

# Converting Colors

$Y_{xy}(100.0000, 0.4056, 0.2917)$

Have a look what the booklet for  
Yxy(100.0000, 0.4056, 0.2917)  
contains.

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# Color

**Yxy(69.1351, 0.3174, 0.2769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7FC
RGB	255, 199, 252
RGB Percent	100%, 78%, 99%
CMY	0.0000, 0.2197, 0.0116
CMYK	0.00, 0.22, 0.01, 0.00
HSL	303°, 100%, 89%
HSV	303°, 22%, 100%
XYZ	79.2470, 69.1351, 101.2933
YIQ	221.7860, 16.3630, 28.3550

# Conversions

## Conversions Part 2

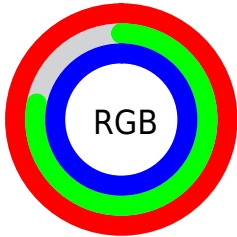
Format	Color
R <sub>Y</sub> B	255, 199, 252
Decimal	16762876
CIE Lab	86.57, 28.48, -18.39
CIE LCh	87, 33.907, 327.146
Yxy	69.1351, 0.3174, 0.2769
Android (android.graphics.Color)	4294952956 (0xFFFFC7FC)
YUV	221.7860, 14.8955, 29.1287
Hunter-Lab	83.1475, 24.6182, -14.0259

# Details

The Yxy color  $69.1351, 0.3174, 0.2769$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $87.9224, 0.3082, 0.3873$ , and the grayscale version is  $72.7695, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.1967, 0.3186, 0.2665$  is the 20% darker color. If you saturate the color by 10%, you get  $58.2802, 0.3198, 0.2531$ , and if you desaturate by 10%, it is  $81.9506, 0.3151, 0.3009$ .

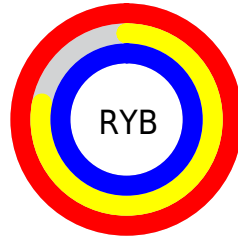
# Distribution



Red (100%)

Green (78%)

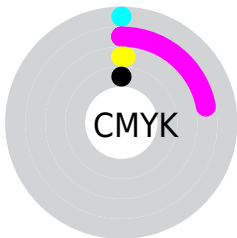
Blue (99%)



Red (100%)

Yellow (78%)

Blue (99%)

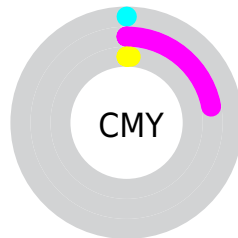


Cyan (0%)

Magenta (22%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1351, 0.3174, 0.2769 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 69.1351, 0.3174, 0.2769 by changing the saturation by 10% instead.




