

# Converting Colors

Yxy(89.3042, 0.3088, 0.3141)

Have a look what the booklet for  
Yxy(89.3042, 0.3088, 0.3141)  
contains.

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# Color

**Yxy(89.4966, 0.3089, 0.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F0FF
RGB	248, 240, 255
RGB Percent	97%, 94%, 100%
CMY	0.0273, 0.0588, 0.0001
CMYK	0.03, 0.06, 0.00, 0.00
HSL	272°, 100%, 97%
HSV	272°, 6%, 100%
XYZ	87.9310, 89.4966, 107.2308
YIQ	244.1020, -0.0470, 6.3610

# Conversions

## Conversions Part 2

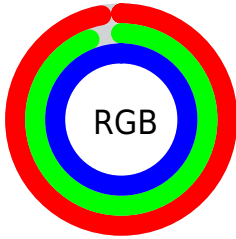
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 240, 255
Decimal	16314623
CIE <sub>Lab</sub>	95.79, 5.35, -6.25
CIE <sub>LCh</sub>	96, 8.227, 310.602
Yxy	89.4966, 0.3089, 0.3144
Android (android.graphics.Color)	4294504703 (0xFF8F0FF)
YUV	244.1020, 5.3727, 3.4185
Hunter-Lab	94.6026, 0.3570, -0.9826

# Details

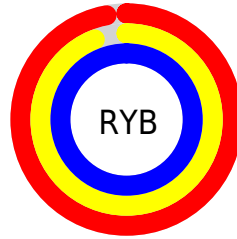
The Yxy color 89.4966, 0.3089, 0.3144 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.5600, 0.3164, 0.3436, and the grayscale version is 90.5154, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.5647, 0.3085, 0.3116 is the 20% darker color. If you saturate the color by 10%, you get 73.4391, 0.3015, 0.2879, and if you desaturate by 10%, it is 99.9988, 0.3127, 0.3290.

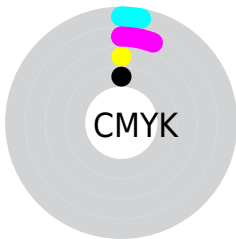
# Distribution



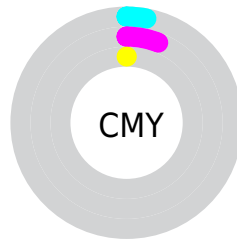
- Red (97%)
- Green (94%)
- Blue (100%)



- Red (97%)
- Yellow (94%)
- Blue (100%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4966, 0.3089, 0.3144 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 89.4966, 0.3089, 0.3144 by changing the saturation by 10% instead.



 89.4966, 0.3089,  
0.3144

 89.4966, 0.3089,  
0.3144

526.3920, 0.3106,  
0.3209

 67.5632, 0.3085,  
0.3130


146.6390, 0.3095,  
0.3166

 49.5425, 0.3080,  
0.3113


182.6167, 0.3097,  
0.3174

 35.0500, 0.3075,  
0.3092


224.0447, 0.3099,  
0.3182

 23.7014, 0.3067,  
0.3065

271.3073, 0.3101,  
0.3189

 15.1123, 0.3057,  
0.3030

324.7889, 0.3103,  
0.3194

 8.8982, 0.3042,  
0.2981

384.8740, 0.3104,

 4.6748, 0.3021,

0.3200

0.2911

451.9469, 0.3105,  
0.3204

■ 2.0578, 0.2986,  
0.2800

■ 0.6407, 0.2930,  
0.2538

■ 89.4966, 0.3089,  
0.3144

■ 89.4966, 0.3089,  
0.3144

■ 73.4391, 0.3015,  
0.2879

99.9988, 0.3127,  
0.3290

■ 59.5331, 0.2929,  
0.2597

■ 47.6862, 0.2830,  
0.2304

■ 37.7948, 0.2720,  
0.2009

■ 29.7460, 0.2601,  
0.1723

■ 23.4151, 0.2477,  
0.1463

■ 18.6612, 0.2352,  
0.1241

■ 15.3198, 0.2232,  
0.1070

■ 13.1876, 0.2122,  
0.0955

# Harmonies

## Analogous

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



89.4966, 0.3007, 0.3134



89.4966, 0.3089, 0.3144



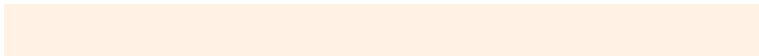
89.4966, 0.3183, 0.3192

# Triad

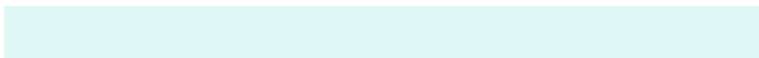
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4966, 0.3089, 0.3144



