

Converting Colors

$Yxy(83.0069, 0.2849, 0.3130)$

Have a look what the booklet for
Yxy(83.0069, 0.2849, 0.3130)
contains.

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Color

Yxy(83.0955, 0.2846, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	D1F0FF
RGB	209, 240, 255
RGB Percent	82%, 94%, 100%
CMY	0.1807, 0.0587, 0.0001
CMYK	0.18, 0.06, 0.00, 0.00
HSL	199°, 100%, 91%
HSV	199°, 18%, 100%
XYZ	75.4835, 83.0955, 106.6476
YIQ	232.4410, -23.2910, -1.9070

Conversions

Conversions Part 2

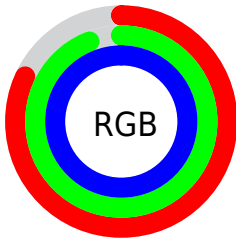
Format	Color
R _Y B	209, 228, 255
Decimal	13758719
CIE Lab	93.06, -7.04, -10.59
CIE LCh	93, 12.720, 236.390
Yxy	83.0955, 0.2846, 0.3133
Android (android.graphics.Color)	4291948799 (0xFFD1F0FF)
YUV	232.4410, 11.1216, -20.5578
Hunter-Lab	91.1567, -11.7151, -5.5558

Details

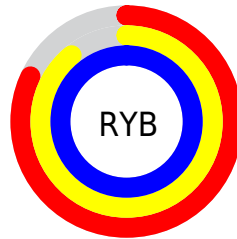
The Yxy color **83.0955, 0.2846, 0.3133** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.0940, 0.3453, 0.3442**, and the grayscale version is **80.9629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2282, 0.2787, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **74.9121, 0.2692, 0.3034**, and if you desaturate by 10%, it is **92.1030, 0.3002, 0.3224**.

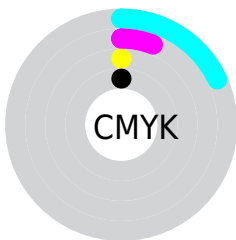
Distribution



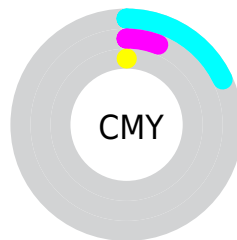
- Red (82%)
- Green (94%)
- Blue (100%)



- Red (82%)
- Yellow (89%)
- Blue (100%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0955, 0.2846, 0.3133 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 83.0955, 0.2846, 0.3133 by changing the saturation by 10% instead.

83.0955, 0.2846,
0.3133

83.0955, 0.2846,
0.3133

505.3047, 0.2972,
0.3205

62.2689, 0.2818,
0.3117

137.7092, 0.2889,
0.3158

45.2500, 0.2784,
0.3097

172.2651, 0.2906,
0.3168

31.6544, 0.2742,
0.3072

212.1663, 0.2920,
0.3176

21.0977, 0.2688,
0.3039

257.7971, 0.2933,
0.3183

13.1954, 0.2617,
0.2995

309.5420, 0.2945,
0.3190

7.5633, 0.2518,
0.2933

367.7853, 0.2955,

3.8168, 0.2373,

0.3195

0.2838

432.9114, 0.2964,
0.3200

■ 1.5716, 0.2139,
0.2677

■ 0.3383, 0.0933,
0.2109

■ 83.0955, 0.2846,
0.3133

■ 83.0955, 0.2846,
0.3133

■ 74.9121, 0.2692,
0.3034

■ 92.1030, 0.3002,
0.3224

■ 67.5113, 0.2542,
0.2927

99.9985, 0.3127,
0.3290

■ 60.8631, 0.2402,
0.2812

■ 54.9310, 0.2274,
0.2692

■ 49.6746, 0.2162,
0.2568

■ 45.0486, 0.2069,
0.2442

■ 40.9996, 0.1997,
0.2317

■ 37.4564, 0.1945,
0.2194

■ 36.8101, 0.1936,
0.2170

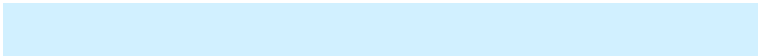
Harmonies

Analogous

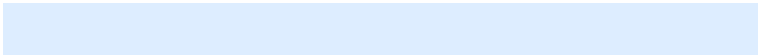
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0955, 0.2873, 0.3254



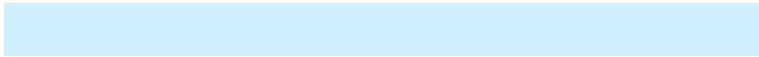
83.0955, 0.2846, 0.3133



83.0955, 0.2892, 0.3058

Triad

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



83.0955, 0.2846, 0.3133



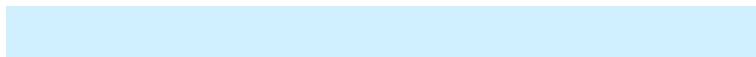
83.0955, 0.3287, 0.3192



83.0955, 0.3251, 0.3547

Complementary

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



83.0955, 0.2846, 0.3133



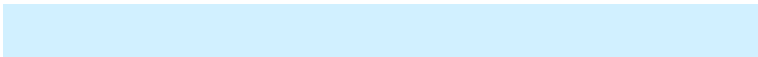
79.0940, 0.3453, 0.3442

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.



