

# Converting Colors

$Yxy(85.2757, 0.2939, 0.3134)$

Have a look what the booklet for  
Yxy(85.2757, 0.2939, 0.3134)  
contains.

|   |    |
|---|----|
| <b>Yxy(85.3875, 0.2937, 0.3137)</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(85.3875, 0.2937, 0.3137)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | E0F0FF                     |
| RGB         | 224, 240, 255              |
| RGB Percent | 88%, 94%, 100%             |
| CMY         | 0.1216, 0.0588, 0.0000     |
| CMYK        | 0.12, 0.06, 0.00, 0.00     |
| HSL         | 209°, 100%, 94%            |
| HSV         | 209°, 12%, 100%            |
| XYZ         | 79.9436, 85.3875, 106.8637 |
| YIQ         | 236.9260, -14.3510, 1.2730 |

# Conversions

## Conversions Part 2

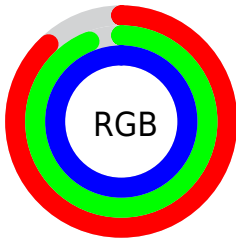
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 224, 235, 255                 |
| Decimal                             | 14741759                      |
| CIE <sub>Lab</sub>                  | 94.05, -2.38, -9.01           |
| CIE <sub>LCh</sub>                  | 94, 9.323, 255.220            |
| Yxy                                 | 85.3875, 0.2937,<br>0.3137    |
| Android<br>(android.graphics.Color) | 4292931839<br>(0xFFE0F0FF)    |
| YUV                                 | 236.9260, 8.9105,<br>-11.3361 |
| Hunter-Lab                          | 92.4054, -7.2818,<br>-3.8831  |

# Details

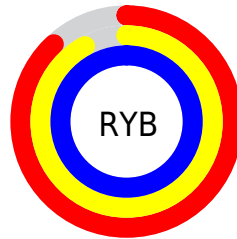
The Yxy color **85.3875, 0.2937, 0.3137** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.3446, 0.3329, 0.3438**, and the grayscale version is **84.5661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7932, 0.2901, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **74.6117, 0.2775, 0.2995**, and if you desaturate by 10%, it is **97.2734, 0.3094, 0.3264**.

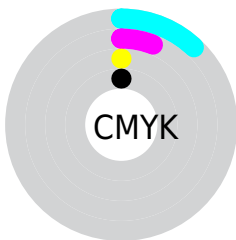
# Distribution



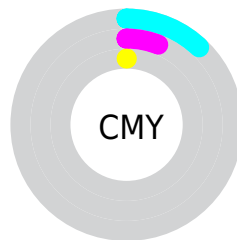
- Red (88%)
- Green (94%)
- Blue (100%)



- Red (88%)
- Yellow (92%)
- Blue (100%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3875, 0.2937, 0.3137 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 85.3875, 0.2937, 0.3137 by changing the saturation by 10% instead.



