

Converting Colors

$Yxy(83.8978, 0.2848, 0.3147)$

Have a look what the booklet for
Yxy(83.8978, 0.2848, 0.3147)
contains.

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Color

Yxy(83.6859, 0.2847, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	D1F1FF
RGB	209, 241, 255
RGB Percent	82%, 95%, 100%
CMY	0.1803, 0.0549, 0.0000
CMYK	0.18, 0.05, 0.00, 0.00
HSL	198°, 100%, 91%
HSV	198°, 18%, 100%
XYZ	75.8046, 83.6859, 106.7707
YIQ	233.0280, -23.5660, -2.4300

Conversions

Conversions Part 2

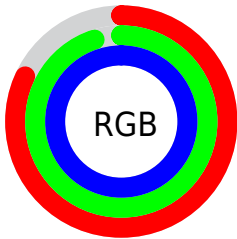
Format	Color
R _Y B	209, 228, 255
Decimal	13758975
CIE Lab	93.31, -7.50, -10.23
CIE LCh	93, 12.679, 233.756
Yxy	83.6859, 0.2847, 0.3143
Android (android.graphics.Color)	4291949055 (0xFFD1F1FF)
YUV	233.0280, 10.8322, -21.0726
Hunter-Lab	91.4800, -12.1766, -5.1642

Details

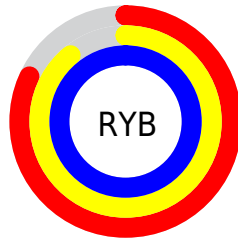
The Yxy color **83.6859, 0.2847, 0.3143** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6515, 0.3454, 0.3432**, and the grayscale version is **81.4421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6452, 0.2788, 0.3114** is the 20% darker color. If you saturate the color by 10%, you get **75.7623, 0.2694, 0.3050**, and if you desaturate by 10%, it is **92.4066, 0.3003, 0.3228**.

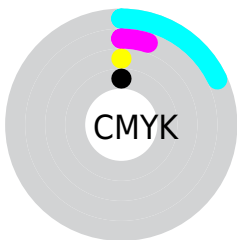
Distribution



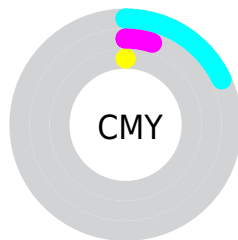
- Red (82%)
- Green (95%)
- Blue (100%)



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



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6859, 0.2847, 0.3143 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 83.6859, 0.2847, 0.3143 by changing the saturation by 10% instead.

83.6859, 0.2847,
0.3143

83.6859, 0.2847,
0.3143

507.2696, 0.2972,
0.3211

62.7561, 0.2819,
0.3128

138.5357, 0.2890,
0.3166

45.6440, 0.2786,
0.3109

173.2246, 0.2906,
0.3175

31.9650, 0.2744,
0.3085

213.2686, 0.2921,
0.3183

21.3347, 0.2690,
0.3055

259.0521, 0.2934,
0.3190

13.3689, 0.2620,
0.3013

310.9596, 0.2945,
0.3196

7.6831, 0.2522,
0.2955

369.3754, 0.2955,

3.8928, 0.2378,

0.3201

0.2866

434.6839, 0.2964,
0.3206

■ 1.6138, 0.2148,
0.2715

■ 0.3669, 0.1001,
0.2217

■ 83.6859, 0.2847,
0.3143

■ 83.6859, 0.2847,
0.3143

■ 75.7623, 0.2694,
0.3050

■ 92.4066, 0.3003,
0.3228

■ 68.5963, 0.2546,
0.2950

100.0000, 0.3127,
0.3290

■ 62.1579, 0.2408,
0.2843

■ 56.4111, 0.2282,
0.2731

■ 51.3163, 0.2173,
0.2615

■ 46.8284, 0.2084,
0.2498

■ 42.8949, 0.2015,
0.2381

■ 39.4454, 0.1965,
0.2266

■ 38.8040, 0.1957,
0.2244

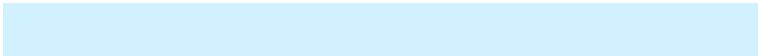
Harmonies

Analogous

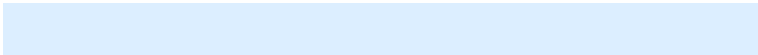
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6859, 0.2881, 0.3266



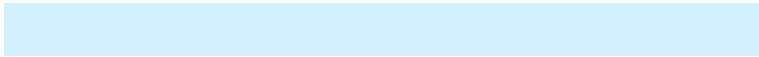
83.6859, 0.2847, 0.3143



83.6859, 0.2886, 0.3063

Triad

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



83.6859, 0.2847, 0.3143



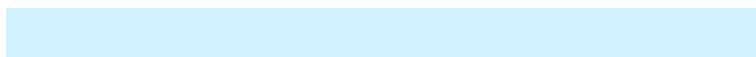
83.6859, 0.3275, 0.3183



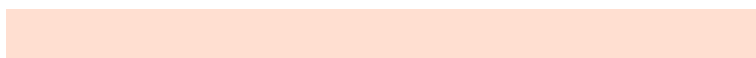
83.6859, 0.3262, 0.3546

Complementary

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



83.6859, 0.2847, 0.3143



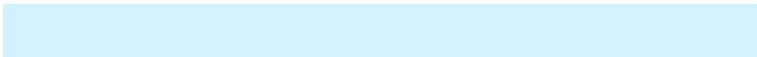
78.6515, 0.3454, 0.3432

Split Complementary

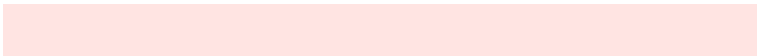
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6859, 0.3372, 0.3517