83.0955, 0.3366, 0.3523



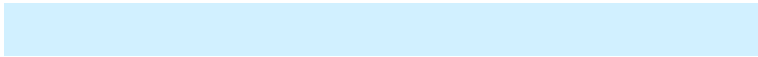
83.0955, 0.2846, 0.3133



83.0955, 0.3388, 0.3317

Square

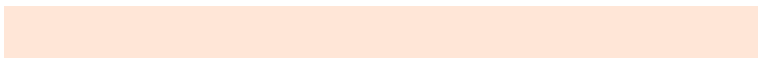
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



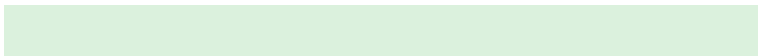
83.0955, 0.2846, 0.3133



83.0955, 0.3144, 0.3094



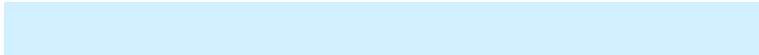
83.0955, 0.3417, 0.3438



83.0955, 0.3105, 0.3498

Rectangle

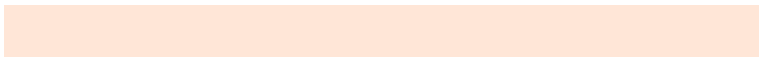
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0955, 0.2846, 0.3133



83.0955, 0.2958, 0.3042



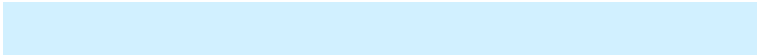
83.0955, 0.3417, 0.3438



83.0955, 0.3295, 0.3547

Sweetspot

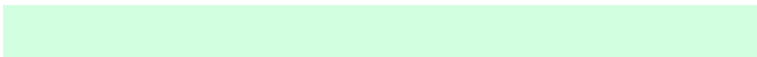
The Sweet Spot groups the original color and five complimentary colors.



83.0989, 0.2846, 0.3133



95.0498, 0.3050, 0.3249



90.4034, 0.3023, 0.3624



20.1993, 0.3039, 0.3244



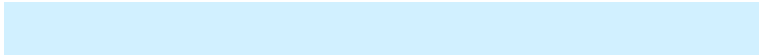
0.0000, 0.0000, 0.0000



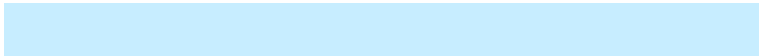
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0989, 0.2846, 0.3133



79.7972, 0.2785, 0.3095



70.5740, 0.2833, 0.2888



19.4292, 0.2980, 0.3211



19.5211, 0.1942, 0.2190



2.0995, 0.1981, 0.2331

Inverse Universe

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



73.1089, 0.3252, 0.2981



68.1632, 0.3284, 0.2911



92.0911, 0.3414, 0.3662



18.1942, 0.3188, 0.3131



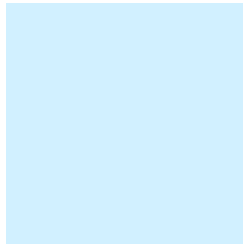
12.6986, 0.4243, 0.2111



1.2565, 0.4094, 0.2029

Previews

White Background



This preview shows how the Yxy color 83.0955, 0.2846, 0.3133 looks on a white background.

Color Contrast Check

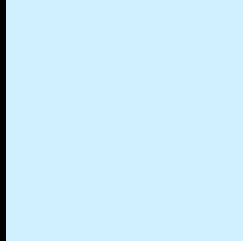
Large Text (above 18pt) WCAG AA × Fail

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 83.0955, 0.2846, 0.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

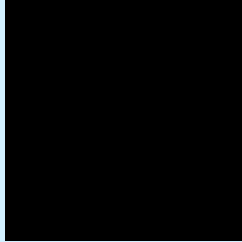
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

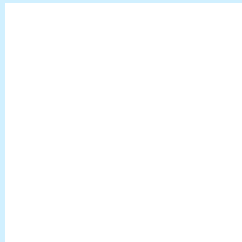
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0955, 0.2846, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 83.0955, 0.2846, 0.3133.



This preview shows how white text looks on a background with the Yxy color 83.0955, 0.2846, 0.3133.

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

83.0955, 0.2846, 0.3133

Protanopia

82.7353, 0.3023, 0.3108

Deuteranopia

82.8515, 0.3079, 0.3034



Tritanopia

83.2491, 0.2876, 0.3123

Trichromacy



Original Color

83.0955, 0.2846, 0.3133

Protanomaly

83.0267, 0.2960, 0.3126

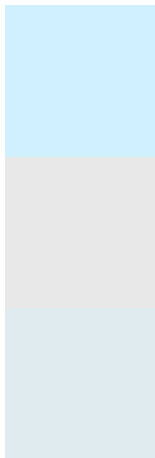
Deuteranomaly

82.8215, 0.2993, 0.3068

Tritanomaly

82.9501, 0.2864, 0.3123

Monochromacy



Original Color

83.0955, 0.2846, 0.3133

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5552, 0.3024, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0955, 0.2846, 0.3133 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(209, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.0955, 0.2846, 0.3133 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(209, 240, 255) }
```

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

```
.border{ border-color:rgb(209, 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(209, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0955, 0.2846, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 240, 255) }
```

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

```
.background{ background-color: rgb(209,  
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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