85.3875, 0.2937,  
0.3137

85.3875, 0.2937,  
0.3137

512.9094, 0.3022,  
0.3206

64.1616, 0.2918,  
0.3122

140.9144, 0.2966,  
0.3161

46.7816, 0.2895,  
0.3103

175.9843, 0.2977,  
0.3170

32.8630, 0.2867,  
0.3079

216.4376, 0.2987,  
0.3178

22.0215, 0.2830,  
0.3049

262.6587, 0.2996,  
0.3185

13.8727, 0.2782,  
0.3009

315.0320, 0.3004,  
0.3191

8.0322, 0.2715,  
0.2953

373.9420, 0.3011,

4.1156, 0.2616,

0.3197

0.2869

439.7730, 0.3017,  
0.3202

■ 1.7384, 0.2456,  
0.2732

■ 0.4483, 0.1894,  
0.2307

■ 85.3875, 0.2937,  
0.3137

■ 85.3875, 0.2937,  
0.3137

■ 74.6117, 0.2775,  
0.2995

■ 97.2734, 0.3094,  
0.3264

■ 64.8985, 0.2611,  
0.2840

99.9992, 0.3127,  
0.3290

■ 56.2123, 0.2449,  
0.2671

■ 48.5111, 0.2292,  
0.2491

■ 41.7496, 0.2148,  
0.2303

■ 35.8774, 0.2019,  
0.2112

■ 30.8381, 0.1912,  
0.1922

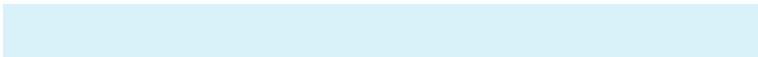
■ 26.5654, 0.1829,  
0.1739

■ 23.6800, 0.1779,  
0.1603

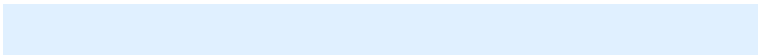
# Harmonies

## Analogous

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



85.3875, 0.2923, 0.3207



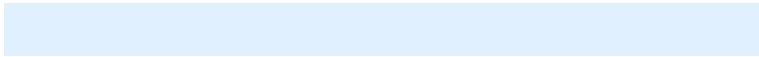
85.3875, 0.2937, 0.3137



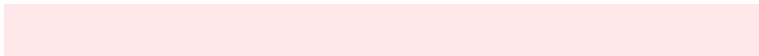
85.3875, 0.3001, 0.3109

# Triad

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



85.3875, 0.2937, 0.3137



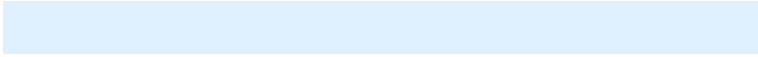
85.3875, 0.3294, 0.3276



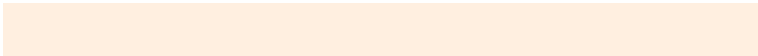
85.3875, 0.3152, 0.3459

# Complementary

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



85.3875, 0.2937, 0.3137



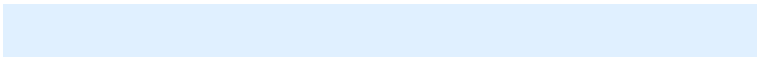
88.3446, 0.3329, 0.3438

# Split Complementary

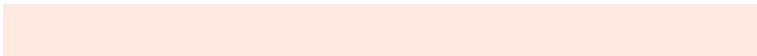
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3875, 0.3253, 0.3476



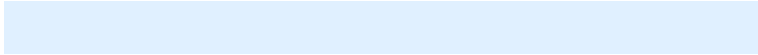
85.3875, 0.2937, 0.3137



85.3875, 0.3336, 0.3368

# Square

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



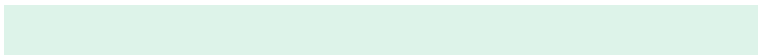
85.3875, 0.2937, 0.3137



85.3875, 0.3207, 0.3189



85.3875, 0.3320, 0.3441

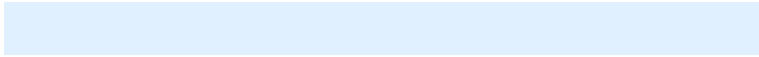


85.3875, 0.3046, 0.3395



# Rectangle

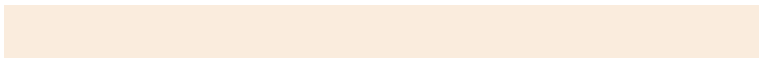
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3875, 0.2937, 0.3137



85.3875, 0.3064, 0.3117



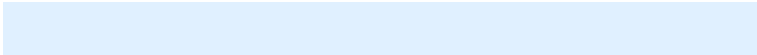
85.3875, 0.3320, 0.3441



85.3875, 0.3188, 0.3471

# Sweetspot

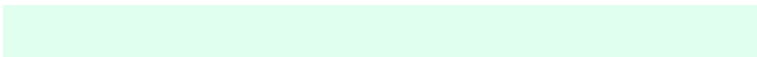
The Sweet Spot groups the original color and five complimentary colors.