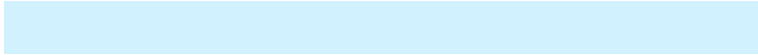
83.6859, 0.2847, 0.3143



83.6859, 0.3380, 0.3306

Square

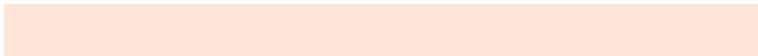
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



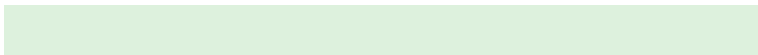
83.6859, 0.2847, 0.3143



83.6859, 0.3131, 0.3089



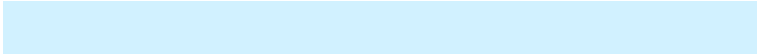
83.6859, 0.3416, 0.3427



83.6859, 0.3118, 0.3504

Rectangle

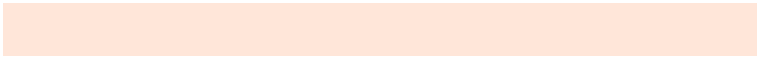
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6859, 0.2847, 0.3143



83.6859, 0.2949, 0.3044



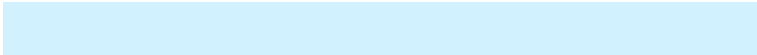
83.6859, 0.3416, 0.3427



83.6859, 0.3305, 0.3544

Sweetspot

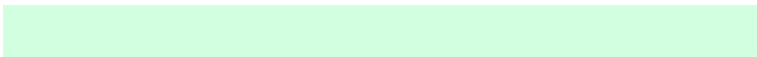
The Sweet Spot groups the original color and five complimentary colors.



83.6888, 0.2847, 0.3143



95.2094, 0.3050, 0.3252



90.3962, 0.3027, 0.3632



20.2382, 0.3039, 0.3246



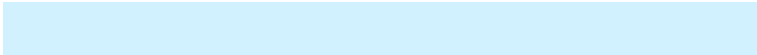
0.0000, 0.0000, 0.0000



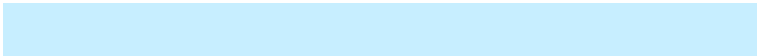
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6888, 0.2847, 0.3143



80.4496, 0.2786, 0.3107



71.0340, 0.2834, 0.2897



19.4929, 0.2980, 0.3216



20.5517, 0.1962, 0.2263



2.1940, 0.1998, 0.2394

Inverse Universe

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



73.2223, 0.3245, 0.2973



68.2291, 0.3276, 0.2901



91.6571, 0.3415, 0.3654



18.2006, 0.3185, 0.3126



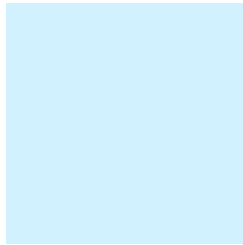
12.8027, 0.4166, 0.2068



1.2660, 0.4030, 0.1993

Previews

White Background



This preview shows how the Yxy color 83.6859, 0.2847, 0.3143 looks on a white background.

Color Contrast Check

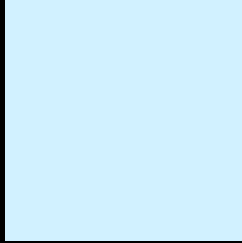
Large Text (above 18pt) WCAG AA × Fail

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 83.6859, 0.2847, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

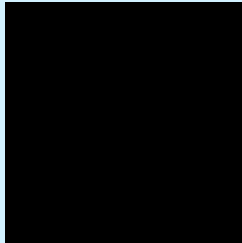
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

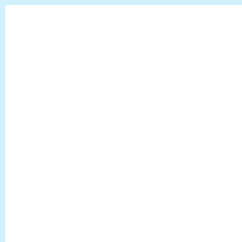
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6859, 0.2847, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 83.6859, 0.2847, 0.3143.

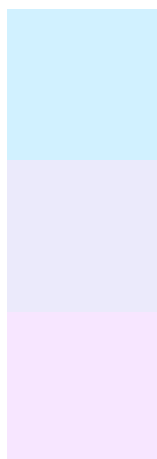


This preview shows how white text looks on a background with the Yxy color 83.6859, 0.2847, 0.3143.

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

83.6859, 0.2847, 0.3143

Protanopia

83.4728, 0.3030, 0.3118

Deuteranopia

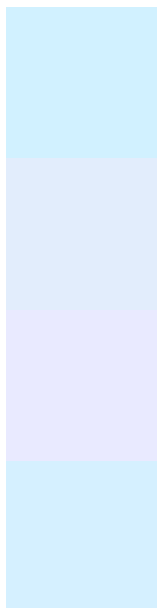
83.5878, 0.3085, 0.3044



Tritanopia

83.4001, 0.2882, 0.3124

Trichromacy



Original Color

83.6859, 0.2847, 0.3143

Protanomaly

83.7654, 0.2966, 0.3136

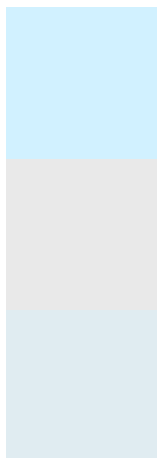
Deuteranomaly

83.3893, 0.2993, 0.3078

Tritanomaly

83.6863, 0.2870, 0.3134

Monochromacy



Original Color

83.6859, 0.2847, 0.3143

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1891, 0.3018, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6859, 0.2847, 0.3143 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 241, 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, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.6859, 0.2847, 0.3143 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, 241, 255) }
```

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

```
.border{ border-color:rgb(209, 241, 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, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6859, 0.2847, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 241, 255) }
```

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

```
.background{ background-color: rgb(209,  
241, 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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