

# Converting Colors

$Yxy(89.4165, 0.2985, 0.3014)$

Have a look what the booklet for  
Yxy(89.4165, 0.2985, 0.3014)  
contains.

<b>Yxy(88.7733, 0.3063, 0.3143)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(88.7733, 0.3063, 0.3143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F0FF
RGB	244, 240, 255
RGB Percent	96%, 94%, 100%
CMY	0.0431, 0.0588, 0.0001
CMYK	0.04, 0.06, 0.00, 0.00
HSL	256°, 100%, 97%
HSV	256°, 6%, 100%
XYZ	86.5137, 88.7733, 107.1606
YIQ	242.9060, -2.4310, 5.5130

# Conversions

## Conversions Part 2

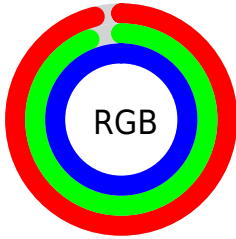
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 240, 255
Decimal	16052479
CIE Lab	95.49, 4.02, -6.72
CIE LCh	95, 7.835, 300.900
Yxy	88.7733, 0.3063, 0.3143
Android (android.graphics.Color)	4294242559 (0xFFFF4F0FF)
YUV	242.9060, 5.9623, 0.9594
Hunter-Lab	94.2196, -0.9831, -1.4798

# Details

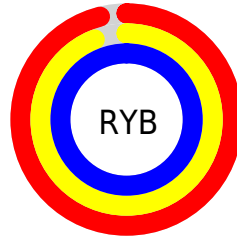
The Yxy color **88.7733, 0.3063, 0.3143** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.3030, 0.3189, 0.3435**, and the grayscale version is **89.5034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0496, 0.3053, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **71.6261, 0.2940, 0.2870**, and if you desaturate by 10%, it is **99.9984, 0.3127, 0.3290**.

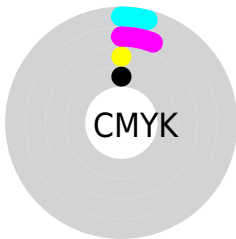
# Distribution



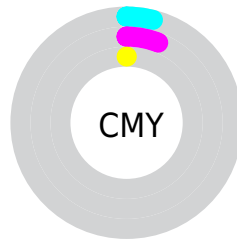
- Red (96%)
- Green (94%)
- Blue (100%)



- 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 88.7733, 0.3063, 0.3143 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 88.7733, 0.3063, 0.3143 by changing the saturation by 10% instead.




 88.7733, 0.3063,  
0.3143

 88.7733, 0.3063,  
0.3143

524.0323, 0.3092,  
0.3208

 66.9637, 0.3057,  
0.3129


145.6333, 0.3073,  
0.3165

 49.0551, 0.3049,  
0.3111


181.4524, 0.3077,  
0.3174

 34.6632, 0.3039,  
0.3090

222.7102, 0.3080,  
0.3181

 23.4036, 0.3027,  
0.3063

269.7910, 0.3083,  
0.3188

 14.8918, 0.3010,  
0.3027

323.0792, 0.3086,  
0.3194

 8.7435, 0.2987,  
0.2977

382.9592, 0.3088,

 4.5742, 0.2952,

0.3199

0.2906

449.8155, 0.3090,  
0.3204

■ 1.9997, 0.2896,  
0.2791

■ 0.6073, 0.2787,  
0.2506

■ 88.7733, 0.3063,  
0.3143

■ 88.7733, 0.3063,  
0.3143

■ 71.6261, 0.2940,  
0.2870

99.9984, 0.3127,  
0.3290

■ 56.8263, 0.2799,  
0.2571

■ 44.2736, 0.2642,  
0.2252

■ 33.8560, 0.2471,  
0.1921

■ 25.4516, 0.2291,  
0.1595

■ 18.9260, 0.2112,  
0.1292

■ 14.1277, 0.1944,  
0.1034

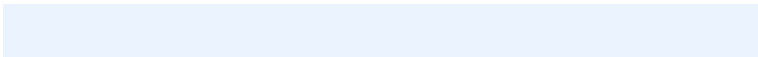
■ 10.8809, 0.1799,  
0.0839

■ 8.9697, 0.1685,  
0.0716

# Harmonies

## Analogous

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



88.7733, 0.2992, 0.3146



88.7733, 0.3063, 0.3143



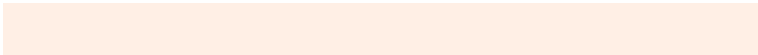
88.7733, 0.3152, 0.3178

# Triad

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



88.7733, 0.3063, 0.3143



88.7733, 0.3299, 0.3390



88.7733, 0.3020, 0.3338

# Complementary

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



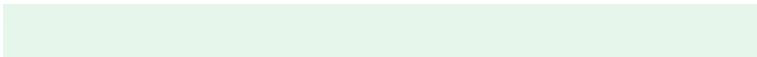
88.7733, 0.3063, 0.3143



98.3030, 0.3189, 0.3435

# Split Complementary

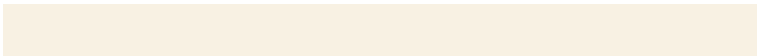
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7733, 0.3101, 0.3406



