

# Converting Colors

Yxy(86.0964, 0.2936, 0.3099)

Have a look what the booklet for  
Yxy(86.0964, 0.2936, 0.3099)  
contains.

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# Color

**Yxy(85.8711, 0.2956, 0.3138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3F0FF
RGB	227, 240, 255
RGB Percent	89%, 94%, 100%
CMY	0.1097, 0.0588, 0.0001
CMYK	0.11, 0.06, 0.00, 0.00
HSL	212°, 100%, 95%
HSV	212°, 11%, 100%
XYZ	80.8907, 85.8711, 106.8874
YIQ	237.8230, -12.5630, 1.9090

# Conversions

## Conversions Part 2

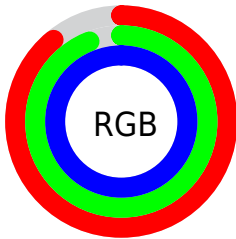
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 236, 255
Decimal	14938367
CIE Lab	94.26, -1.42, -8.67
CIE LCh	94, 8.787, 260.728
Yxy	85.8711, 0.2956, 0.3138
Android (android.graphics.Color)	4293128447 (0xFFE3F0FF)
YUV	237.8230, 8.4683, -9.4918
Hunter-Lab	92.6667, -6.3502, -3.5220

# Details

The Yxy color **85.8711, 0.2956, 0.3138** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.3017, 0.3306, 0.3437**, and the grayscale version is **85.3010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1289, 0.2924, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **74.2893, 0.2793, 0.2982**, and if you desaturate by 10%, it is **98.6793, 0.3113, 0.3278**.

# Distribution



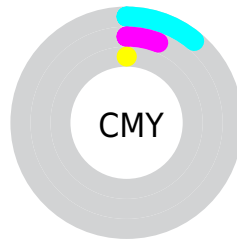
- Red (89%)
- Green (94%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8711, 0.2956, 0.3138 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 85.8711, 0.2956, 0.3138 by changing the saturation by 10% instead.



85.8711, 0.2956,  
0.3138

85.8711, 0.2956,  
0.3138

514.5061, 0.3033,  
0.3206

64.5614, 0.2939,  
0.3123

141.5896, 0.2982,  
0.3161

47.1055, 0.2918,  
0.3104

176.7672, 0.2992,  
0.3171

33.1191, 0.2893,  
0.3081

217.3362, 0.3001,  
0.3179

22.2177, 0.2860,  
0.3052

263.6810, 0.3009,  
0.3185

14.0169, 0.2816,  
0.3012

316.1860, 0.3016,  
0.3192

8.1324, 0.2756,  
0.2957

375.2355, 0.3022,

4.1798, 0.2667,

0.3197

0.2876

441.2141, 0.3028,  
0.3202

■ 1.7746, 0.2522,  
0.2742

■ 0.4713, 0.2054,  
0.2342

■ 85.8711, 0.2956,  
0.3138

■ 85.8711, 0.2956,  
0.3138

■ 74.2893, 0.2793,  
0.2982

98.6793, 0.3113,  
0.3278

■ 63.8830, 0.2625,  
0.2810

99.9977, 0.3127,  
0.3290

■ 54.6132, 0.2457,  
0.2623

■ 46.4343, 0.2293,  
0.2424

■ 39.2973, 0.2139,  
0.2215

■ 33.1482, 0.2001,  
0.2003

■ 27.9269, 0.1884,  
0.1794

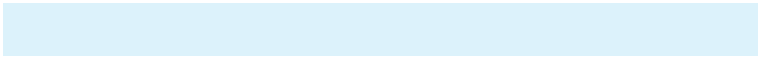
■ 23.5634, 0.1792,  
0.1595

■ 20.2659, 0.1730,  
0.1427

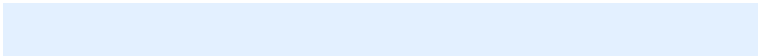
# Harmonies

## Analogous

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



85.8711, 0.2934, 0.3198



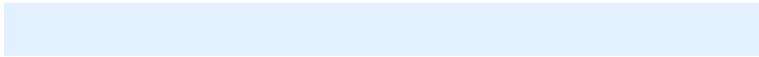
85.8711, 0.2956, 0.3138



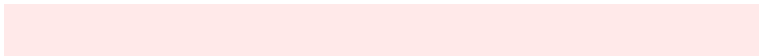
85.8711, 0.3024, 0.3120

# Triad

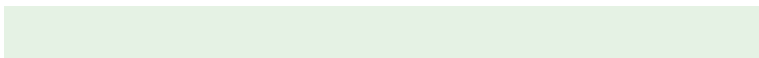
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8711, 0.2956, 0.3138



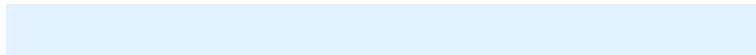
85.8711, 0.3295, 0.3293



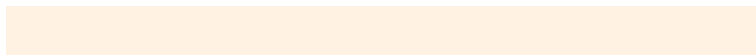
85.8711, 0.3132, 0.3441

# Complementary

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



85.8711, 0.2956, 0.3138



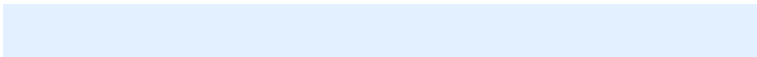
90.3017, 0.3306, 0.3437

# Split Complementary

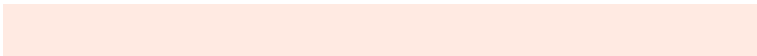
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8711, 0.3230, 0.3466



