

# Converting Colors

Yxy(84.5530, 0.3130, 0.3043)

Have a look what the booklet for  
Yxy(84.5530, 0.3130, 0.3043)  
contains.

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# Color

**Yxy(84.8845, 0.3132, 0.3048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE6FF
RGB	254, 230, 255
RGB Percent	100%, 90%, 100%
CMY	0.0038, 0.0980, 0.0000
CMYK	0.00, 0.10, 0.00, 0.00
HSL	298°, 100%, 95%
HSV	298°, 10%, 100%
XYZ	87.2238, 84.8845, 106.3841
YIQ	240.0260, 6.2790, 12.8630

# Conversions

## Conversions Part 2

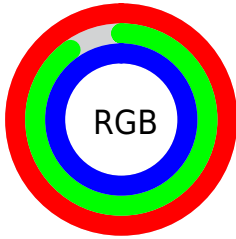
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 230, 255
Decimal	16705279
CIE <sub>Lab</sub>	93.83, 12.47, -9.09
CIE <sub>LCh</sub>	94, 15.430, 323.904
Yxy	84.8845, 0.3132, 0.3048
Android (android.graphics.Color)	4294895359 (0xFFEE6FF)
YUV	240.0260, 7.3822, 12.2552
Hunter-Lab	92.1328, 7.7569, -3.9682

# Details

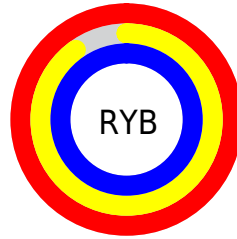
The Yxy color **84.8845, 0.3132, 0.3048** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.2094, 0.3121, 0.3543**, and the grayscale version is **87.1002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2196, 0.3132, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **71.5332, 0.3136, 0.2794**, and if you desaturate by 10%, it is **99.9993, 0.3127, 0.3290**.

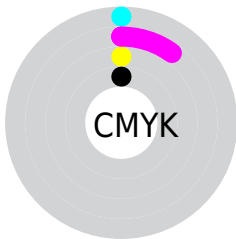
# Distribution



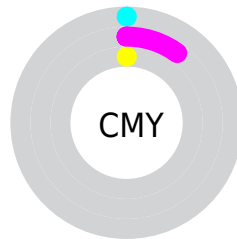
- Red (100%)
- Green (90%)
- Blue (100%)



- Red (100%)
- Yellow (90%)
- Blue (100%)



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8845, 0.3132, 0.3048 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 84.8845, 0.3132, 0.3048 by changing the saturation by 10% instead.




 84.8845, 0.3132,  
0.3048

 84.8845, 0.3132,  
0.3048


511.2458, 0.3131,  
0.3155

 63.7460, 0.3132,  
0.3025


140.2118, 0.3132,  
0.3084

 46.4449, 0.3132,  
0.2996


175.1693, 0.3132,  
0.3098

 32.5971, 0.3132,  
0.2961


215.5020, 0.3131,  
0.3111

 21.8180, 0.3132,  
0.2917

261.5941, 0.3131,  
0.3122

 13.7232, 0.3131,  
0.2859

313.8302, 0.3131,  
0.3132

 7.9284, 0.3129,  
0.2779

372.5946, 0.3131,

 4.0492, 0.3125,

0.3140

0.2664

438.2716, 0.3131,  
0.3148

■ 1.7011, 0.3114,  
0.2482

■ 0.4244, 0.3165,  
0.1898

■ 84.8845, 0.3132,  
0.3048

■ 84.8845, 0.3132,  
0.3048

■ 71.5332, 0.3136,  
0.2794

99.9993, 0.3127,  
0.3290

■ 60.1653, 0.3139,  
0.2541

■ 50.6881, 0.3141,  
0.2296

■ 42.9972, 0.3140,  
0.2070

■ 36.9783, 0.3138,  
0.1873

■ 32.5037, 0.3134,  
0.1713

■ 29.4274, 0.3128,  
0.1597

■ 27.5753, 0.3120,  
0.1524

■ 26.6692, 0.3111,  
0.1488

# Harmonies

## Analogous

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



84.8845, 0.2961, 0.2995



84.8845, 0.3132, 0.3048



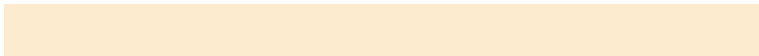
84.8845, 0.3306, 0.3161

# Triad

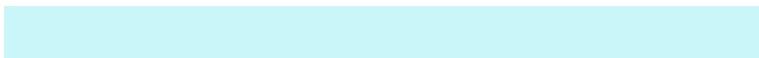
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8845, 0.3132, 0.3048