 69.1351, 0.3174,  
0.2769

 69.1351, 0.3174,  
0.2769


457.5073, 0.3157,  
0.3001

 50.8217, 0.3177,  
0.2718

117.9745, 0.3169,  
0.2848

 36.0668, 0.3180,  
0.2656


149.2694, 0.3167,  
0.2879

 24.4858, 0.3184,  
0.2579

185.6602, 0.3164,  
0.2906

 15.6944, 0.3187,  
0.2481

227.5313, 0.3163,  
0.2930

 9.3081, 0.3189,  
0.2352

275.2672, 0.3161,  
0.2951

 4.9427, 0.3189,  
0.2176


329.2523, 0.3159,


 2.2137, 0.3180,


0.2970


0.1922


389.8708, 0.3158,  
0.2986


 0.7274, 0.3150,  
0.1515


 0.0000, 0.2771,  
0.0000


 69.1351, 0.3174,  
0.2769


 69.1351, 0.3174,  
0.2769

 58.2802, 0.3198,  
0.2531

 81.9506, 0.3151,  
0.3009

 49.2969, 0.3223,  
0.2303

 96.8268, 0.3131,  
0.3245

 42.0761, 0.3248,  
0.2096

100.0000, 0.3127,  
0.3290

 36.5006, 0.3272,  
0.1919

■ 32.4394, 0.3296,  
0.1780

■ 29.7414, 0.3317,  
0.1685

■ 28.2244, 0.3336,  
0.1634

■ 27.6416, 0.3349,  
0.1619

# Harmonies

## Analogous

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



69.1351, 0.2773, 0.2631



69.1351, 0.3174, 0.2769



69.1351, 0.3587, 0.3024

# Triad

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



69.1351, 0.3174, 0.2769



69.1351, 0.3790, 0.3942



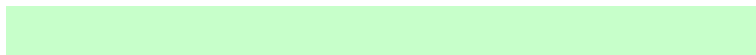
69.1351, 0.2426, 0.3155

# Complementary

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



69.1351, 0.3174, 0.2769



87.9224, 0.3082, 0.3873

# 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.



69.1351, 0.2667, 0.3563



69.1351, 0.3174, 0.2769



69.1351, 0.3451, 0.4040

# Square

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



69.1351, 0.3174, 0.2769



69.1351, 0.3953, 0.3681



69.1351, 0.3039, 0.3904



69.1351, 0.2363, 0.2824



# Rectangle

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



69.1351, 0.3174, 0.2769



69.1351, 0.3804, 0.3237



69.1351, 0.3039, 0.3904



69.1351, 0.2488, 0.3289

# Sweetspot

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



69.1321, 0.3174, 0.2769



89.0746, 0.3141, 0.3127



60.5886, 0.2773, 0.2677



18.8744, 0.3142, 0.3113



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.



69.1321, 0.3174, 0.2769



64.5225, 0.3183, 0.2672



67.4938, 0.3379, 0.3035



18.2828, 0.3146, 0.3068



14.4505, 0.3347, 0.1617



1.4119, 0.3329, 0.1608



# Inverse Universe

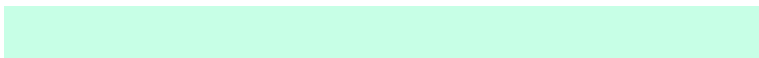
The Inverse Universe completely reimagines the original color for something new.



69.1321, 0.3174, 0.2769



64.5225, 0.3183, 0.2672



89.3621, 0.2931, 0.3560



18.2828, 0.3146, 0.3068



14.4505, 0.3347, 0.1617



1.4119, 0.3329, 0.1608



# Previews

## White Background



This preview shows how the Yxy color 69.1351, 0.3174, 0.2769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

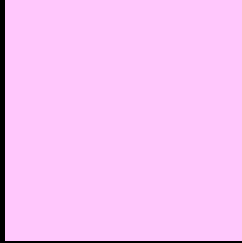
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1351, 0.3174, 0.2769 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 69.1351, 0.3174, 0.2769**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1351, 0.3174, 0.2769.



This preview shows how white text looks on a background with the Yxy color 69.1351, 0.3174, 0.2769.

# 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

69.1351, 0.3174, 0.2769

### Protanopia

69.2308, 0.2825, 0.2861

### Deuteranopia

69.5187, 0.2948, 0.2890



## Tritanopia

69.3923, 0.3364, 0.3127

# Trichromacy



## Original Color

69.1351, 0.3174, 0.2769



## Protanomaly

68.7642, 0.2943, 0.2821



## Deuteranomaly

69.0831, 0.3025, 0.2838



## Tritanomaly

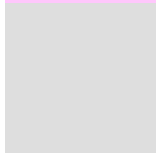
69.2335, 0.3293, 0.2997

# Monochromacy



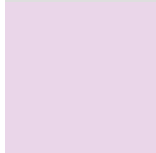
## Original Color

69.1351, 0.3174, 0.2769



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

71.4688, 0.3144, 0.3091

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1351, 0.3174, 0.2769 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, 199, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 252)  
}
```

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, 199, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1351, 0.3174, 0.2769 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, 199, 252) }
```

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

```
.border{ border-color:rgb(255, 199, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1351, 0.3174, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 252) }
```

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

```
.background{ background-color: rgb(255,  
199, 252) }
```

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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