	255, 207, 239
RGB Percent	100%, 81%, 94%
CMY	0.0000, 0.1882, 0.0628
CMYK	0.00, 0.19, 0.06, 0.00
HSL	320°, 100%, 91%
HSV	320°, 19%, 100%
XYZ	79.1304, 72.1176, 91.4088
YIQ	225.0000, 18.3360, 20.1280

# Conversions

## Conversions Part 2

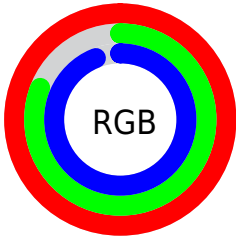
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 207, 239
Decimal	16764911
CIE Lab	88.03, 21.98, -9.32
CIE LCh	88, 23.877, 337.031
Yxy	72.1176, 0.3261, 0.2972
Android (android.graphics.Color)	4294954991 (0xFFFFCFEF)
YUV	225.0000, 6.9020, 26.3100
Hunter-Lab	84.9221, 17.7126, -4.3734

# Details

The Yxy color  $72.1176, 0.3261, 0.2972$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $90.1106, 0.3014, 0.3631$ , and the grayscale version is  $75.2363, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.8811, 0.3293, 0.2896$  is the 20% darker color. If you saturate the color by 10%, you get  $60.2555, 0.3351, 0.2796$ , and if you desaturate by 10%, it is  $86.0049, 0.3185, 0.3144$ .

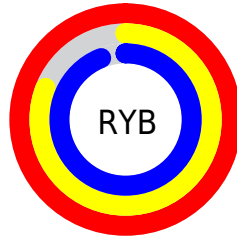
# Distribution



Red (100%)

Green (81%)

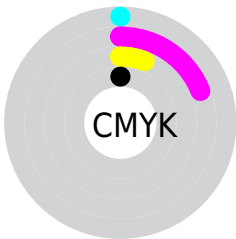
Blue (94%)



Red (100%)

Yellow (81%)

Blue (94%)

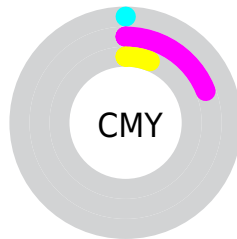


Cyan (0%)

Magenta (19%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1176, 0.3261, 0.2972 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 72.1176, 0.3261, 0.2972 by changing the saturation by 10% instead.



