

# Converting Colors

Yxy(88.5458, 0.3076, 0.3133)

Have a look what the booklet for  
Yxy(88.5458, 0.3076, 0.3133)  
contains.

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# Color

**Yxy(88.5458, 0.3076, 0.3133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6EFFF
RGB	246, 239, 255
RGB Percent	96%, 94%, 100%
CMY	0.0352, 0.0628, 0.0000
CMYK	0.04, 0.06, 0.00, 0.00
HSL	266°, 100%, 97%
HSV	266°, 6%, 100%
XYZ	86.9348, 88.5458, 107.1424
YIQ	242.9170, -0.9640, 6.4600

# Conversions

## Conversions Part 2

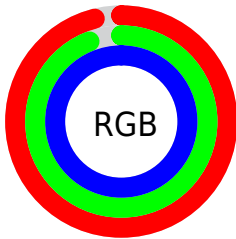
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 239, 255
Decimal	16183295
CIE Lab	95.39, 5.22, -6.88
CIE LCh	95, 8.633, 307.201
Yxy	88.5458, 0.3076, 0.3133
Android (android.graphics.Color)	4294373375 (0xFF6EFFF)
YUV	242.9170, 5.9569, 2.7038
Hunter-Lab	94.0988, 0.2376, -1.6394

# Details

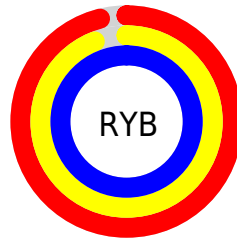
The Yxy color **88.5458, 0.3076, 0.3133** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97.7004, 0.3176, 0.3446**, and the grayscale version is **89.5146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8913, 0.3069, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **72.1709, 0.2984, 0.2865**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

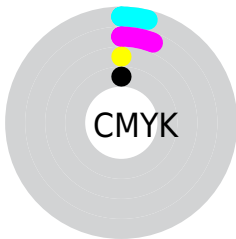
# Distribution



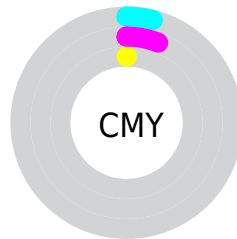
- Red (96%)
- Green (94%)
- Blue (100%)



- Red (96%)
- Yellow (94%)
- Blue (100%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5458, 0.3076, 0.3133 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 88.5458, 0.3076, 0.3133 by changing the saturation by 10% instead.




 88.5458, 0.3076,  
0.3133

 88.5458, 0.3076,  
0.3133


523.2890, 0.3099,  
0.3203

 66.7752, 0.3071,  
0.3118


145.3168, 0.3084,  
0.3157

 48.9019, 0.3065,  
0.3099


181.0859, 0.3087,  
0.3166

 34.5417, 0.3057,  
0.3077


222.2901, 0.3090,  
0.3174

 23.3101, 0.3046,  
0.3048

269.3135, 0.3092,  
0.3181

 14.8226, 0.3033,  
0.3009

322.5408, 0.3094,  
0.3187

 8.6950, 0.3014,  
0.2957

382.3562, 0.3096,

 4.5428, 0.2986,

0.3193

0.2881

449.1441, 0.3098,  
0.3198

■ 1.9816, 0.2938,  
0.2760

■ 0.5967, 0.2857,  
0.2454

■ 88.5458, 0.3076,  
0.3133

■ 88.5458, 0.3076,  
0.3133

■ 72.1709, 0.2984,  
0.2865

100.0000, 0.3127,  
0.3290

■ 58.0069, 0.2877,  
0.2576

■ 45.9572, 0.2756,  
0.2272

■ 35.9157, 0.2622,  
0.1964

■ 27.7669, 0.2479,  
0.1663

■ 21.3830, 0.2331,  
0.1387

■ 16.6198, 0.2186,  
0.1152

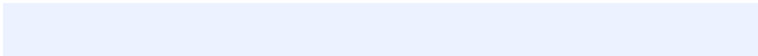
■ 13.3090, 0.2051,  
0.0971

■ 11.2422, 0.1933,  
0.0850

# Harmonies

## Analogous

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



88.5458, 0.2992, 0.3127



88.5458, 0.3076, 0.3133



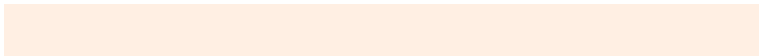
88.5458, 0.3175, 0.3179

# Triad

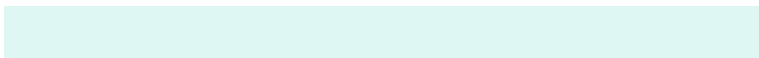
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5458, 0.3076, 0.3133



