

# Converting Colors

$Yxy(97.8546, 0.3718, 0.3090)$

Have a look what the booklet for  
Yxy(97.8546, 0.3718, 0.3090)  
contains.

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# **Color**

**Yxy(80.8127, 0.3187, 0.3046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFF8
RGB	255, 223, 248
RGB Percent	100%, 87%, 97%
CMY	0.0002, 0.1254, 0.0275
CMYK	0.00, 0.13, 0.03, 0.00
HSL	313°, 100%, 94%
HSV	313°, 13%, 100%
XYZ	84.5535, 80.8127, 99.9414
YIQ	235.4180, 11.0470, 14.5590

# Conversions

## Conversions Part 2

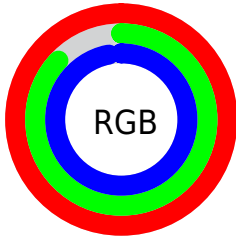
Format	Color
R <sub>Y</sub> B	255, 223, 248
Decimal	16769016
CIE Lab	92.05, 15.15, -8.08
CIE LCh	92, 17.171, 331.937
Yxy	80.8127, 0.3187, 0.3046
Android (android.graphics.Color)	4294959096 (0xFFFFDFF8)
YUV	235.4180, 6.2029, 17.1734
Hunter-Lab	89.8959, 10.5743, -2.9883

# Details

The Yxy color  $80.8127, 0.3187, 0.3046$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $92.8873, 0.3072, 0.3547$ , and the grayscale version is  $83.3562, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $43.8168, 0.3195, 0.2991$  is the 20% darker color. If you saturate the color by 10%, you get  $67.8617, 0.3243, 0.2844$ , and if you desaturate by 10%, it is  $95.8320, 0.3138, 0.3242$ .

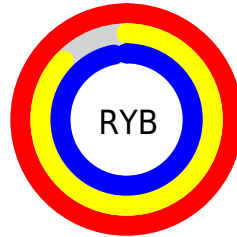
# Distribution



Red (100%)

Green (87%)

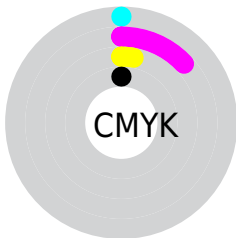
Blue (97%)



Red (100%)

Yellow (87%)

Blue (97%)

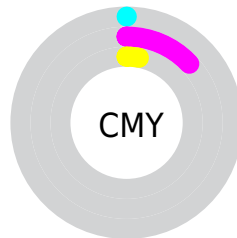


Cyan (0%)

Magenta (13%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8127, 0.3187, 0.3046 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 80.8127, 0.3187, 0.3046 by changing the saturation by 10% instead.