 72.1176, 0.3261,  
0.2972

 72.1176, 0.3261,  
0.2972

467.9508, 0.3201,  
0.3115

 53.2547, 0.3274,  
0.2940


122.2237, 0.3240,  
0.3021

 38.0062, 0.3291,  
0.2901


154.2358, 0.3232,  
0.3040

 25.9875, 0.3311,  
0.2852


191.3997, 0.3225,  
0.3057

 16.8143, 0.3337,  
0.2790

234.0998, 0.3219,  
0.3072

 10.1022, 0.3372,  
0.2706

282.7206, 0.3214,  
0.3085

 5.4667, 0.3420,  
0.2590


337.6465, 0.3209,


 2.5236, 0.3491,


0.3096


0.2416


399.2617, 0.3205,  
0.3106

 0.8884, 0.3607,  
0.2130


 0.0000, 0.4431,  
0.0000

 72.1176, 0.3261,  
0.2972


 72.1176, 0.3261,  
0.2972


 60.2555, 0.3351,  
0.2796

 86.0049, 0.3185,  
0.3144

 50.3131, 0.3455,  
0.2621

99.9988, 0.3127,  
0.3290

 42.1898, 0.3573,  
0.2457

 35.7721, 0.3704,  
0.2312

■ 30.9333, 0.3845,  
0.2199

■ 27.5292, 0.3992,  
0.2129

■ 25.3888, 0.4140,  
0.2108

■ 24.2645, 0.4282,  
0.2137

■ 24.1609, 0.4299,  
0.2142

# Harmonies

## Analogous

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



72.1176, 0.2969, 0.2842



72.1176, 0.3261, 0.2972



72.1176, 0.3526, 0.3179

# Triad

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



72.1176, 0.3261, 0.2972



72.1176, 0.3525, 0.3783



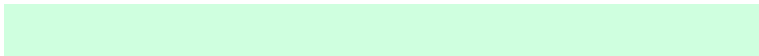
72.1176, 0.2602, 0.3119

# Complementary

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



72.1176, 0.3261, 0.2972



90.1106, 0.3014, 0.3631

# 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.



72.1176, 0.2737, 0.3389



72.1176, 0.3261, 0.2972



72.1176, 0.3266, 0.3789

# Square

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



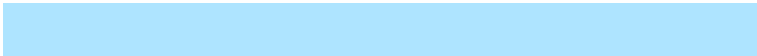
72.1176, 0.3261, 0.2972



72.1176, 0.3681, 0.3641



72.1176, 0.2978, 0.3643



72.1176, 0.2600, 0.2913



# Rectangle

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



72.1176, 0.3261, 0.2972



72.1176, 0.3647, 0.3339



72.1176, 0.2978, 0.3643



72.1176, 0.2633, 0.3205

# Sweetspot

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



72.1208, 0.3261, 0.2972



90.2995, 0.3165, 0.3192



67.5383, 0.2923, 0.2788



19.1118, 0.3170, 0.3181



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.



72.1208, 0.3261, 0.2972



66.9221, 0.3297, 0.2898



70.7955, 0.3437, 0.3210



18.1914, 0.3189, 0.3133



12.6542, 0.4277, 0.2130



1.2524, 0.4123, 0.2045



# Inverse Universe

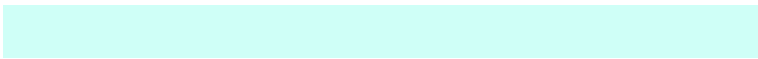
The Inverse Universe completely reimagines the original color for something new.



72.1208, 0.3261, 0.2972



66.9221, 0.3297, 0.2898



91.4978, 0.2885, 0.3372



18.1914, 0.3189, 0.3133



12.6542, 0.4277, 0.2130



1.2524, 0.4123, 0.2045



# Previews

## White Background



This preview shows how the Yxy color 72.1176, 0.3261, 0.2972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

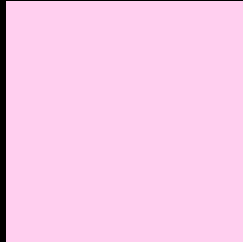
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1176, 0.3261, 0.2972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

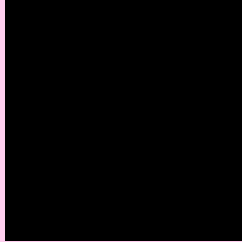
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1176, 0.3261, 0.2972**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1176, 0.3261, 0.2972.



This preview shows how white text looks on a background with the Yxy color 72.1176, 0.3261, 0.2972.

# 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

72.1176, 0.3261, 0.2972

### Protanopia

72.1301, 0.2934, 0.2992

### Deuteranopia

72.4361, 0.3117, 0.3051



## Tritanopia

71.9746, 0.3338, 0.3119

# Trichromacy



## Original Color

72.1176, 0.3261, 0.2972

## Protanomaly

72.1215, 0.3049, 0.2988

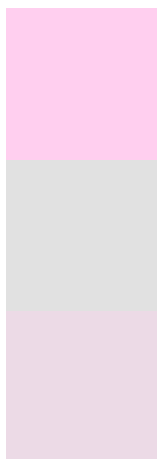
## Deuteranomaly

72.1373, 0.3169, 0.3024

## Tritanomaly

71.9521, 0.3310, 0.3059

# Monochromacy



## Original Color

72.1176, 0.3261, 0.2972

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

73.6888, 0.3176, 0.3165

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1176, 0.3261, 0.2972 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, 207, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 239)  
}
```

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, 207, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1176, 0.3261, 0.2972 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, 207, 239) }
```

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

```
.border{ border-color:rgb(255, 207, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
239) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.1176, 0.3261, 0.2972$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 239) }
```

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

```
.background{ background-color: rgb(255,  
207, 239) }
```

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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