

Converting Colors

$Yxy(84.6484, 0.2776, 0.2974)$

Have a look what the booklet for
Yxy(84.6484, 0.2776, 0.2974)
contains.

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Color

Yxy(83.5372, 0.2864, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	D4F0FF
RGB	212, 240, 255
RGB Percent	83%, 94%, 100%
CMY	0.1686, 0.0588, 0.0000
CMYK	0.17, 0.06, 0.00, 0.00
HSL	201°, 100%, 92%
HSV	201°, 17%, 100%
XYZ	76.3647, 83.5372, 106.7346
YIQ	233.3380, -21.5030, -1.2710

Conversions

Conversions Part 2

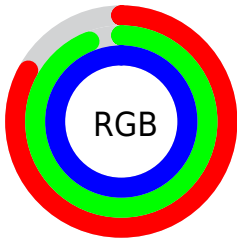
Format	Color
R _Y B	212, 229, 255
Decimal	13955327
CIE Lab	93.25, -6.08, -10.32
CIE LCh	93, 11.973, 239.493
Yxy	83.5372, 0.2864, 0.3133
Android (android.graphics.Color)	4292145407 (0xFFD4F0FF)
YUV	233.3380, 10.6794, -18.7134
Hunter-Lab	91.3987, -10.8089, -5.2593

Details

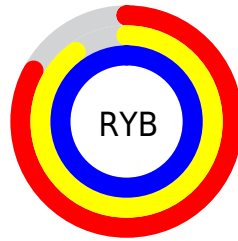
The Yxy color **83.5372, 0.2864, 0.3133** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.9491, 0.3426, 0.3442**, and the grayscale version is **81.6835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5263, 0.2809, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **74.9345, 0.2708, 0.3028**, and if you desaturate by 10%, it is **92.9975, 0.3021, 0.3230**.

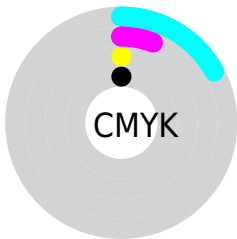
Distribution



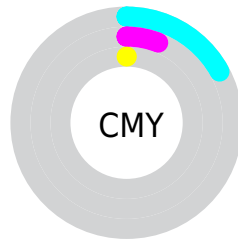
- Red (83%)
- Green (94%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5372, 0.2864, 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 83.5372, 0.2864, 0.3133 by changing the saturation by 10% instead.

83.5372, 0.2864,
0.3133

83.5372, 0.2864,
0.3133

506.7751, 0.2982,
0.3205

62.6334, 0.2838,
0.3117

138.3276, 0.2904,
0.3158

45.5447, 0.2806,
0.3097

172.9830, 0.2920,
0.3167

31.8867, 0.2767,
0.3072

212.9911, 0.2934,
0.3176

21.2750, 0.2716,
0.3040

258.7362, 0.2946,
0.3183

13.3251, 0.2649,
0.2996

310.6028, 0.2956,
0.3189

7.6528, 0.2557,
0.2935

368.9752, 0.2966,

3.8736, 0.2421,

0.3195

0.2842

434.2378, 0.2974,
0.3200

■ 1.6031, 0.2202,
0.2686

■ 0.3597, 0.1156,
0.2149

■ 83.5372, 0.2864,
0.3133

■ 83.5372, 0.2864,
0.3133

■ 74.9345, 0.2708,
0.3028

■ 92.9975, 0.3021,
0.3230

■ 67.1541, 0.2556,
0.2913

100.0000, 0.3127,
0.3290

■ 60.1631, 0.2411,
0.2790

■ 53.9248, 0.2278,
0.2661

■ 48.3985, 0.2161,
0.2527

■ 43.5387, 0.2062,
0.2391

■ 39.2924, 0.1984,
0.2255

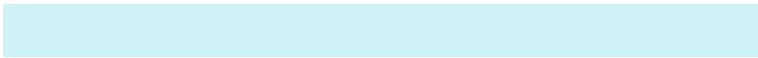
■ 35.5937, 0.1927,
0.2123

■ 34.5163, 0.1912,
0.2082

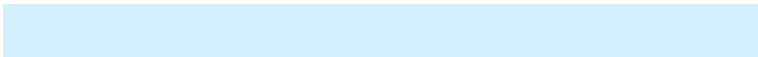
Harmonies

Analogous

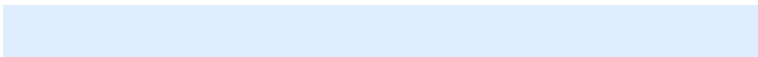
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5372, 0.2883, 0.3244