88.5458, 0.3313, 0.3414



88.5458, 0.2994, 0.3325

# Complementary

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



88.5458, 0.3076, 0.3133



97.7004, 0.3176, 0.3446

# Split Complementary

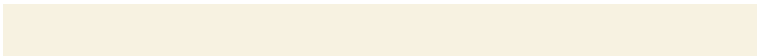
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5458, 0.3078, 0.3405



88.5458, 0.3076, 0.3133



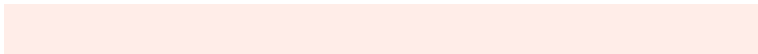
88.5458, 0.3263, 0.3456

# Square

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



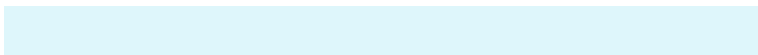
88.5458, 0.3076, 0.3133



88.5458, 0.3313, 0.3340



88.5458, 0.3176, 0.3453



88.5458, 0.2945, 0.3236



# Rectangle

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



88.5458, 0.3076, 0.3133



88.5458, 0.3236, 0.3227



88.5458, 0.3176, 0.3453



88.5458, 0.3019, 0.3354

# Sweetspot

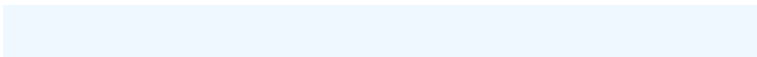
The Sweet Spot groups the original color and five complimentary colors.



88.5475, 0.3076, 0.3133



96.2513, 0.3111, 0.3241



92.7432, 0.3030, 0.3222



20.6410, 0.3112, 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.



88.5475, 0.3076, 0.3133



85.5649, 0.3061, 0.3089



90.0067, 0.3127, 0.3136



17.7687, 0.3048, 0.3049



5.6635, 0.1910, 0.0826



0.6148, 0.2035, 0.0895



# Inverse Universe

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



89.7632, 0.3178, 0.3203



87.1033, 0.3193, 0.3179



96.2872, 0.3126, 0.3448



18.1575, 0.3206, 0.3158



12.1728, 0.4710, 0.2368

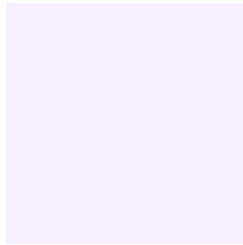


1.2072, 0.4491, 0.2248



# Previews

## White Background



This preview shows how the Yxy color 88.5458, 0.3076, 0.3133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

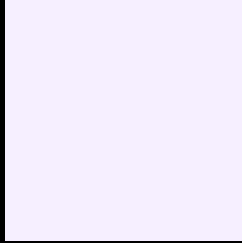
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5458, 0.3076, 0.3133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

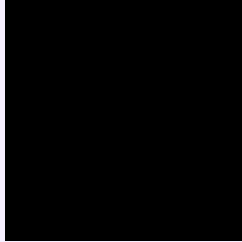
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

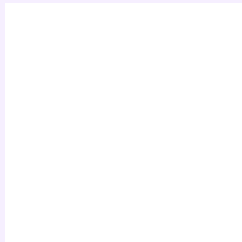
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5458, 0.3076, 0.3133**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5458, 0.3076, 0.3133.



This preview shows how white text looks on a background with the Yxy color 88.5458, 0.3076, 0.3133.

# 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

88.5458, 0.3076, 0.3133

### Protanopia

88.4174, 0.3050, 0.3142

### Deuteranopia

88.3428, 0.3148, 0.3126



## Tritanopia

88.5458, 0.3076, 0.3133

# Trichromacy



## Original Color

88.5458, 0.3076, 0.3133

## Protanomaly

88.5949, 0.3056, 0.3142

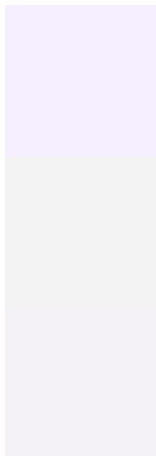
## Deuteranomaly

88.4196, 0.3122, 0.3125

## Tritanomaly

88.5458, 0.3076, 0.3133

# Monochromacy



## Original Color

88.5458, 0.3076, 0.3133

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.4528, 0.3110, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5458, 0.3076, 0.3133 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(246, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 239, 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(246, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 239, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5458, 0.3076, 0.3133 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(246, 239, 255) }
```

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

```
.border{ border-color:rgb(246, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 239, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 239, 255); box-shadow:4px 4px 4px 4px rgb(246, 239, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5458, 0.3076, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 239, 255) }
```

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

```
.background{ background-color: rgb(246,  
239, 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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