 80.8127, 0.3187,  
0.3046

 80.8127, 0.3187,  
0.3046

497.6675, 0.3161,  
0.3155

 60.3874, 0.3193,  
0.3022

134.5077, 0.3178,  
0.3083

 43.7309, 0.3199,  
0.2993


168.5462, 0.3175,  
0.3097

 30.4590, 0.3208,  
0.2957


207.8912, 0.3172,  
0.3110

 20.1873, 0.3218,  
0.2911

252.9271, 0.3169,  
0.3121

 12.5312, 0.3232,  
0.2851

304.0383, 0.3167,  
0.3131

 7.1066, 0.3250,  
0.2767

361.6091, 0.3165,

 3.5288, 0.3276,

0.3140

0.2644

426.0241, 0.3163,  
0.3148

■ 1.4137, 0.3316,  
0.2448

■ 0.2268, 0.3605,  
0.1396

■ 80.8127, 0.3187,  
0.3046

■ 80.8127, 0.3187,  
0.3046

■ 67.8617, 0.3243,  
0.2844

■ 95.8320, 0.3138,  
0.3242

■ 56.8771, 0.3308,  
0.2641

99.9890, 0.3127,  
0.3290

■ 47.7640, 0.3380,  
0.2444

■ 40.4154, 0.3460,  
0.2264

■ 34.7138, 0.3544,  
0.2110

■ 30.5271, 0.3632,  
0.1993

■ 27.7029, 0.3719,  
0.1920

■ 26.0567, 0.3804,  
0.1895

■ 25.3923, 0.3865,  
0.1903

# Harmonies

## Analogous

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



80.8127, 0.2987, 0.2966



80.8127, 0.3187, 0.3046



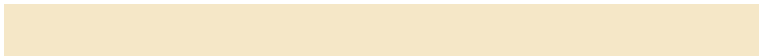
80.8127, 0.3376, 0.3187

# Triad

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



80.8127, 0.3187, 0.3046



80.8127, 0.3429, 0.3621



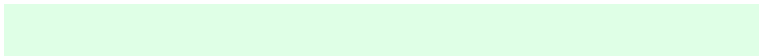
80.8127, 0.2769, 0.3205

# Complementary

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



80.8127, 0.3187, 0.3046



92.8873, 0.3072, 0.3547

# 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.



80.8127, 0.2880, 0.3392



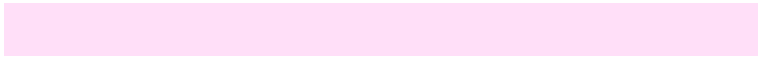
80.8127, 0.3187, 0.3046



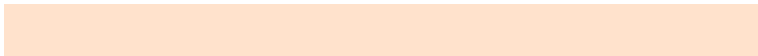
80.8127, 0.3259, 0.3638

# Square

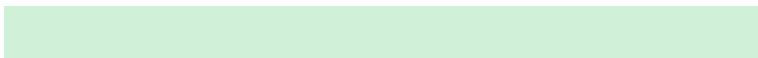
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



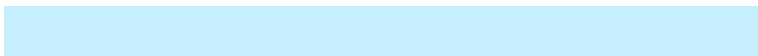
80.8127, 0.3187, 0.3046



80.8127, 0.3518, 0.3515



80.8127, 0.3059, 0.3554



80.8127, 0.2751, 0.3050



# Rectangle

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



80.8127, 0.3187, 0.3046



80.8127, 0.3468, 0.3299



80.8127, 0.3059, 0.3554



80.8127, 0.2797, 0.3266

# Sweetspot

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



80.8162, 0.3187, 0.3046



93.5216, 0.3145, 0.3214



76.8202, 0.2973, 0.2964



19.7649, 0.3149, 0.3199



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.



80.8162, 0.3187, 0.3046



77.4520, 0.3200, 0.2996



79.8696, 0.3294, 0.3201



18.2287, 0.3172, 0.3106



13.2980, 0.3852, 0.1896



1.3108, 0.3764, 0.1847



# Inverse Universe

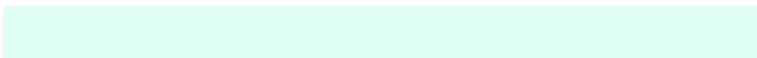
The Inverse Universe completely reimagines the original color for something new.



80.8162, 0.3187, 0.3046



77.4520, 0.3200, 0.2996



93.8230, 0.2984, 0.3381



18.2287, 0.3172, 0.3106



13.2980, 0.3852, 0.1896



1.3108, 0.3764, 0.1847



# Previews

## White Background



This preview shows how the Yxy color 80.8127, 0.3187, 0.3046 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 80.8127, 0.3187, 0.3046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

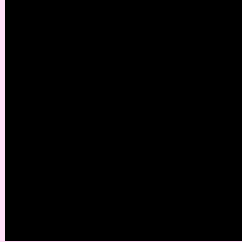
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.8127, 0.3187, 0.3046**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.8127, 0.3187, 0.3046.

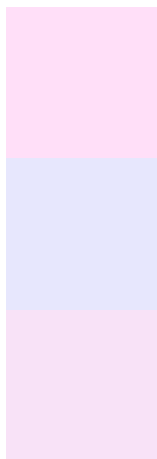


This preview shows how white text looks on a background with the Yxy color 80.8127, 0.3187, 0.3046.

# 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

80.8127, 0.3187, 0.3046

### Protanopia

81.2326, 0.2992, 0.3066

### Deuteranopia

81.0646, 0.3144, 0.3082



## Tritanopia

80.7929, 0.3219, 0.3113

# Trichromacy



## Original Color

80.8127, 0.3187, 0.3046

## Protanomaly

80.9771, 0.3064, 0.3059

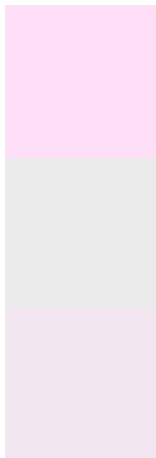
## Deuteranomaly

81.0751, 0.3165, 0.3073

## Tritanomaly

80.9138, 0.3206, 0.3094

# Monochromacy



## Original Color

80.8127, 0.3187, 0.3046

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.3203, 0.3145, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.8127, 0.3187, 0.3046 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, 223, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 248)  
}
```

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, 223, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 80.8127, 0.3187, 0.3046 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, 223, 248) }
```

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

```
.border{ border-color:rgb(255, 223, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 223, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.8127, 0.3187, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 248) }
```

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

```
.background{ background-color: rgb(255,  
223, 248) }
```

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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