

# Converting Colors

Yxy(84.0673, 0.3118, 0.3094)

Have a look what the booklet for  
Yxy(84.0673, 0.3118, 0.3094)  
contains.

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# Color

**Yxy(84.0733, 0.3116, 0.3093)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F8E7FB
RGB	248, 231, 251
RGB Percent	97%, 91%, 98%
CMY	0.0275, 0.0941, 0.0156
CMYK	0.01, 0.08, 0.00, 0.02
HSL	291°, 72%, 95%
HSV	291°, 8%, 98%
XYZ	84.6985, 84.0733, 103.0462
YIQ	238.3630, 3.7120, 9.8240

# Conversions

## Conversions Part 2

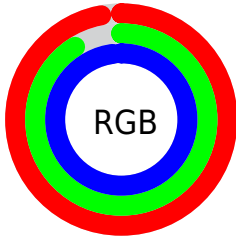
Format	Color
R <sub>Y</sub> B	248, 231, 251
Decimal	16312315
CIE Lab	93.48, 9.25, -7.60
CIE LCh	93, 11.967, 320.587
Yxy	84.0733, 0.3116, 0.3093
Android (android.graphics.Color)	4294502395 (0xFFFB8E7F)
YUV	238.3630, 6.2300, 8.4516
Hunter-Lab	91.6915, 4.4263, -2.4482

# Details

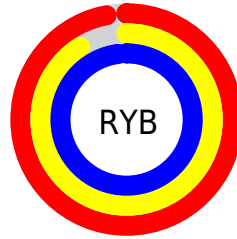
The Yxy color **84.0733, 0.3116, 0.3093** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.2767, 0.3137, 0.3493**, and the grayscale version is **85.7464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7615, 0.3121, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **70.3296, 0.3099, 0.2836**, and if you desaturate by 10%, it is **99.1430, 0.3130, 0.3328**.

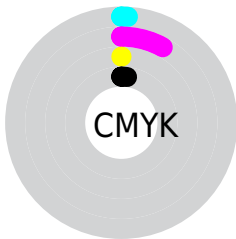
# Distribution



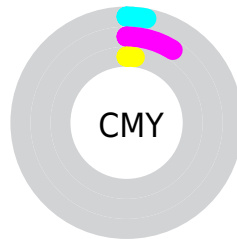
- Red (97%)
- Green (91%)
- Blue (98%)



- Red (97%)
- Yellow (91%)
- Blue (98%)



- Cyan (1%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (3%)
- Magenta (9%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0733, 0.3116, 0.3093 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 84.0733, 0.3116, 0.3093 by changing the saturation by 10% instead.




 84.0733, 0.3116,  
0.3093

 84.0733, 0.3116,  
0.3093


508.5566, 0.3122,  
0.3181

 63.0760, 0.3115,  
0.3074


139.0777, 0.3118,  
0.3123

 45.9027, 0.3113,  
0.3050


173.8536, 0.3119,  
0.3134

 32.1690, 0.3111,  
0.3021


213.9910, 0.3119,  
0.3145

 21.4906, 0.3108,  
0.2984

259.8745, 0.3120,  
0.3154

 13.4831, 0.3103,  
0.2936

311.8884, 0.3121,  
0.3162

 7.7620, 0.3097,  
0.2869

370.4172, 0.3121,

 3.9431, 0.3086,

0.3169

0.2770

435.8451, 0.3121,  
0.3175

■ 1.6418, 0.3066,  
0.2613

■ 0.3855, 0.3070,  
0.1999

■ 84.0733, 0.3116,  
0.3093

■ 84.0733, 0.3116,  
0.3093

■ 70.3296, 0.3099,  
0.2836

■ 99.1430, 0.3130,  
0.3328

■ 58.5259, 0.3077,  
0.2574

■ 99.7463, 0.3150,  
0.3328

■ 48.5745, 0.3051,  
0.2314

■ 40.3763, 0.3021,  
0.2067

■ 33.8232, 0.2986,  
0.1843

■ 28.7948, 0.2949,  
0.1652

■ 25.1544, 0.2910,  
0.1502

■ 22.7406, 0.2870,  
0.1398

■ 21.3345, 0.2830,  
0.1338

# Harmonies

## Analogous

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



84.0733, 0.2985, 0.3058



84.0733, 0.3116, 0.3093



84.0733, 0.3253, 0.3178

# Triad

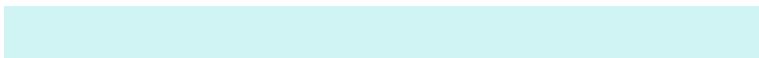
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0733, 0.3116, 0.3093



