

# Converting Colors

$Yxy(85.7517, 0.2999, 0.3118)$

Have a look what the booklet for  
Yxy(85.7517, 0.2999, 0.3118)  
contains.

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# Color

**Yxy(85.8615, 0.2999, 0.3119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE EFF
RGB	234, 238, 255
RGB Percent	92%, 93%, 100%
CMY	0.0824, 0.0666, 0.0000
CMYK	0.08, 0.07, 0.00, 0.00
HSL	229°, 100%, 96%
HSV	229°, 8%, 100%
XYZ	82.5581, 85.8615, 106.8658
YIQ	238.7420, -7.8410, 4.4390

# Conversions

## Conversions Part 2

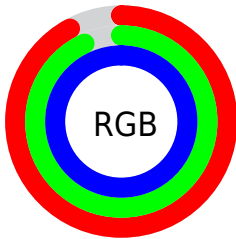
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 237, 255
Decimal	15396607
CIE Lab	94.25, 1.84, -8.67
CIE LCh	94, 8.858, 281.960
Yxy	85.8615, 0.2999, 0.3119
Android (android.graphics.Color)	4293586687 (0xFFEAEEFF)
YUV	238.7420, 8.0152, -4.1587
Hunter-Lab	92.6615, -3.1205, -3.5157

# Details

The Yxy color **85.8615, 0.2999, 0.3119** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96.1827, 0.3254, 0.3455**, and the grayscale version is **86.0450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9981, 0.2971, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **70.5231, 0.2830, 0.2888**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

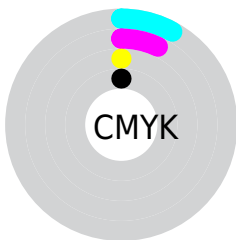
# Distribution



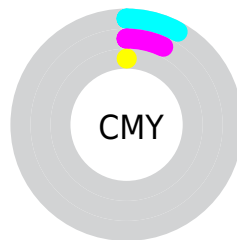
- Red (92%)
- Green (93%)
- Blue (100%)



- Red (92%)
- Yellow (93%)
- Blue (100%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8615, 0.2999, 0.3119 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 85.8615, 0.2999, 0.3119 by changing the saturation by 10% instead.



85.8615, 0.2999,  
0.3119

85.8615, 0.2999,  
0.3119

514.4744, 0.3057,  
0.3195

64.5535, 0.2986,  
0.3102

141.5762, 0.3019,  
0.3145

47.0991, 0.2971,  
0.3082

176.7516, 0.3026,  
0.3155

33.1140, 0.2951,  
0.3056

217.3183, 0.3033,  
0.3164

22.2138, 0.2926,  
0.3023

263.6607, 0.3039,  
0.3172

14.0141, 0.2893,  
0.2980

316.1631, 0.3044,  
0.3179

8.1305, 0.2847,  
0.2920

375.2099, 0.3049,

4.1785, 0.2778,

0.3185

0.2832

441.1855, 0.3053,  
0.3191

■ 1.7739, 0.2666,  
0.2690

■ 0.4708, 0.2356,  
0.2253

■ 85.8615, 0.2999,  
0.3119

■ 85.8615, 0.2999,  
0.3119

■ 70.5231, 0.2830,  
0.2888

100.0000, 0.3127,  
0.3290

■ 57.1081, 0.2647,  
0.2629

■ 45.5403, 0.2453,  
0.2347

■ 35.7373, 0.2256,  
0.2048

■ 27.6103, 0.2063,  
0.1742

■ 21.0627, 0.1886,  
0.1445

■ 15.9873, 0.1736,  
0.1175

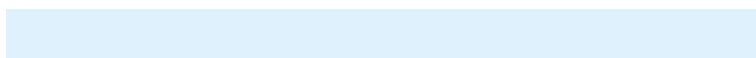
■ 12.2629, 0.1624,  
0.0950

■ 9.7400, 0.1554,  
0.0782

# Harmonies

## Analogous

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



85.8615, 0.2943, 0.3150



85.8615, 0.2999, 0.3119



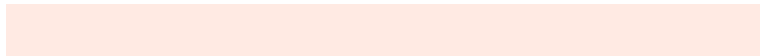
85.8615, 0.3090, 0.3132

# Triad

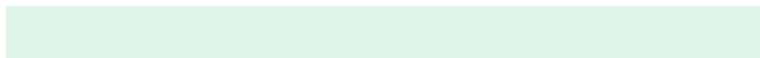
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8615, 0.2999, 0.3119



