

# Converting Colors

Yxy(84.8898, 0.3157, 0.3077)

Have a look what the booklet for  
Yxy(84.8898, 0.3157, 0.3077)  
contains.

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# Color

**Yxy(84.8819, 0.3157, 0.3077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6FC
RGB	255, 230, 252
RGB Percent	100%, 90%, 99%
CMY	0.0003, 0.0979, 0.0118
CMYK	0.00, 0.10, 0.01, 0.00
HSL	307°, 99%, 95%
HSV	307°, 10%, 100%
XYZ	87.0888, 84.8819, 103.8886
YIQ	239.9830, 7.8380, 12.1420

# Conversions

## Conversions Part 2

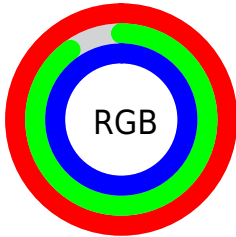
Format	Color
R <sub>Y</sub> B	255, 230, 252
Decimal	16770812
CIE Lab	93.83, 12.22, -7.53
CIE LCh	94, 14.354, 328.368
Yxy	84.8819, 0.3157, 0.3077
Android (android.graphics.Color)	4294960892 (0xFFFFE6FC)
YUV	239.9830, 5.9244, 13.1699
Hunter-Lab	92.1314, 7.5003, -2.3643

# Details

The Yxy color **84.8819, 0.3157, 0.3077** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.1863, 0.3099, 0.3513**, and the grayscale version is **87.0687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2180, 0.3166, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **71.5278, 0.3192, 0.2852**, and if you desaturate by 10%, it is **99.9874, 0.3127, 0.3290**.

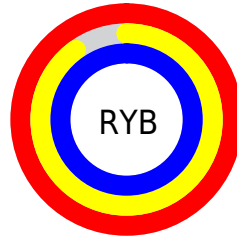
# Distribution



Red (100%)

Green (90%)

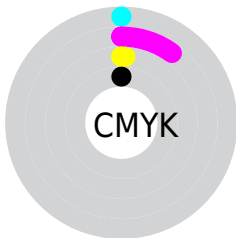
Blue (99%)



Red (100%)

Yellow (90%)

Blue (99%)

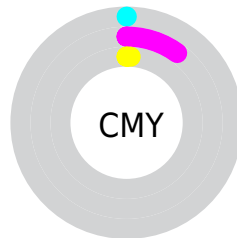


Cyan (0%)

Magenta (10%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8819, 0.3157, 0.3077 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 84.8819, 0.3157, 0.3077 by changing the saturation by 10% instead.




 84.8819, 0.3157,  
0.3077

 84.8819, 0.3157,  
0.3077


511.2372, 0.3144,  
0.3171

 63.7438, 0.3160,  
0.3056


140.2082, 0.3153,  
0.3109

 46.4432, 0.3163,  
0.3031

175.1651, 0.3151,  
0.3122

 32.5957, 0.3167,  
0.3000


215.4971, 0.3150,  
0.3133

 21.8169, 0.3171,  
0.2961

261.5886, 0.3148,  
0.3142

 13.7224, 0.3177,  
0.2909

313.8240, 0.3147,  
0.3151

 7.9279, 0.3185,  
0.2839

372.5876, 0.3146,

 4.0488, 0.3196,

0.3158

0.2735

438.2639, 0.3145,  
0.3165

■ 1.7009, 0.3210,  
0.2572

■ 0.4242, 0.3318,  
0.2007

■ 84.8819, 0.3157,  
0.3077

■ 84.8819, 0.3157,  
0.3077

■ 71.5278, 0.3192,  
0.2852

99.9874, 0.3127,  
0.3290

■ 60.1582, 0.3230,  
0.2627

■ 50.6808, 0.3272,  
0.2408

■ 42.9911, 0.3317,  
0.2205

■ 36.9749, 0.3363,  
0.2028

■ 32.5047, 0.3409,  
0.1887

■ 29.4344, 0.3455,  
0.1789

■ 27.5904, 0.3497,  
0.1736

■ 26.6955, 0.3536,  
0.1722

# Harmonies

## Analogous

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



84.8819, 0.2994, 0.3018



84.8819, 0.3157, 0.3077



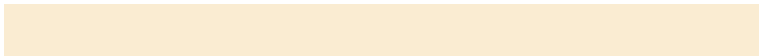
84.8819, 0.3315, 0.3189

# Triad

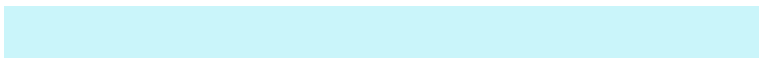
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8819, 0.3157, 0.3077