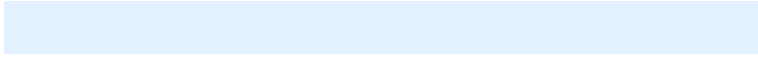
85.8711, 0.2956, 0.3138



85.8711, 0.3325, 0.3378

# Square

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



85.8711, 0.2956, 0.3138



85.8711, 0.3220, 0.3208



85.8711, 0.3301, 0.3442

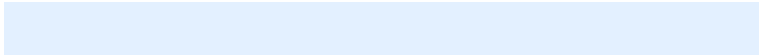


85.8711, 0.3034, 0.3374



# Rectangle

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



85.8711, 0.2956, 0.3138



85.8711, 0.3086, 0.3132



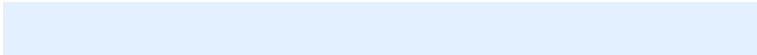
85.8711, 0.3301, 0.3442



85.8711, 0.3166, 0.3454

# Sweetspot

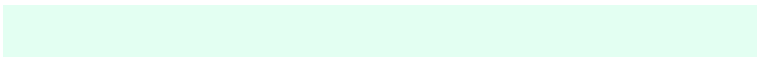
The Sweet Spot groups the original color and five complimentary colors.



85.8747, 0.2956, 0.3138



95.9911, 0.3081, 0.3250



94.2396, 0.3030, 0.3422



20.3208, 0.3069, 0.3239



0.0000, 0.0000, 0.0000

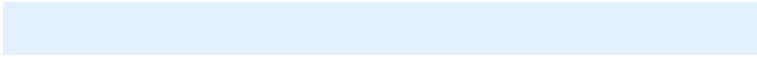


21.4041, 0.3127, 0.3290

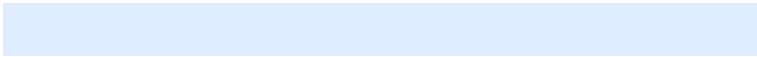


# Same Dimension

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



85.8747, 0.2956, 0.3138



83.4348, 0.2923, 0.3108



78.6610, 0.2960, 0.3004



18.7680, 0.2979, 0.3159



10.8846, 0.1738, 0.1457



1.2758, 0.1798, 0.1671



# Inverse Universe

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



82.5000, 0.3237, 0.3163



79.5515, 0.3260, 0.3138



98.1218, 0.3285, 0.3562



18.1274, 0.3221, 0.3180



11.8268, 0.5116, 0.2592

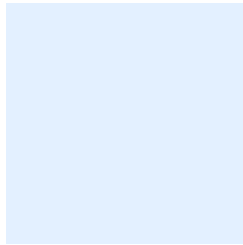


1.1733, 0.4842, 0.2441



# Previews

## White Background



This preview shows how the Yxy color 85.8711, 0.2956, 0.3138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

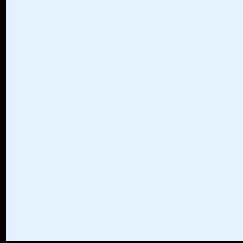
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8711, 0.2956, 0.3138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

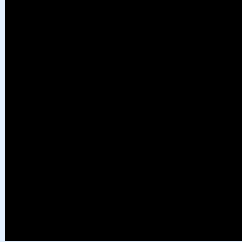
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

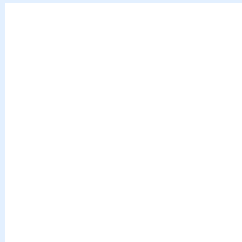
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.8711, 0.2956, 0.3138**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8711, 0.2956, 0.3138.



This preview shows how white text looks on a background with the Yxy color 85.8711, 0.2956, 0.3138.

# 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

85.8711, 0.2956, 0.3138

### Protanopia

85.8374, 0.3037, 0.3130

### Deuteranopia

85.6287, 0.3118, 0.3067



## Tritanopia

85.7760, 0.2974, 0.3128

# Trichromacy



## Original Color

85.8711, 0.2956, 0.3138

## Protanomaly

85.7973, 0.3005, 0.3129

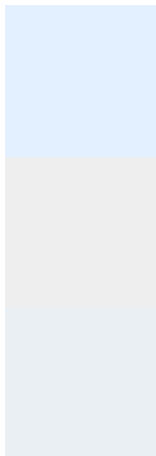
## Deuteranomaly

85.6913, 0.3057, 0.3092

## Tritanomaly

85.6110, 0.2968, 0.3128

# Monochromacy



## Original Color

85.8711, 0.2956, 0.3138

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.7571, 0.3064, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  85.8711, 0.2956, 0.3138 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(227, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8711, 0.2956, 0.3138 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(227, 240, 255) }
```

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

```
.border{ border-color:rgb(227, 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(227, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8711, 0.2956, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 240, 255) }
```

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

```
.background{ background-color: rgb(227,  
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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