

# Converting Colors

$Yxy(88.1515, 0.3003, 0.3157)$

Have a look what the booklet for  
Yxy(88.1515, 0.3003, 0.3157)  
contains.

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# Color

**Yxy(88.3864, 0.3006, 0.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF2FF
RGB	235, 242, 255
RGB Percent	92%, 95%, 100%
CMY	0.0782, 0.0510, 0.0000
CMYK	0.08, 0.05, 0.00, 0.00
HSL	219°, 100%, 96%
HSV	219°, 8%, 100%
XYZ	84.0790, 88.3864, 107.2384
YIQ	241.3890, -8.3450, 2.5590

# Conversions

## Conversions Part 2

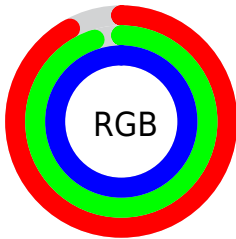
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	235, 240, 255
Decimal	15463167
CIE Lab	95.32, 0.13, -7.05
CIE LCh	95, 7.052, 271.088
Yxy	88.3864, 0.3006, 0.3160
Android (android.graphics.Color)	4293653247 (0xFFEBF2FF)
YUV	241.3890, 6.7102, -5.6032
Hunter-Lab	94.0140, -4.8878, -1.8201

# Details

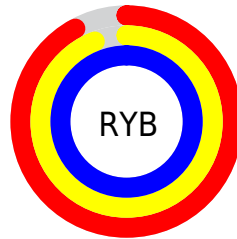
The Yxy color **88.3864, 0.3006, 0.3160** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.4452, 0.3250, 0.3417**, and the grayscale version is **88.2457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7787, 0.2980, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **74.8928, 0.2841, 0.2975**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

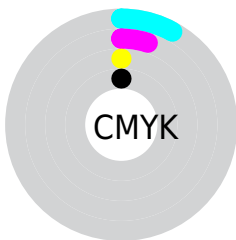
# Distribution



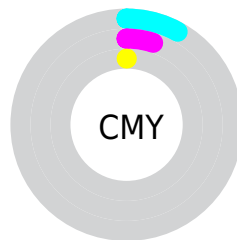
- Red (92%)
- Green (95%)
- Blue (100%)



- Red (92%)
- Yellow (94%)
- Blue (100%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3864, 0.3006, 0.3160 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 88.3864, 0.3006, 0.3160 by changing the saturation by 10% instead.



88.3864, 0.3006,  
0.3160

88.3864, 0.3006,  
0.3160

522.7678, 0.3060,  
0.3218

66.6431, 0.2994,  
0.3147

145.0950, 0.3024,  
0.3180

48.7947, 0.2980,  
0.3132

180.8291, 0.3032,  
0.3188

34.4566, 0.2962,  
0.3112

221.9956, 0.3038,  
0.3194

23.2446, 0.2938,  
0.3088

268.9789, 0.3043,  
0.3200

14.7742, 0.2908,  
0.3055

322.1633, 0.3048,  
0.3205

8.6611, 0.2866,  
0.3010

381.9334, 0.3053,

4.5208, 0.2804,

0.3210

0.2943

448.6734, 0.3057,  
0.3214

■ 1.9689, 0.2703,  
0.2836

■ 0.5893, 0.2452,  
0.2565

■ 88.3864, 0.3006,  
0.3160

■ 88.3864, 0.3006,  
0.3160

■ 74.8928, 0.2841,  
0.2975

100.0000, 0.3127,  
0.3290

■ 62.8696, 0.2668,  
0.2770

■ 52.2670, 0.2489,  
0.2545

■ 43.0285, 0.2309,  
0.2303

■ 35.0933, 0.2136,  
0.2051

■ 28.3954, 0.1975,  
0.1796

■ 22.8619, 0.1837,  
0.1549

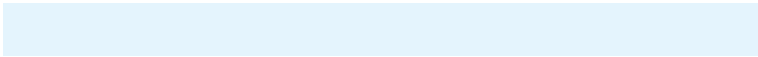
■ 18.4106, 0.1727,  
0.1321

■ 14.9398, 0.1648,  
0.1121

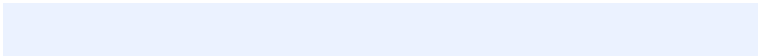
# Harmonies

## Analogous

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



88.3864, 0.2975, 0.3197



88.3864, 0.3006, 0.3160



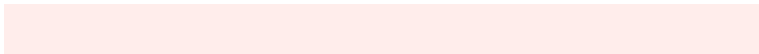
88.3864, 0.3070, 0.3157

# Triad

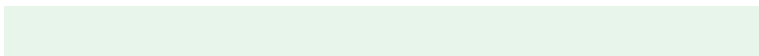
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.3864, 0.3006, 0.3160



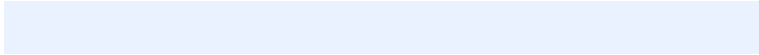
88.3864, 0.3273, 0.3317



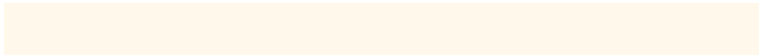
88.3864, 0.3103, 0.3394

# Complementary

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



88.3864, 0.3006, 0.3160



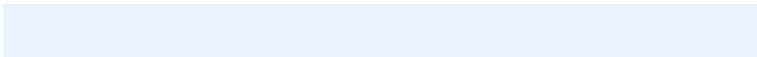
94.4452, 0.3250, 0.3417

# Split Complementary

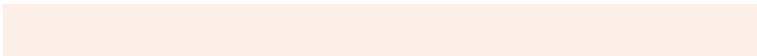
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3864, 0.3183, 0.3427



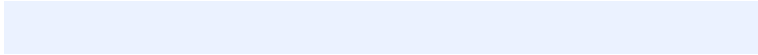
88.3864, 0.3006, 0.3160



88.3864, 0.3282, 0.3381

# Square

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



88.3864, 0.3006, 0.3160



88.3864, 0.3224, 0.3247



88.3864, 0.3249, 0.3421

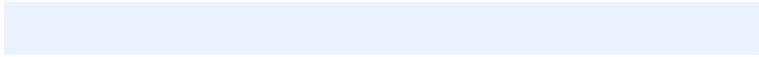


88.3864, 0.3030, 0.3333



# Rectangle

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



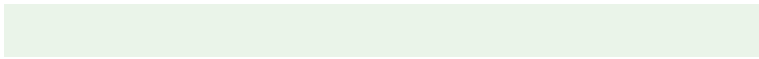
88.3864, 0.3006, 0.3160



88.3864, 0.3123, 0.3175



88.3864, 0.3249, 0.3421



88.3864, 0.3130, 0.3409

# Sweetspot

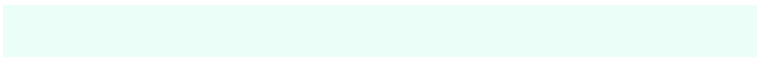
The Sweet Spot groups the original color and five complimentary colors.



88.3899, 0.3006, 0.3160



96.9397, 0.3097, 0.3258



95.9721, 0.3044, 0.3359



20.7812, 0.3098, 0.3260



0.0000, 0.0000, 0.0000

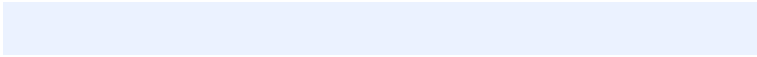


21.4041, 0.3127, 0.3290

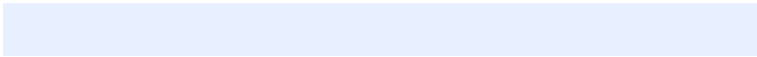


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3899, 0.3006, 0.3160



86.7152, 0.2987, 0.3139



84.8611, 0.3025, 0.3091



18.4091, 0.2979, 0.3130



7.7163, 0.1642, 0.1111



0.9463, 0.1704, 0.1335



# Inverse Universe

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



87.1243, 0.3218, 0.3223



85.2937, 0.3233, 0.3212



98.2192, 0.3224, 0.3484



18.0912, 0.3239, 0.3208



11.5069, 0.5594, 0.2855

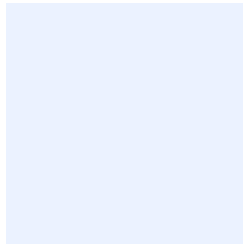


1.1401, 0.5278, 0.2681



# Previews

## White Background



This preview shows how the Yxy color 88.3864, 0.3006, 0.3160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

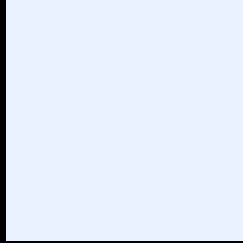
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.3864, 0.3006, 0.3160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

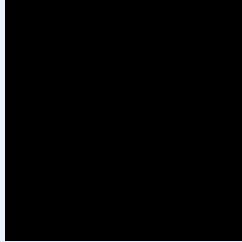
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

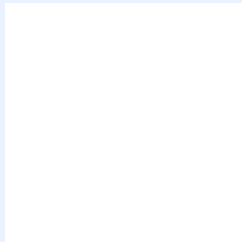
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.3864, 0.3006, 0.3160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.3864, 0.3006, 0.3160.

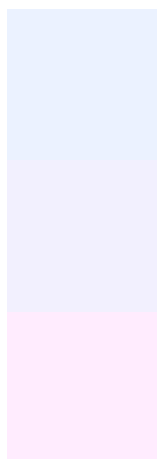


This preview shows how white text looks on a background with the Yxy color 88.3864, 0.3006, 0.3160.

# 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

88.3864, 0.3006, 0.3160

### Protanopia

88.3532, 0.3056, 0.3152

### Deuteranopia

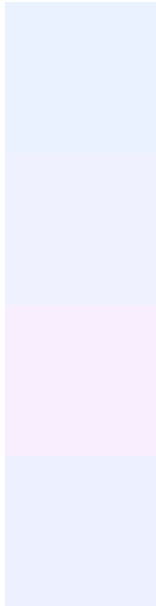
88.4067, 0.3142, 0.3117



## Tritanopia

88.3077, 0.3025, 0.3151

# Trichromacy



## Original Color

88.3864, 0.3006, 0.3160

## Protanomaly

88.4171, 0.3037, 0.3161

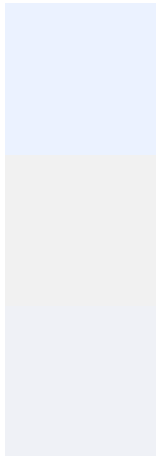
## Deuteranomaly

88.2613, 0.3095, 0.3134

## Tritanomaly

88.1351, 0.3018, 0.3151

# Monochromacy



## Original Color

88.3864, 0.3006, 0.3160

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.9151, 0.3084, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.3864, 0.3006, 0.3160 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(235, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 242, 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(235, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.3864, 0.3006, 0.3160 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(235, 242, 255) }
```

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

```
.border{ border-color:rgb(235, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.3864, 0.3006, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 242, 255) }
```

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

```
.background{ background-color: rgb(235,  
242, 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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