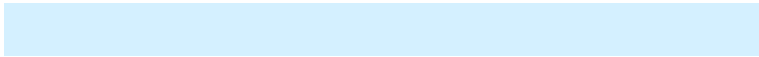
83.5372, 0.2864, 0.3133



83.5372, 0.2914, 0.3068

Triad

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



83.5372, 0.2864, 0.3133



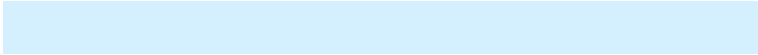
83.5372, 0.3289, 0.3210



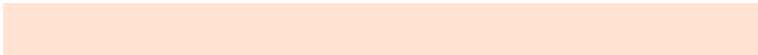
83.5372, 0.3230, 0.3530

Complementary

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



83.5372, 0.2864, 0.3133



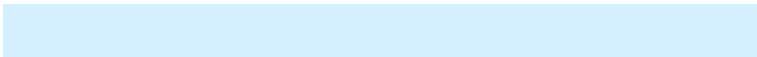
80.9491, 0.3426, 0.3442

Split Complementary

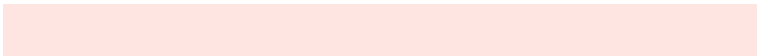
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5372, 0.3343, 0.3515



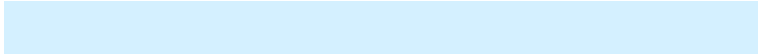
83.5372, 0.2864, 0.3133



83.5372, 0.3378, 0.3328

Square

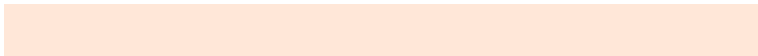
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



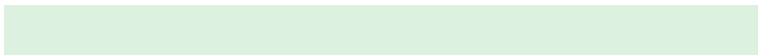
83.5372, 0.2864, 0.3133



83.5372, 0.3158, 0.3113



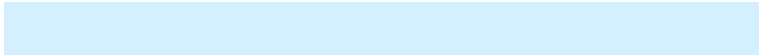
83.5372, 0.3397, 0.3440



83.5372, 0.3092, 0.3477

Rectangle

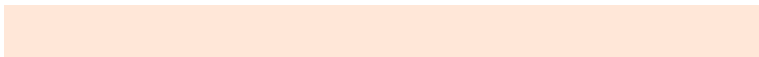
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5372, 0.2864, 0.3133



83.5372, 0.2980, 0.3057



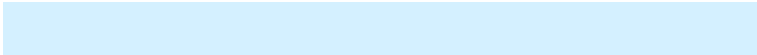
83.5372, 0.3397, 0.3440



83.5372, 0.3273, 0.3532

Sweetspot

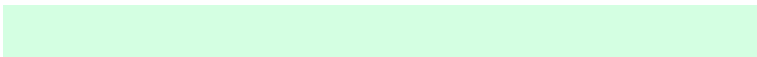
The Sweet Spot groups the original color and five complimentary colors.



