

# Converting Colors

$Yxy(88.5891, 0.3116, 0.3117)$

Have a look what the booklet for  
Yxy(88.5891, 0.3116, 0.3117)  
contains.

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# Color

**Yxy(88.4838, 0.3116, 0.3116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCEDFF
RGB	252, 237, 255
RGB Percent	99%, 93%, 100%
CMY	0.0116, 0.0706, 0.0001
CMYK	0.01, 0.07, 0.00, 0.00
HSL	290°, 100%, 96%
HSV	290°, 7%, 100%
XYZ	88.4838, 88.4838, 106.9984
YIQ	243.5370, 3.1620, 8.7780

# Conversions

## Conversions Part 2

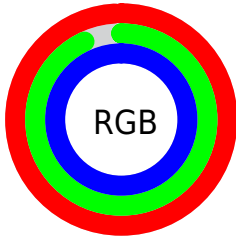
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	252, 237, 255
Decimal	16575999
CIE Lab	95.36, 8.20, -6.83
CIE LCh	95, 10.671, 320.191
Yxy	88.4838, 0.3116, 0.3116
Android (android.graphics.Color)	4294766079 (0xFFFCEDFF)
YUV	243.5370, 5.6513, 7.4221
Hunter-Lab	94.0658, 3.2923, -1.5954

# Details

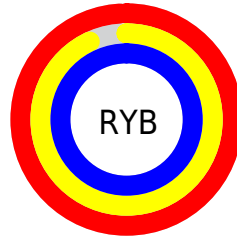
The Yxy color **88.4838, 0.3116, 0.3116** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.1309, 0.3137, 0.3468**, and the grayscale version is **90.0345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7271, 0.3112, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **73.9881, 0.3097, 0.2859**, and if you desaturate by 10%, it is **99.9982, 0.3127, 0.3290**.

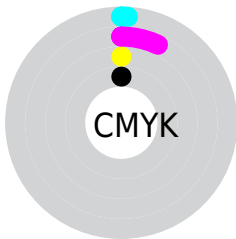
# Distribution



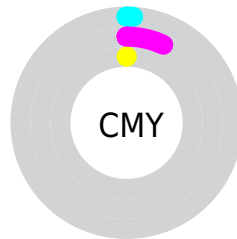
- Red (99%)
- Green (93%)
- Blue (100%)



- Red (99%)
- Yellow (93%)
- Blue (100%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4838, 0.3116, 0.3116 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 88.4838, 0.3116, 0.3116 by changing the saturation by 10% instead.



 88.4838, 0.3116,  
0.3116

 88.4838, 0.3116,  
0.3116

523.0863, 0.3121,  
0.3193

 66.7238, 0.3115,  
0.3099


145.2305, 0.3118,  
0.3142

 48.8602, 0.3113,  
0.3079

180.9860, 0.3119,  
0.3152

 34.5086, 0.3111,  
0.3054


222.1755, 0.3119,  
0.3161

 23.2846, 0.3108,  
0.3022

269.1834, 0.3120,  
0.3169

 14.8038, 0.3104,  
0.2980

322.3940, 0.3120,  
0.3176

 8.6818, 0.3099,  
0.2923

382.1917, 0.3121,

 4.5342, 0.3090,

0.3182

0.2841

448.9610, 0.3121,  
0.3188

■ 1.9767, 0.3073,  
0.2710

■ 0.5939, 0.3068,  
0.2383

■ 88.4838, 0.3116,  
0.3116

■ 88.4838, 0.3116,  
0.3116

■ 73.9881, 0.3097,  
0.2859

99.9982, 0.3127,  
0.3290

■ 61.5166, 0.3073,  
0.2596

■ 50.9786, 0.3044,  
0.2334

■ 42.2721, 0.3011,  
0.2084

■ 35.2856, 0.2974,  
0.1854

■ 29.8955, 0.2933,  
0.1658

■ 25.9612, 0.2890,  
0.1502

■ 23.3180, 0.2847,  
0.1391

■ 21.7551, 0.2803,  
0.1326

# Harmonies

## Analogous

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



88.4838, 0.3001, 0.3086



88.4838, 0.3116, 0.3116



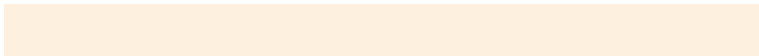
88.4838, 0.3236, 0.3190

# Triad

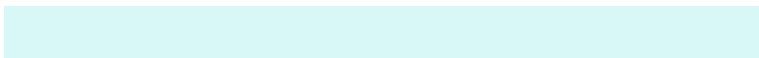
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.4838, 0.3116, 0.3116