84.8819, 0.3388, 0.3556



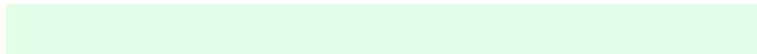
84.8819, 0.2839, 0.3239

# Complementary

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



84.8819, 0.3157, 0.3077



94.1863, 0.3099, 0.3513

# 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.



84.8819, 0.2939, 0.3392



84.8819, 0.3157, 0.3077



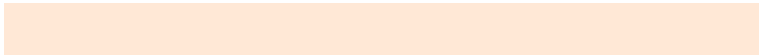
84.8819, 0.3256, 0.3578

# Square

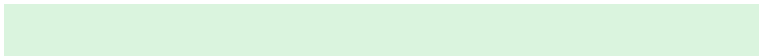
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8819, 0.3157, 0.3077



84.8819, 0.3451, 0.3463



84.8819, 0.3091, 0.3518



84.8819, 0.2814, 0.3106

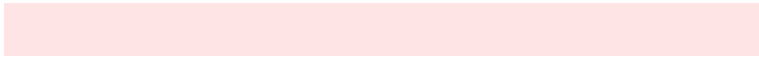


# Rectangle

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



84.8819, 0.3157, 0.3077



84.8819, 0.3396, 0.3281



84.8819, 0.3091, 0.3518



84.8819, 0.2865, 0.3290

# Sweetspot

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



84.8856, 0.3157, 0.3077



95.1579, 0.3136, 0.3226



81.1382, 0.2993, 0.3038



20.0977, 0.3138, 0.3208



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.



84.8856, 0.3157, 0.3077



81.7767, 0.3164, 0.3027



84.1233, 0.3237, 0.3197



18.2614, 0.3156, 0.3083



13.9632, 0.3531, 0.1719



1.3695, 0.3489, 0.1696



# Inverse Universe

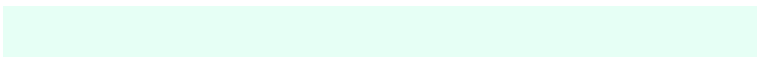
The Inverse Universe completely reimagines the original color for something new.



84.8856, 0.3157, 0.3077



81.7767, 0.3164, 0.3027



94.9215, 0.3029, 0.3385



18.2614, 0.3156, 0.3083



13.9632, 0.3531, 0.1719



1.3695, 0.3489, 0.1696



# Previews

## White Background



This preview shows how the Yxy color 84.8819, 0.3157, 0.3077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

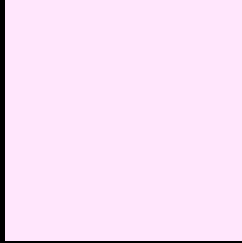
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8819, 0.3157, 0.3077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

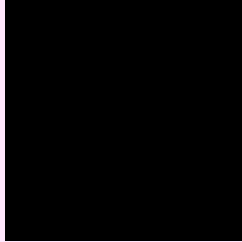
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.8819, 0.3157, 0.3077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8819, 0.3157, 0.3077.

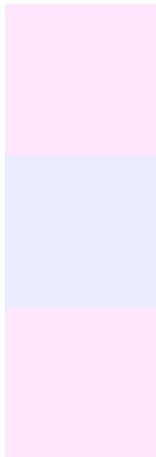


This preview shows how white text looks on a background with the Yxy color 84.8819, 0.3157, 0.3077.

# 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

84.8819, 0.3157, 0.3077

### Protanopia

85.0438, 0.3012, 0.3100

### Deuteranopia

84.6927, 0.3151, 0.3076



## Tritanopia

85.0622, 0.3169, 0.3115

# Trichromacy



## Original Color

84.8819, 0.3157, 0.3077

## Protanomaly

85.0561, 0.3064, 0.3092

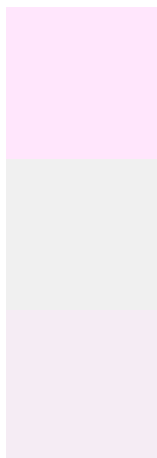
## Deuteranomaly

84.6927, 0.3151, 0.3076

## Tritanomaly

85.1248, 0.3163, 0.3105

# Monochromacy



## Original Color

84.8819, 0.3157, 0.3077

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

85.9350, 0.3138, 0.3211

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8819, 0.3157, 0.3077 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, 230, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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, 230, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8819, 0.3157, 0.3077 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, 230, 252) }
```

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

```
.border{ border-color:rgb(255, 230, 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, 230, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8819, 0.3157, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 252) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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