83.5385, 0.2864, 0.3133



94.8571, 0.3050, 0.3246



91.0260, 0.3026, 0.3592



20.1525, 0.3039, 0.3240



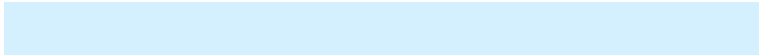
0.0000, 0.0000, 0.0000



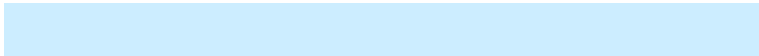
21.4041, 0.3127, 0.3290

Same Dimension

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



83.5385, 0.2864, 0.3133



80.7492, 0.2815, 0.3101



71.9660, 0.2854, 0.2910



19.3524, 0.2980, 0.3205



18.3260, 0.1918, 0.2103



1.9892, 0.1960, 0.2254

Inverse Universe

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



74.6374, 0.3250, 0.3013



70.5726, 0.3277, 0.2959



93.0455, 0.3393, 0.3644



18.1864, 0.3192, 0.3136



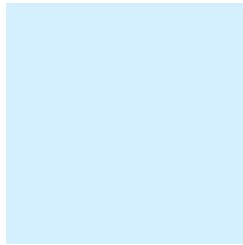
12.5780, 0.4337, 0.2163



1.2454, 0.4175, 0.2073

Previews

White Background



This preview shows how the Yxy color 83.5372, 0.2864, 0.3133 looks on a white background.

Color Contrast Check

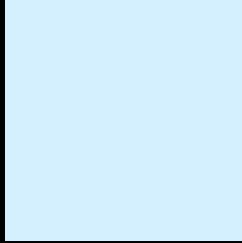
Large Text (above 18pt) WCAG AA × Fail

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 83.5372, 0.2864, 0.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

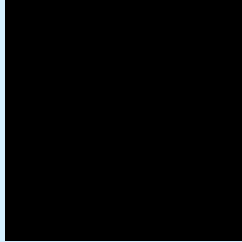
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

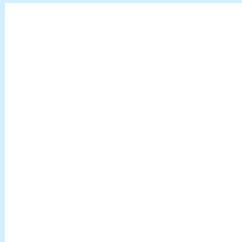
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5372, 0.2864, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 83.5372, 0.2864, 0.3133.

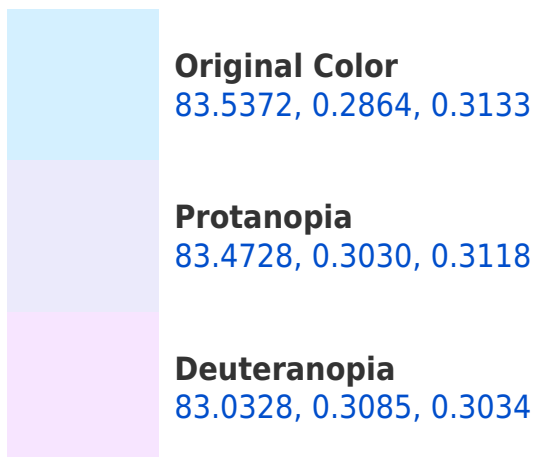


This preview shows how white text looks on a background with the Yxy color 83.5372, 0.2864, 0.3133.

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

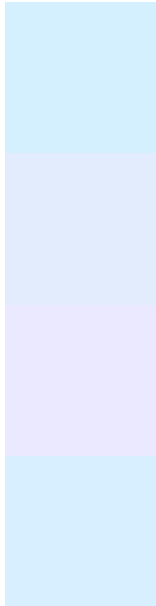




Tritanopia

83.5519, 0.2888, 0.3124

Trichromacy



Original Color

83.5372, 0.2864, 0.3133

Protanomaly

83.3501, 0.2972, 0.3126

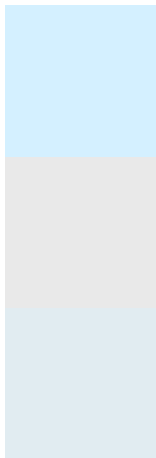
Deuteranomaly

82.9903, 0.2999, 0.3068

Tritanomaly

83.4001, 0.2882, 0.3124

Monochromacy



Original Color

83.5372, 0.2864, 0.3133

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.3493, 0.3025, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5372, 0.2864, 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(212, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.5372, 0.2864, 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(212, 240, 255) }
```

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

```
.border{ border-color:rgb(212, 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(212, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5372, 0.2864, 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(212, 240, 255) }
```

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

```
.background{ background-color: rgb(212,  
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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