

# Converting Colors

Yxy(76.9164, 0.3127, 0.2945)

Have a look what the booklet for  
Yxy(76.9164, 0.3127, 0.2945)  
contains.

<b>Yxy(76.9780, 0.3129, 0.2945)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.9780, 0.3129, 0.2945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAD9FC
RGB	250, 217, 252
RGB Percent	98%, 85%, 99%
CMY	0.0199, 0.1489, 0.0119
CMYK	0.01, 0.14, 0.00, 0.01
HSL	297°, 85%, 92%
HSV	297°, 14%, 99%
XYZ	81.7875, 76.9780, 102.6199
YIQ	230.8570, 8.4330, 17.8810

# Conversions

## Conversions Part 2

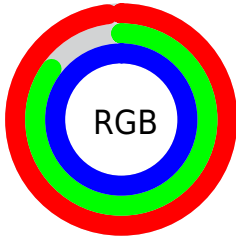
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 217, 252
Decimal	16439804
CIE Lab	90.31, 17.34, -12.79
CIE LCh	90, 21.546, 323.574
Yxy	76.9780, 0.3129, 0.2945
Android (android.graphics.Color)	4294629884 (0xFFFAD9FC)
YUV	230.8570, 10.4235, 16.7884
Hunter-Lab	87.7371, 12.8556, -7.9314

# Details

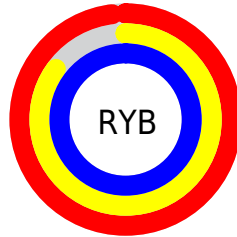
The Yxy color **76.9780, 0.3129, 0.2945** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.6861, 0.3123, 0.3658**, and the grayscale version is **79.7127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1182, 0.3128, 0.2874** is the 20% darker color. If you saturate the color by 10%, you get **64.6958, 0.3129, 0.2690**, and if you desaturate by 10%, it is **91.2521, 0.3128, 0.3196**.

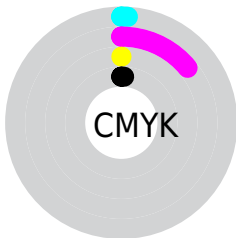
# Distribution



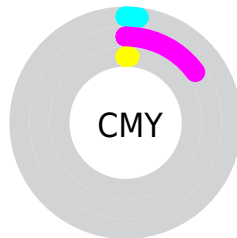
- Red (98%)
- Green (85%)
- Blue (99%)



- Red (98%)
- Yellow (85%)
- Blue (99%)



- Cyan (1%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)




- Cyan (2%)
- Magenta (15%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9780, 0.3129, 0.2945 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 76.9780, 0.3129, 0.2945 by changing the saturation by 10% instead.




 76.9780, 0.3129,  
0.2945

 76.9780, 0.3129,  
0.2945


484.6890, 0.3130,  
0.3099

 57.2348, 0.3128,  
0.2911

129.1084, 0.3130,  
0.2997

 41.1938, 0.3127,  
0.2870


162.2645, 0.3130,  
0.3018

 28.4705, 0.3126,  
0.2819


200.6602, 0.3130,  
0.3036

 18.6807, 0.3124,  
0.2754

244.6801, 0.3130,  
0.3051

 11.4398, 0.3119,  
0.2668

294.7086, 0.3130,  
0.3065

 6.3634, 0.3112,  
0.2551

351.1299, 0.3130,

 3.0673, 0.3098,

0.3078

414.3286, 0.3130,  
0.3089

0.2378

1.1670, 0.3066,  
0.2105

0.0345, 0.3206,  
0.0242

76.9780, 0.3129,  
0.2945

76.9780, 0.3129,  
0.2945

64.6958, 0.3129,  
0.2690

91.2521, 0.3128,  
0.3196

54.3059, 0.3126,  
0.2437

99.4055, 0.3131,  
0.3319

45.7152, 0.3122,  
0.2196

99.6819, 0.3140,  
0.3319

38.8185, 0.3116,  
0.1977

99.8066, 0.3145,  
0.3319

■ 33.5000, 0.3107,  
0.1790

■ 29.6293, 0.3096,  
0.1643

■ 27.0550, 0.3084,  
0.1540

■ 25.5924, 0.3070,  
0.1480

■ 25.0822, 0.3061,  
0.1460

# Harmonies

## Analogous

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



76.9780, 0.2884, 0.2869



76.9780, 0.3129, 0.2945



76.9780, 0.3383, 0.3103

# Triad

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



76.9780, 0.3129, 0.2945



76.9780, 0.3556, 0.3682



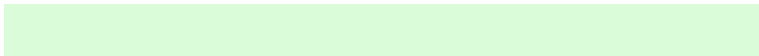
76.9780, 0.2702, 0.3244

# Complementary

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



76.9780, 0.3129, 0.2945



89.6861, 0.3123, 0.3658

# 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.



76.9780, 0.2869, 0.3485



76.9780, 0.3129, 0.2945



76.9780, 0.3361, 0.3743

# Square

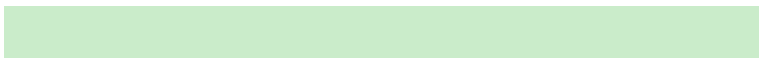
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