84.8845, 0.3423, 0.3565



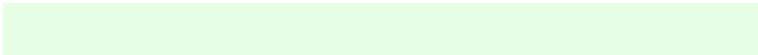
84.8845, 0.2829, 0.3259

# Complementary

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



84.8845, 0.3132, 0.3048



94.2094, 0.3121, 0.3543

# 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.



84.8845, 0.2947, 0.3423



84.8845, 0.3132, 0.3048



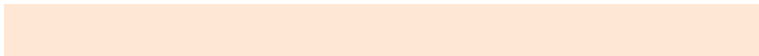
84.8845, 0.3289, 0.3602

# Square

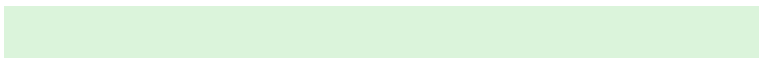
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8845, 0.3132, 0.3048



84.8845, 0.3477, 0.3456



84.8845, 0.3115, 0.3550



84.8845, 0.2789, 0.3110



# Rectangle

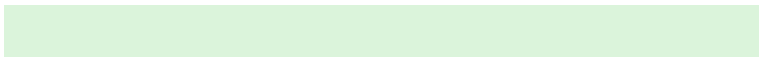
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8845, 0.3132, 0.3048



84.8845, 0.3400, 0.3258



84.8845, 0.3115, 0.3550



84.8845, 0.2861, 0.3314

# Sweetspot

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



84.8882, 0.3132, 0.3048



95.1597, 0.3129, 0.3217



81.3341, 0.2974, 0.3049



20.0982, 0.3129, 0.3197



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.



84.8882, 0.3132, 0.3048



81.7828, 0.3133, 0.2993



84.3678, 0.3210, 0.3156



18.2625, 0.3132, 0.3055



13.9448, 0.3113, 0.1488



1.3685, 0.3124, 0.1495



# Inverse Universe

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



83.6194, 0.3294, 0.3281



80.2547, 0.3337, 0.3279



94.7014, 0.3052, 0.3428



17.9985, 0.3288, 0.3281



11.1250, 0.6362, 0.3278



1.0870, 0.6270, 0.3228



# Previews

## White Background



This preview shows how the Yxy color 84.8845, 0.3132, 0.3048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

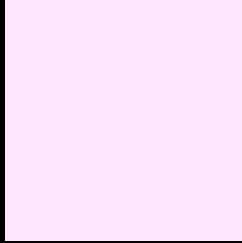
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8845, 0.3132, 0.3048 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

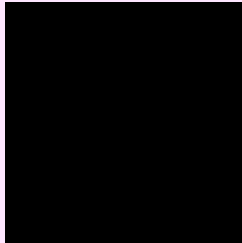
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

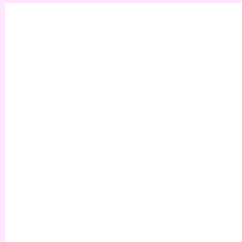
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.8845, 0.3132, 0.3048**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8845, 0.3132, 0.3048.

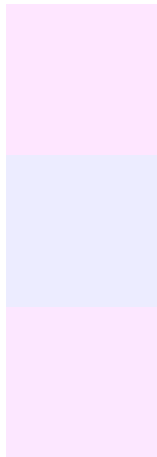


This preview shows how white text looks on a background with the Yxy color 84.8845, 0.3132, 0.3048.

# 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

84.8845, 0.3132, 0.3048

### Protanopia

85.0438, 0.3012, 0.3100

### Deuteranopia

85.0673, 0.3118, 0.3057



## Tritanopia

84.8740, 0.3162, 0.3114

# Trichromacy



## Original Color

84.8845, 0.3132, 0.3048

## Protanomaly

85.1203, 0.3058, 0.3082

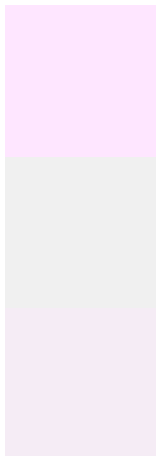
## Deuteranomaly

85.2545, 0.3125, 0.3057

## Tritanomaly

84.9995, 0.3150, 0.3095

# Monochromacy



## Original Color

84.8845, 0.3132, 0.3048

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

85.9960, 0.3131, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8845, 0.3132, 0.3048 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(254, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 230, 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(254, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8845, 0.3132, 0.3048 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(254, 230, 255) }
```

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

```
.border{ border-color:rgb(254, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 230,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8845, 0.3132, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 230, 255) }
```

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

```
.background{ background-color: rgb(254,  
230, 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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