88.7733, 0.3063, 0.3143



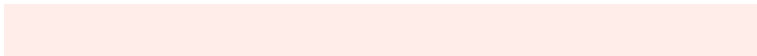
88.7733, 0.3263, 0.3435

# Square

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



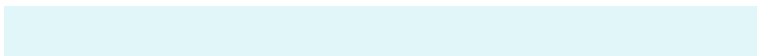
88.7733, 0.3063, 0.3143



88.7733, 0.3289, 0.3319



88.7733, 0.3190, 0.3442



88.7733, 0.2968, 0.3258



# Rectangle

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



88.7733, 0.3063, 0.3143



88.7733, 0.3209, 0.3218



88.7733, 0.3190, 0.3442



88.7733, 0.3045, 0.3363

# Sweetspot

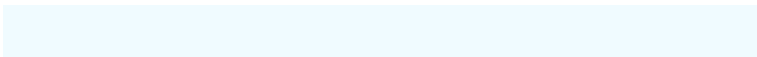
The Sweet Spot groups the original color and five complimentary colors.



88.7771, 0.3063, 0.3143



96.0864, 0.3106, 0.3241



94.8860, 0.3036, 0.3253



20.6074, 0.3107, 0.3243



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.



88.7771, 0.3063, 0.3143



86.7358, 0.3050, 0.3114



90.0972, 0.3110, 0.3145



18.3323, 0.3043, 0.3098



4.4752, 0.1661, 0.0689



0.4864, 0.1773, 0.0750



# Inverse Universe

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



90.5457, 0.3158, 0.3184



88.8327, 0.3165, 0.3164



96.9847, 0.3144, 0.3437



18.8182, 0.3168, 0.3152



13.0110, 0.4024, 0.1990

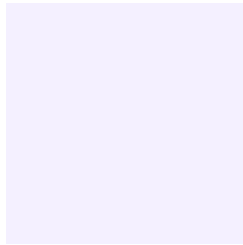


1.2850, 0.3910, 0.1927



# Previews

## White Background



This preview shows how the Yxy color 88.7733, 0.3063, 0.3143 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

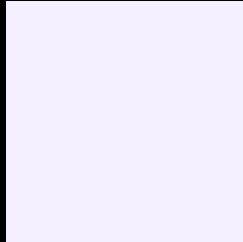
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.7733, 0.3063, 0.3143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

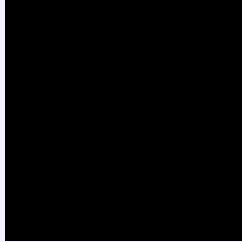
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

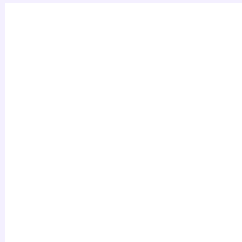
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.7733, 0.3063, 0.3143**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.7733, 0.3063, 0.3143.



This preview shows how white text looks on a background with the Yxy color 88.7733, 0.3063, 0.3143.

# 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

88.7733, 0.3063, 0.3143

### Protanopia

89.0078, 0.3050, 0.3152

### Deuteranopia

88.9202, 0.3148, 0.3136



## Tritanopia

88.7733, 0.3063, 0.3143

# Trichromacy



## Original Color

88.7733, 0.3063, 0.3143

## Protanomaly

89.1853, 0.3056, 0.3152

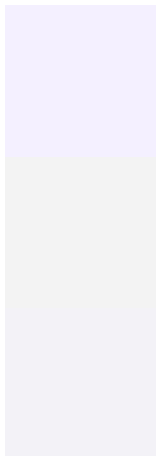
## Deuteranomaly

88.8141, 0.3115, 0.3135

## Tritanomaly

88.7733, 0.3063, 0.3143

# Monochromacy



## Original Color

88.7733, 0.3063, 0.3143

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.2743, 0.3104, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7733, 0.3063, 0.3143 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(244, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7733, 0.3063, 0.3143 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(244, 240, 255) }
```

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

```
.border{ border-color:rgb(244, 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(244, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7733, 0.3063, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 240, 255) }
```

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

```
.background{ background-color: rgb(244,  
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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