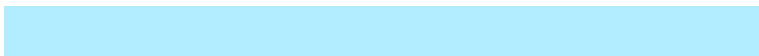
76.9780, 0.3129, 0.2945



76.9780, 0.3634, 0.3521



76.9780, 0.3109, 0.3672



76.9780, 0.2645, 0.3029



# Rectangle

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



76.9780, 0.3129, 0.2945



76.9780, 0.3520, 0.3238



76.9780, 0.3109, 0.3672



76.9780, 0.2747, 0.3325

# Sweetspot

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



76.9813, 0.3129, 0.2945



93.5514, 0.3128, 0.3192



72.6350, 0.2905, 0.2946



19.7724, 0.3128, 0.3174



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.



76.9813, 0.3129, 0.2945



74.9164, 0.3129, 0.2865



76.4373, 0.3245, 0.3092



17.4701, 0.3129, 0.3056



13.0916, 0.3063, 0.1461



1.2277, 0.3082, 0.1471



# Inverse Universe

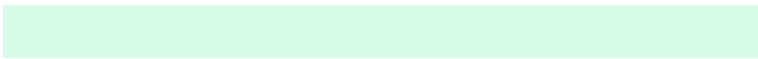
The Inverse Universe completely reimagines the original color for something new.



75.4507, 0.3370, 0.3270



73.0362, 0.3436, 0.3265



90.1968, 0.3024, 0.3496



17.2416, 0.3285, 0.3277



10.8046, 0.6341, 0.3267



1.0063, 0.6199, 0.3188



# Previews

## White Background



This preview shows how the Yxy color 76.9780, 0.3129, 0.2945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

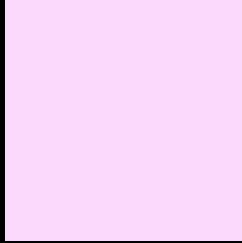
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9780, 0.3129, 0.2945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

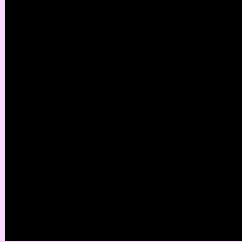
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

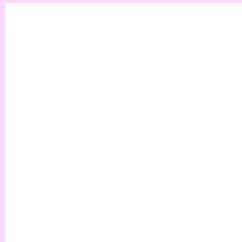
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.9780, 0.3129, 0.2945**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9780, 0.3129, 0.2945.

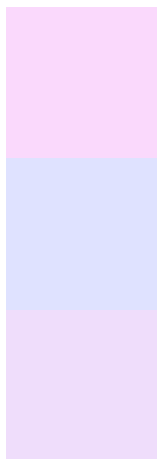


This preview shows how white text looks on a background with the Yxy color 76.9780, 0.3129, 0.2945.

# 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

76.9780, 0.3129, 0.2945

### Protanopia

77.3007, 0.2927, 0.2990

### Deuteranopia

77.0287, 0.3058, 0.2987



## Tritanopia

77.2573, 0.3213, 0.3119

# Trichromacy



## Original Color

76.9780, 0.3129, 0.2945

## Protanomaly

77.2547, 0.2999, 0.2975

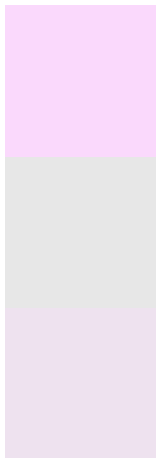
## Deuteranomaly

77.2061, 0.3086, 0.2979

## Tritanomaly

77.2136, 0.3188, 0.3060

# Monochromacy



## Original Color

76.9780, 0.3129, 0.2945

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

78.8019, 0.3126, 0.3157

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9780, 0.3129, 0.2945 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, 217, 252)` looks like.

```
.text, #text, p{  
    color:rgb(250, 217, 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(250, 217, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 217, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9780, 0.3129, 0.2945 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, 217, 252) }
```

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

```
.border{ border-color:rgb(250, 217, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 217, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 217, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 217, 252);  
box-shadow:4px 4px 4px 4px rgb(250, 217,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9780, 0.3129, 0.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 217, 252) }
```

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

```
.background{ background-color: rgb(250,  
217, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor