

# Converting Colors

$Y_{xy}(80.1241, 0.3080, 0.2984)$

Have a look what the booklet for  
Yxy(80.1241, 0.3080, 0.2984)  
contains.

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# Color

**Yxy(80.1241, 0.3080, 0.2984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E0FF
RGB	246, 224, 255
RGB Percent	96%, 88%, 100%
CMY	0.0354, 0.1215, 0.0001
CMYK	0.04, 0.12, 0.00, 0.00
HSL	283°, 100%, 94%
HSV	283°, 12%, 100%
XYZ	82.7018, 80.1241, 105.6865
YIQ	234.1120, 3.1610, 14.3050

# Conversions

## Conversions Part 2

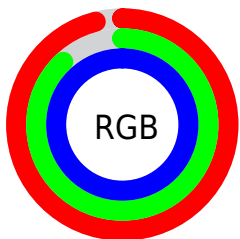
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 224, 255
Decimal	16179455
CIE Lab	91.74, 12.94, -12.26
CIE LCh	92, 17.830, 316.542
Yxy	80.1241, 0.3080, 0.2984
Android (android.graphics.Color)	4294369535 (0xFFFF6E0FF)
YUV	234.1120, 10.2978, 10.4258
Hunter-Lab	89.5121, 8.2733, -7.3450

# Details

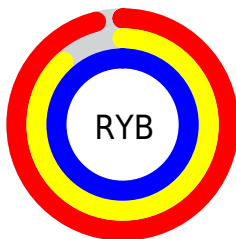
The Yxy color **80.1241, 0.3080, 0.2984** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **94.2070, 0.3168, 0.3604**, and the grayscale version is **82.2869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4003, 0.3074, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **66.1213, 0.3033, 0.2717**, and if you desaturate by 10%, it is **96.2421, 0.3120, 0.3238**.

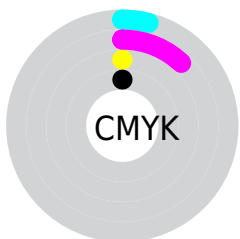
# Distribution



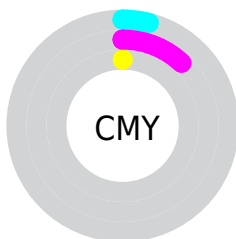
- Red (96%)
- Green (88%)
- Blue (100%)



- Red (96%)
- Yellow (88%)
- Blue (100%)



- Cyan (4%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1241, 0.3080, 0.2984 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 80.1241, 0.3080, 0.2984 by changing the saturation by 10% instead.



 80.1241, 0.3080,  
0.2984

 80.1241, 0.3080,  
0.2984


495.3510, 0.3103,  
0.3120

 59.8205, 0.3075,  
0.2954


133.5402, 0.3088,  
0.3030

 43.2740, 0.3068,  
0.2918


167.4215, 0.3091,  
0.3048

 30.1001, 0.3059,  
0.2873


206.5974, 0.3094,  
0.3064

 19.9146, 0.3048,  
0.2816

251.4524, 0.3096,  
0.3078

 12.3330, 0.3032,  
0.2740

302.3709, 0.3098,  
0.3090

 6.9709, 0.3009,  
0.2636

359.7372, 0.3100,

 3.4439, 0.2972,

0.3101

0.2485

423.9357, 0.3101,  
0.3111

■ 1.3676, 0.2905,  
0.2246

■ 0.1927, 0.2831,  
0.1093

■ 80.1241, 0.3080,  
0.2984

■ 80.1241, 0.3080,  
0.2984

■ 66.1213, 0.3033,  
0.2717

■ 96.2421, 0.3120,  
0.3238

■ 54.1316, 0.2977,  
0.2442

99.9980, 0.3127,  
0.3290

■ 44.0597, 0.2914,  
0.2168

■ 35.7987, 0.2844,  
0.1905

■ 29.2307, 0.2768,  
0.1666

■ 24.2237, 0.2688,  
0.1462

■ 20.6256, 0.2608,  
0.1303

■ 18.2528, 0.2531,  
0.1193

■ 17.0331, 0.2472,  
0.1135

# Harmonies

## Analogous

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



80.1241, 0.2888, 0.2941



80.1241, 0.3080, 0.2984



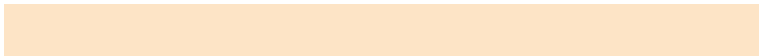
80.1241, 0.3290, 0.3101

# Triad

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



80.1241, 0.3080, 0.2984



80.1241, 0.3502, 0.3587



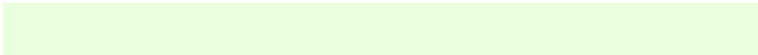
80.1241, 0.2803, 0.3300

# Complementary

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



80.1241, 0.3080, 0.2984



94.2070, 0.3168, 0.3604

# 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.



80.1241, 0.2959, 0.3490



80.1241, 0.3080, 0.2984



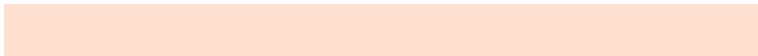
80.1241, 0.3363, 0.3657

# Square

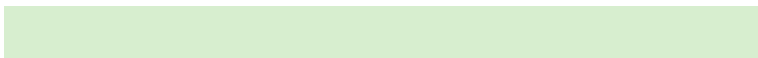
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



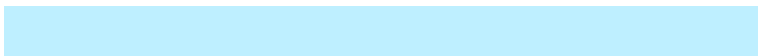
80.1241, 0.3080, 0.2984



80.1241, 0.3539, 0.3443



80.1241, 0.3163, 0.3623



80.1241, 0.2733, 0.3115



# Rectangle

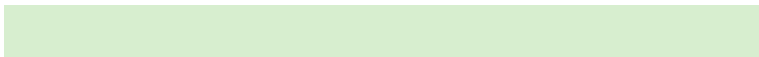
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1241, 0.3080, 0.2984



80.1241, 0.3412, 0.3208



80.1241, 0.3163, 0.3623



80.1241, 0.2847, 0.3366

# Sweetspot

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



80.1275, 0.3080, 0.2984



93.1064, 0.3113, 0.3192



81.5170, 0.2936, 0.3068



19.6595, 0.3110, 0.3173



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.



80.1275, 0.3080, 0.2984



75.9308, 0.3067, 0.2909



81.4000, 0.3181, 0.3048



18.0199, 0.3091, 0.3052



8.9829, 0.2484, 0.1142



0.9306, 0.2569, 0.1189



# Inverse Universe

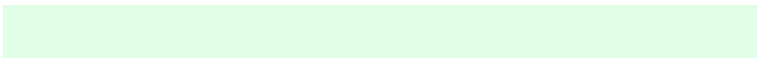
The Inverse Universe completely reimagines the original color for something new.



80.4578, 0.3286, 0.3201



76.3504, 0.3330, 0.3179



93.0746, 0.3077, 0.3544



18.0738, 0.3248, 0.3221



11.3898, 0.5802, 0.2970

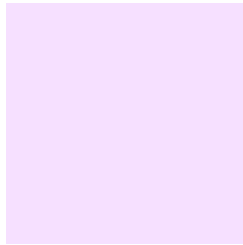


1.1270, 0.5482, 0.2794



# Previews

## White Background



This preview shows how the Yxy color 80.1241, 0.3080, 0.2984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

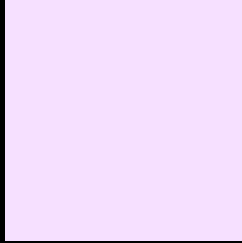
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1241, 0.3080, 0.2984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

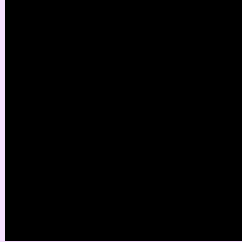
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

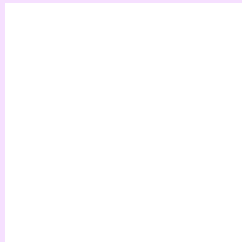
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.1241, 0.3080, 0.2984**

## Background



This preview shows how black text looks on a background with the Yxy color 80.1241, 0.3080, 0.2984.

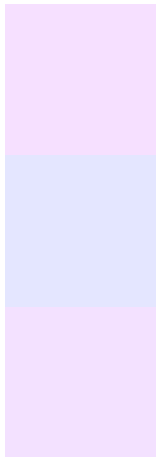


This preview shows how white text looks on a background with the Yxy color 80.1241, 0.3080, 0.2984.

# 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

80.1241, 0.3080, 0.2984

### Protanopia

80.3076, 0.2960, 0.3035

### Deuteranopia

80.1251, 0.3059, 0.2992



## Tritanopia

80.1575, 0.3136, 0.3109

# Trichromacy



## Original Color

80.1241, 0.3080, 0.2984

## Protanomaly

80.3690, 0.3006, 0.3018

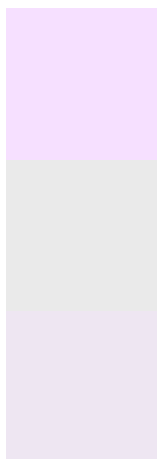
## Deuteranomaly

80.3035, 0.3066, 0.2992

## Tritanomaly

80.0402, 0.3117, 0.3061

# Monochromacy



## Original Color

80.1241, 0.3080, 0.2984

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.1816, 0.3106, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1241, 0.3080, 0.2984 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(246, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 224, 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(246, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 224, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1241, 0.3080, 0.2984 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(246, 224, 255) }
```

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

```
.border{ border-color:rgb(246, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 224,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1241, 0.3080, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 224, 255) }
```

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

```
.background{ background-color: rgb(246,  
224, 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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