85.3911, 0.2937, 0.3137



95.0138, 0.3066, 0.3242



93.5555, 0.3031, 0.3458



20.1405, 0.3054, 0.3233



0.0000, 0.0000, 0.0000

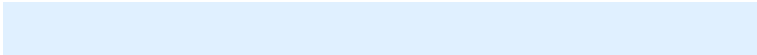


21.4041, 0.3127, 0.3290

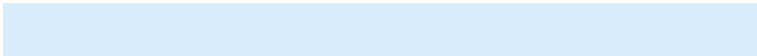


# Same Dimension

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



85.3911, 0.2937, 0.3137



82.2288, 0.2891, 0.3098



76.9210, 0.2934, 0.2980



18.9315, 0.2979, 0.3172



12.6754, 0.1787, 0.1631



1.4530, 0.1842, 0.1832



# Inverse Universe

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



80.8502, 0.3240, 0.3132



76.8438, 0.3270, 0.3094



97.4926, 0.3311, 0.3582



18.1439, 0.3213, 0.3168



12.0075, 0.4892, 0.2468

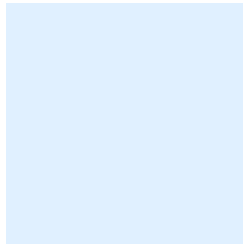


1.1912, 0.4647, 0.2334



# Previews

## White Background



This preview shows how the Yxy color 85.3875, 0.2937, 0.3137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

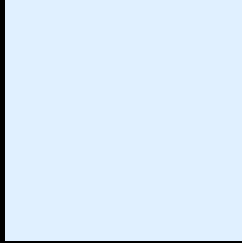
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.3875, 0.2937, 0.3137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

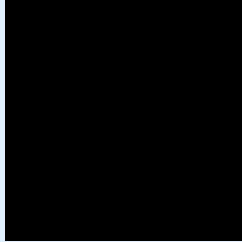
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

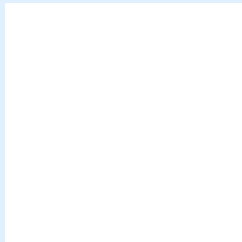
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.3875, 0.2937, 0.3137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.3875, 0.2937, 0.3137.



This preview shows how white text looks on a background with the Yxy color 85.3875, 0.2937, 0.3137.

# 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

85.3875, 0.2937, 0.3137

### Protanopia

85.0873, 0.3030, 0.3120

### Deuteranopia

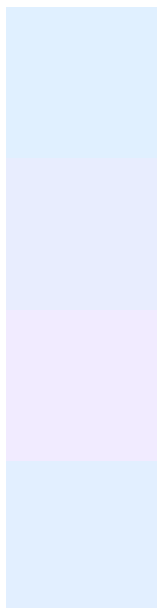
85.4425, 0.3111, 0.3066



## Tritanopia

85.2839, 0.2955, 0.3127

# Trichromacy



## Original Color

85.3875, 0.2937, 0.3137

## Protanomaly

84.8799, 0.2992, 0.3118

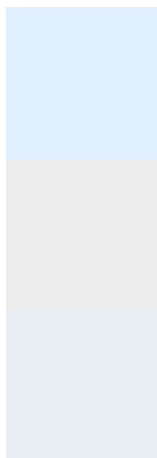
## Deuteranomaly

85.3374, 0.3044, 0.3092

## Tritanomaly

85.1218, 0.2949, 0.3127

# Monochromacy



## Original Color

85.3875, 0.2937, 0.3137

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.8365, 0.3052, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.3875, 0.2937, 0.3137 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(224, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.3875, 0.2937, 0.3137 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(224, 240, 255) }
```

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

```
.border{ border-color:rgb(224, 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(224, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.3875, 0.2937, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 240, 255) }
```

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

```
.background{ background-color: rgb(224,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor