

Converting Colors

$Yxy(85.1868, 0.2837, 0.3174)$

Have a look what the booklet for
Yxy(85.1868, 0.2837, 0.3174)
contains.

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Color

Yxy(85.1868, 0.2837, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	CFF4FF
RGB	207, 244, 255
RGB Percent	81%, 96%, 100%
CMY	0.1881, 0.0432, 0.0000
CMYK	0.19, 0.04, 0.00, 0.00
HSL	194°, 100%, 91%
HSV	194°, 19%, 100%
XYZ	76.1421, 85.1868, 107.0605
YIQ	234.1910, -25.5830, -4.4230

Conversions

Conversions Part 2

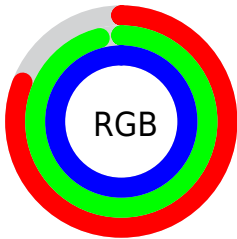
Format	Color
R_{YB}	207, 228, 255
Decimal	13628671
CIE Lab	93.96, -9.61, -9.29
CIE LCh	94, 13.363, 224.018
Yxy	85.1868, 0.2837, 0.3174
Android (android.graphics.Color)	4291818751 (0xFFCFF4FF)
YUV	234.1910, 10.2588, -23.8465
Hunter-Lab	92.2967, -14.2619, -4.1664

Details

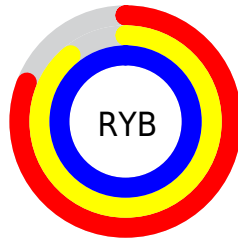
The Yxy color **85.1868, 0.2837, 0.3174** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.9272, 0.3477, 0.3403**, and the grayscale version is **82.3713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7191, 0.2776, 0.3154** is the 20% darker color. If you saturate the color by 10%, you get **78.3419, 0.2689, 0.3105**, and if you desaturate by 10%, it is **92.7398, 0.2990, 0.3238**.

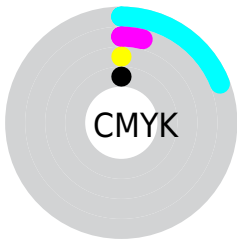
Distribution



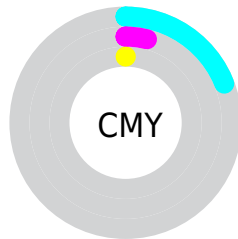
- Red (81%)
- Green (96%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1868, 0.2837, 0.3174 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 85.1868, 0.2837, 0.3174 by changing the saturation by 10% instead.

85.1868, 0.2837,
0.3174

85.1868, 0.2837,
0.3174

512.2460, 0.2966,
0.3228

63.9957, 0.2809,
0.3162

140.6341, 0.2881,
0.3193

46.6472, 0.2774,
0.3147

175.6592, 0.2898,
0.3200

32.7569, 0.2731,
0.3128

216.0644, 0.2913,
0.3206

21.9402, 0.2676,
0.3103

262.2341, 0.2927,
0.3211

13.8130, 0.2604,
0.3070

314.5527, 0.2938,
0.3216

7.9907, 0.2505,
0.3022

373.4046, 0.2949,

4.0890, 0.2359,

0.3220

0.2949

439.1743, 0.2958,
0.3224

1.7235, 0.2128,
0.2824

0.4388, 0.1038,
0.2497

85.1868, 0.2837,
0.3174

85.1868, 0.2837,
0.3174

78.3419, 0.2689,
0.3105

92.7398, 0.2990,
0.3238

72.1709, 0.2548,
0.3030

100.0000, 0.3127,
0.3290

66.6435, 0.2420,
0.2950

61.7251, 0.2306,
0.2867

■ 57.3770, 0.2209,
0.2782

■ 53.5554, 0.2132,
0.2696

■ 50.2084, 0.2075,
0.2611

■ 47.2616, 0.2036,
0.2526

■ 46.9267, 0.2032,
0.2516

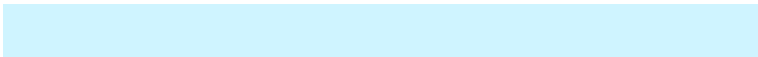
Harmonies

Analogous

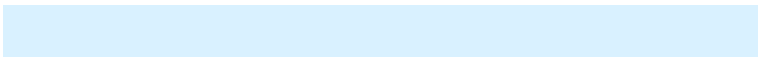
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1868, 0.2896, 0.3311



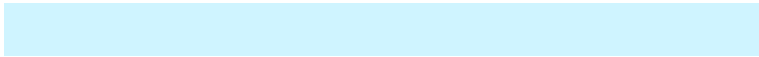
85.1868, 0.2837, 0.3174



85.1868, 0.2853, 0.3073

Triad

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



85.1868, 0.2837, 0.3174



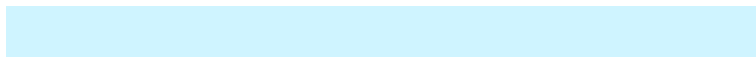
85.1868, 0.3235, 0.3141



85.1868, 0.3312, 0.3557

Complementary

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



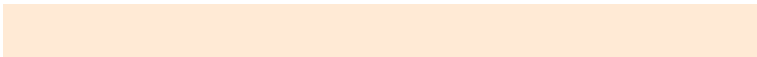
85.1868, 0.2837, 0.3174



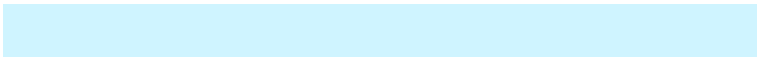
75.9272, 0.3477, 0.3403

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.



85.1868, 0.3407, 0.3503



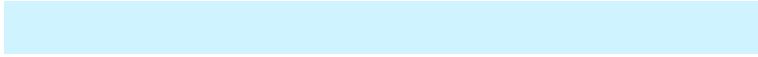
85.1868, 0.2837, 0.3174



85.1868, 0.3363, 0.3263

Square

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



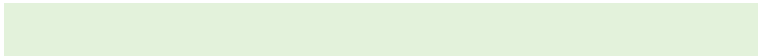
85.1868, 0.2837, 0.3174



85.1868, 0.3080, 0.3058



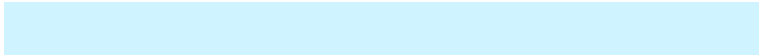
85.1868, 0.3427, 0.3394



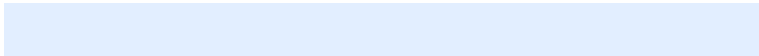
85.1868, 0.3168, 0.3537

Rectangle

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



85.1868, 0.2837, 0.3174



85.1868, 0.2905, 0.3038



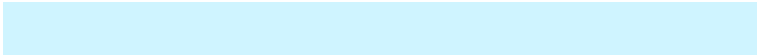
85.1868, 0.3427, 0.3394



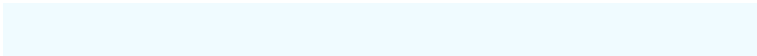
85.1868, 0.3351, 0.3546

Sweetspot

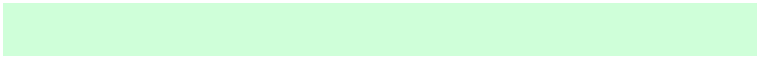
The Sweet Spot groups the original color and five complimentary colors.



85.1884, 0.2837, 0.3174



94.9938, 0.3034, 0.3255



89.8216, 0.3045, 0.3692



20.2194, 0.3024, 0.3251



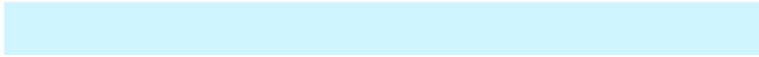
0.0000, 0.0000, 0.0000



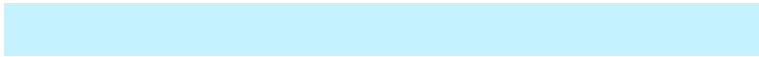
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1884, 0.2837, 0.3174



82.2368, 0.2774, 0.3146



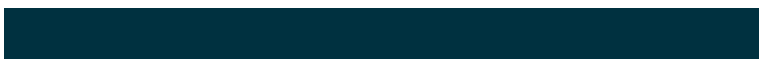
72.0031, 0.2823, 0.2922



19.7332, 0.2980, 0.3234



24.7573, 0.2036, 0.2530



2.5745, 0.2063, 0.2627

Inverse Universe

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



72.4316, 0.3226, 0.2924



67.2815, 0.3251, 0.2840



88.9192, 0.3435, 0.3633



18.2249, 0.3173, 0.3109



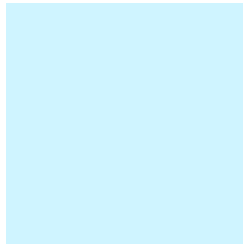
13.2272, 0.3892, 0.1918



1.3044, 0.3798, 0.1866

Previews

White Background



This preview shows how the Yxy color 85.1868, 0.2837, 0.3174 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 85.1868, 0.2837, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

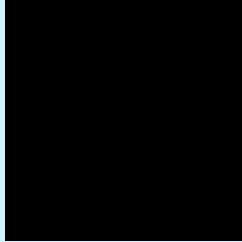
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1868, 0.2837, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 85.1868, 0.2837, 0.3174.



This preview shows how white text looks on a background with the Yxy color 85.1868, 0.2837, 0.3174.

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

85.1868, 0.2837, 0.3174

Protanopia

85.0702, 0.3055, 0.3150

Deuteranopia

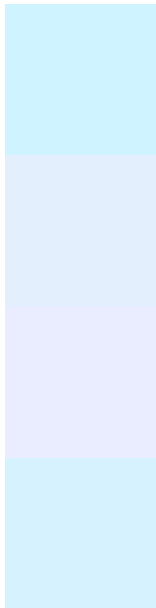
84.5116, 0.3098, 0.3055



Tritanopia

85.0360, 0.2901, 0.3145

Trichromacy



Original Color

85.1868, 0.2837, 0.3174

Protanomaly

85.0922, 0.2973, 0.3157

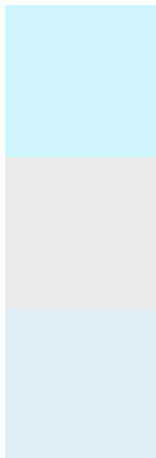
Deuteranomaly

84.7033, 0.2999, 0.3099

Tritanomaly

85.0204, 0.2877, 0.3155

Monochromacy



Original Color

85.1868, 0.2837, 0.3174

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.4072, 0.3012, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1868, 0.2837, 0.3174 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(207, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 244, 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(207, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.1868, 0.2837, 0.3174 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(207, 244, 255) }
```

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

```
.border{ border-color:rgb(207, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1868, 0.2837, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 244, 255) }
```

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

```
.background{ background-color: rgb(207,  
244, 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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