85.8615, 0.3323, 0.3355



85.8615, 0.3061, 0.3398

# Complementary

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



85.8615, 0.2999, 0.3119



96.1827, 0.3254, 0.3455

# Split Complementary

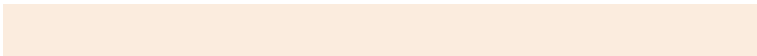
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8615, 0.3162, 0.3454



85.8615, 0.2999, 0.3119



85.8615, 0.3315, 0.3428

# Square

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



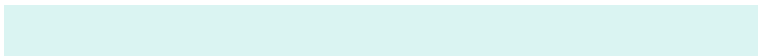
85.8615, 0.2999, 0.3119



85.8615, 0.3278, 0.3267



85.8615, 0.3255, 0.3465



85.8615, 0.2978, 0.3311



# Rectangle

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



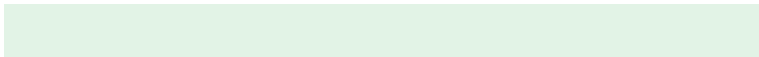
85.8615, 0.2999, 0.3119



85.8615, 0.3159, 0.3164



85.8615, 0.3255, 0.3465



85.8615, 0.3094, 0.3421

# Sweetspot

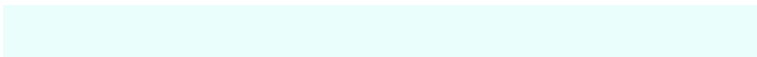
The Sweet Spot groups the original color and five complimentary colors.



85.8622, 0.2999, 0.3119



96.4420, 0.3097, 0.3250



95.9625, 0.3023, 0.3331



20.6799, 0.3099, 0.3252



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.



85.8622, 0.2999, 0.3119



83.0205, 0.2971, 0.3081



84.6344, 0.3040, 0.3081



17.9397, 0.2979, 0.3092



5.0692, 0.1550, 0.0780



0.6349, 0.1602, 0.0967



# Inverse Universe

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



86.2715, 0.3244, 0.3251



83.5379, 0.3272, 0.3242



97.5437, 0.3210, 0.3496



18.0438, 0.3264, 0.3245



11.2397, 0.6103, 0.3135

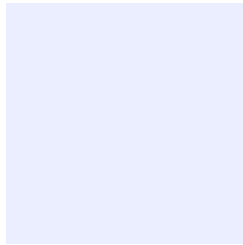


1.1086, 0.5809, 0.2974



# Previews

## White Background



This preview shows how the Yxy color 85.8615, 0.2999, 0.3119 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

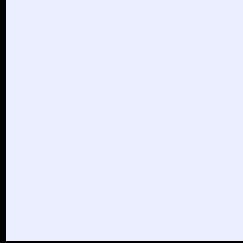
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8615, 0.2999, 0.3119 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

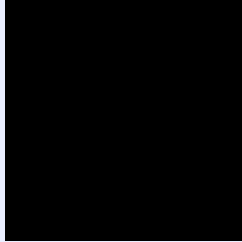
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.8615, 0.2999, 0.3119**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8615, 0.2999, 0.3119.



This preview shows how white text looks on a background with the Yxy color 85.8615, 0.2999, 0.3119.

# 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

85.8615, 0.2999, 0.3119

### Protanopia

85.9013, 0.3031, 0.3120

### Deuteranopia

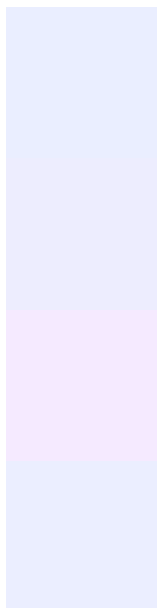
85.6287, 0.3118, 0.3067



## Tritanopia

86.0312, 0.3006, 0.3120

# Trichromacy



## Original Color

85.8615, 0.2999, 0.3119

## Protanomaly

85.7287, 0.3024, 0.3120

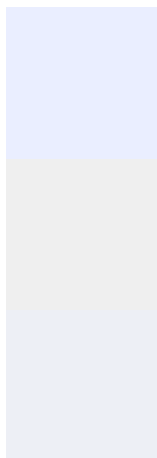
## Deuteranomaly

85.4781, 0.3071, 0.3083

## Tritanomaly

86.0312, 0.3006, 0.3120

# Monochromacy



## Original Color

85.8615, 0.2999, 0.3119

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.3301, 0.3078, 0.3230

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8615, 0.2999, 0.3119 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(234, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 238, 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(234, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8615, 0.2999, 0.3119 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(234, 238, 255) }
```

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

```
.border{ border-color:rgb(234, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8615, 0.2999, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 238, 255) }
```

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

```
.background{ background-color: rgb(234,  
238, 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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