89.4966, 0.3300, 0.3414



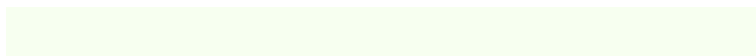
89.4966, 0.2993, 0.3313

# Complementary

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



89.4966, 0.3089, 0.3144



97.5600, 0.3164, 0.3436

# 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.



89.4966, 0.3070, 0.3392



89.4966, 0.3089, 0.3144



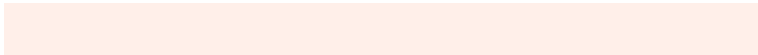
89.4966, 0.3248, 0.3449

# Square

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



89.4966, 0.3089, 0.3144



89.4966, 0.3306, 0.3346



89.4966, 0.3163, 0.3442



89.4966, 0.2952, 0.3230



# Rectangle

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



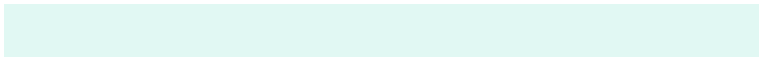
89.4966, 0.3089, 0.3144



89.4966, 0.3239, 0.3239



89.4966, 0.3163, 0.3442



89.4966, 0.3016, 0.3341

# Sweetspot

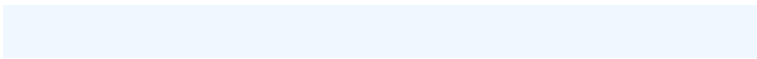
The Sweet Spot groups the original color and five complimentary colors.



89.5004, 0.3089, 0.3144



96.3443, 0.3115, 0.3241



92.2571, 0.3036, 0.3211



20.6600, 0.3115, 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.



89.5004, 0.3089, 0.3144



87.6026, 0.3081, 0.3115



90.7596, 0.3137, 0.3151



18.5328, 0.3077, 0.3100



6.6428, 0.2096, 0.0928



0.7118, 0.2214, 0.0993



# Inverse Universe

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



90.2838, 0.3183, 0.3223



88.5328, 0.3195, 0.3210



96.3529, 0.3117, 0.3433



18.7487, 0.3201, 0.3203



11.8213, 0.5123, 0.2596

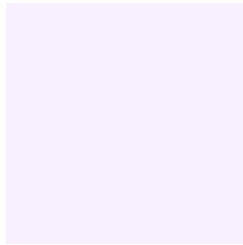


1.1728, 0.4849, 0.2445



# Previews

## White Background



This preview shows how the Yxy color 89.4966, 0.3089, 0.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

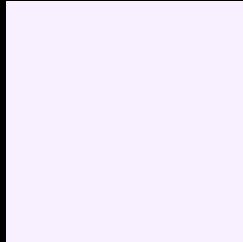
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.4966, 0.3089, 0.3144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

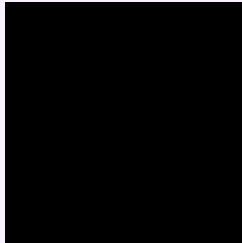
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

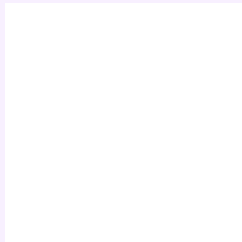
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.4966, 0.3089, 0.3144**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.4966, 0.3089, 0.3144.



This preview shows how white text looks on a background with the Yxy color 89.4966, 0.3089, 0.3144.

# 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

89.4966, 0.3089, 0.3144

### Protanopia

89.7789, 0.3056, 0.3162

### Deuteranopia

89.4373, 0.3153, 0.3155



## Tritanopia

89.3143, 0.3082, 0.3144

# Trichromacy



## Original Color

89.4966, 0.3089, 0.3144

## Protanomaly

89.5431, 0.3069, 0.3153

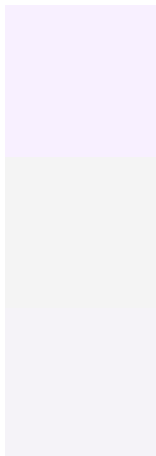
## Deuteranomaly

89.5203, 0.3127, 0.3154

## Tritanomaly

89.3143, 0.3082, 0.3144

# Monochromacy



## Original Color

89.4966, 0.3089, 0.3144

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.2910, 0.3110, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.4966, 0.3089, 0.3144 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, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 240, 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(248, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 89.4966, 0.3089, 0.3144 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, 240, 255) }
```

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

```
.border{ border-color:rgb(248, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(248, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.4966, 0.3089, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 240, 255) }
```

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

```
.background{ background-color: rgb(248,  
240, 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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