88.4838, 0.3337, 0.3471



88.4838, 0.2930, 0.3284

# Complementary

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



88.4838, 0.3116, 0.3116



96.1309, 0.3137, 0.3468

# 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.



88.4838, 0.3017, 0.3393



88.4838, 0.3116, 0.3116



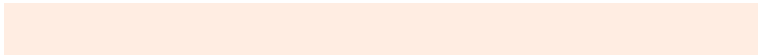
88.4838, 0.3252, 0.3501

# Square

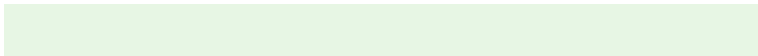
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



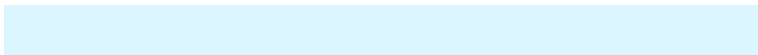
88.4838, 0.3116, 0.3116



88.4838, 0.3365, 0.3393



88.4838, 0.3135, 0.3473



88.4838, 0.2895, 0.3180



# Rectangle

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



88.4838, 0.3116, 0.3116



88.4838, 0.3302, 0.3256



88.4838, 0.3135, 0.3473



88.4838, 0.2954, 0.3321

# Sweetspot

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



88.4876, 0.3116, 0.3116



96.6313, 0.3124, 0.3241



87.5394, 0.3018, 0.3141



20.7184, 0.3124, 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.



88.4876, 0.3116, 0.3116



87.0407, 0.3114, 0.3092



88.6608, 0.3172, 0.3174



18.1412, 0.3112, 0.3054



11.2441, 0.2798, 0.1315



1.1331, 0.2847, 0.1342



# Inverse Universe

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



88.1100, 0.3229, 0.3262



86.6171, 0.3244, 0.3258



95.9770, 0.3085, 0.3409



18.0355, 0.3269, 0.3251



11.2092, 0.6169, 0.3172



1.1045, 0.5891, 0.3019



# Previews

## White Background



This preview shows how the Yxy color 88.4838, 0.3116, 0.3116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

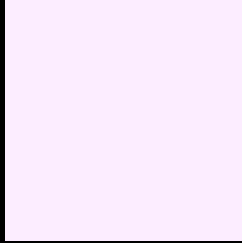
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4838, 0.3116, 0.3116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

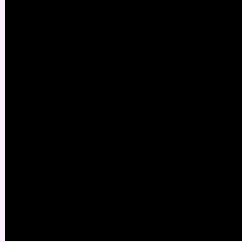
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

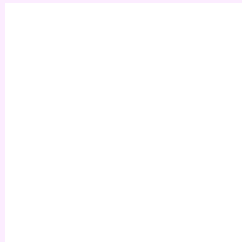
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.4838, 0.3116, 0.3116**

## Background



This preview shows how black text looks on a background with the Yxy color 88.4838, 0.3116, 0.3116.



This preview shows how white text looks on a background with the Yxy color 88.4838, 0.3116, 0.3116.

# 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

88.4838, 0.3116, 0.3116

### Protanopia

88.4174, 0.3050, 0.3142

### Deuteranopia

88.2792, 0.3154, 0.3136



## Tritanopia

88.4838, 0.3116, 0.3116

# Trichromacy



## Original Color

88.4838, 0.3116, 0.3116

## Protanomaly

88.5458, 0.3076, 0.3133

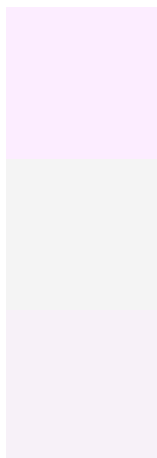
## Deuteranomaly

88.1536, 0.3141, 0.3126

## Tritanomaly

88.4838, 0.3116, 0.3116

# Monochromacy



## Original Color

88.4838, 0.3116, 0.3116

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

89.4621, 0.3124, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4838, 0.3116, 0.3116 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(252, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 237, 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(252, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 237, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4838, 0.3116, 0.3116 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(252, 237, 255) }
```

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

```
.border{ border-color:rgb(252, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 237,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4838, 0.3116, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 237, 255) }
```

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

```
.background{ background-color: rgb(252,  
237, 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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