84.0733, 0.3366, 0.3497



84.0733, 0.2902, 0.3281

# Complementary

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



84.0733, 0.3116, 0.3093



92.2767, 0.3137, 0.3493

# 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.



84.0733, 0.3000, 0.3406



84.0733, 0.3116, 0.3093



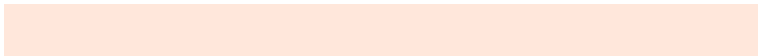
84.0733, 0.3268, 0.3532

# Square

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



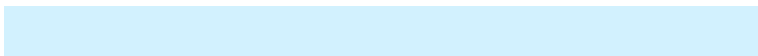
84.0733, 0.3116, 0.3093



84.0733, 0.3399, 0.3409



84.0733, 0.3134, 0.3499



84.0733, 0.2863, 0.3162



# Rectangle

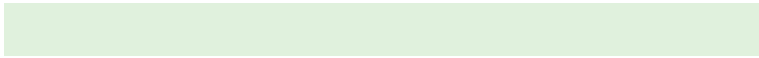
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0733, 0.3116, 0.3093



84.0733, 0.3328, 0.3253



84.0733, 0.3134, 0.3499



84.0733, 0.2929, 0.3324

# Sweetspot

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



84.0769, 0.3116, 0.3093



96.6428, 0.3125, 0.3241



82.9981, 0.3004, 0.3120



20.7207, 0.3125, 0.3244



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.



84.0769, 0.3116, 0.3093



84.0700, 0.3113, 0.3041



84.2224, 0.3179, 0.3159



17.3835, 0.3114, 0.3055



11.1448, 0.2828, 0.1332



1.0671, 0.2876, 0.1358



# Inverse Universe

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



83.6124, 0.3245, 0.3260



83.4798, 0.3279, 0.3252



92.1517, 0.3079, 0.3425



17.2681, 0.3270, 0.3254



10.8672, 0.6193, 0.3185

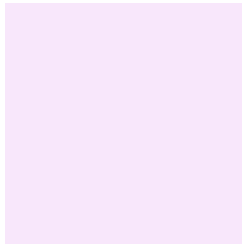


1.0188, 0.5907, 0.3028



# Previews

## White Background



This preview shows how the Yxy color 84.0733, 0.3116, 0.3093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

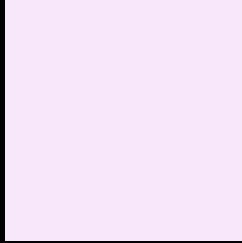
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0733, 0.3116, 0.3093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

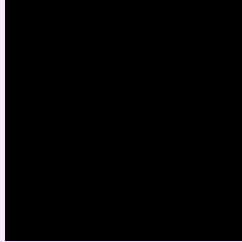
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

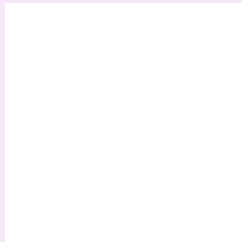
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.0733, 0.3116, 0.3093**

## Background



This preview shows how black text looks on a background with the Yxy color 84.0733, 0.3116, 0.3093.

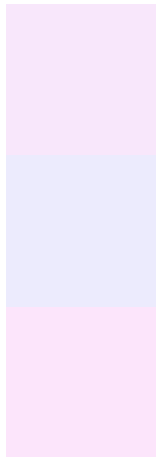


This preview shows how white text looks on a background with the Yxy color 84.0733, 0.3116, 0.3093.

# 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

84.0733, 0.3116, 0.3093

### Protanopia

84.3414, 0.3024, 0.3109

### Deuteranopia

83.6991, 0.3144, 0.3075



## Tritanopia

83.9478, 0.3129, 0.3112

# Trichromacy



## Original Color

84.0733, 0.3116, 0.3093

## Protanomaly

84.3992, 0.3056, 0.3110

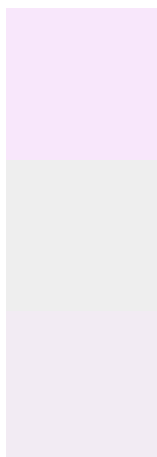
## Deuteranomaly

84.0679, 0.3137, 0.3085

## Tritanomaly

84.0104, 0.3122, 0.3103

# Monochromacy



## Original Color

84.0733, 0.3116, 0.3093

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

84.7650, 0.3124, 0.3210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0733, 0.3116, 0.3093 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(248, 231, 251)` looks like.

```
.text, #text, p{  
    color:rgb(248, 231, 251)  
}
```

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(248, 231, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 231, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0733, 0.3116, 0.3093 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(248, 231, 251) }
```

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

```
.border{ border-color:rgb(248, 231, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 231, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 231, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 231, 251); box-shadow:4px 4px 4px 4px rgb(248, 231, 251) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0733, 0.3116, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 231, 251) }
```

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

```
.background{ background-color: rgb(248,  
231, 251) }
```

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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