

Converting Colors

$Yxy(82.8574, 0.2827, 0.3183)$

Have a look what the booklet for
Yxy(82.8574, 0.2827, 0.3183)
contains.

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Color

Yxy(83.0891, 0.2823, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	CAF2FC
RGB	202, 242, 252
RGB Percent	79%, 95%, 99%
CMY	0.2076, 0.0510, 0.0117
CMYK	0.20, 0.04, 0.00, 0.01
HSL	192°, 89%, 89%
HSV	192°, 20%, 99%
XYZ	73.6917, 83.0891, 104.2595
YIQ	231.1800, -27.0500, -5.3700

Conversions

Conversions Part 2

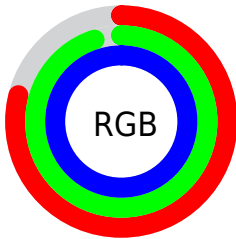
Format	Color
R _{YB}	202, 224, 252
Decimal	13300476
CIE _{Lab}	93.05, -10.72, -9.10
CIE _{LCh}	93, 14.067, 220.336
Yxy	83.0891, 0.2823, 0.3183
Android (android.graphics.Color)	4291490556 (0xFFCAF2FC)
YUV	231.1800, 10.2643, -25.5909
Hunter-Lab	91.1532, -15.2121, -4.0076

Details

The Yxy color **83.0891, 0.2823, 0.3183** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0895, 0.3502, 0.3394**, and the grayscale version is **79.9985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2610, 0.2758, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **76.8904, 0.2677, 0.3122**, and if you desaturate by 10%, it is **89.9519, 0.2975, 0.3239**.

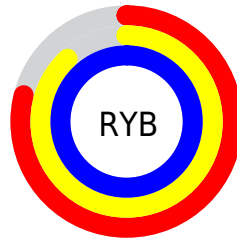
Distribution



Red (79%)

Green (95%)

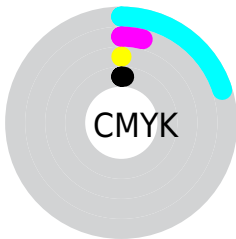
Blue (99%)



Red (79%)

Yellow (88%)

Blue (99%)

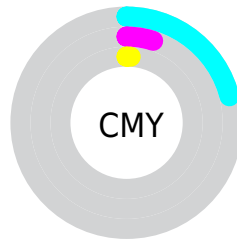


Cyan (20%)

Magenta (4%)

Yellow (0%)

Black (1%)



Cyan (21%)

Magenta (5%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0891, 0.2823, 0.3183 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 83.0891, 0.2823, 0.3183 by changing the saturation by 10% instead.

83.0891, 0.2823,
0.3183

83.0891, 0.2823,
0.3183

505.2834, 0.2959,
0.3233

62.2637, 0.2793,
0.3172

137.7002, 0.2869,
0.3200

45.2458, 0.2756,
0.3157

172.2547, 0.2888,
0.3207

31.6511, 0.2711,
0.3139

212.1544, 0.2903,
0.3213

21.0951, 0.2653,
0.3116

257.7835, 0.2917,
0.3218

13.1935, 0.2576,
0.3083

309.5266, 0.2930,
0.3222

7.5620, 0.2469,
0.3037

367.7680, 0.2941,

3.8160, 0.2313,

0.3226

0.2965

432.8922, 0.2950,
0.3230

1.5712, 0.2062,
0.2838

0.3380, 0.0424,
0.2410

83.0891, 0.2823,
0.3183

83.0891, 0.2823,
0.3183

76.8904, 0.2677,
0.3122

89.9519, 0.2975,
0.3239

71.3171, 0.2540,
0.3056

97.4951, 0.3130,
0.3291

66.3418, 0.2416,
0.2987

99.8092, 0.3144,
0.3318

61.9307, 0.2308,
0.2915

■ 58.0464, 0.2218,
0.2842

■ 54.6458, 0.2147,
0.2768

■ 51.6781, 0.2096,
0.2694

■ 49.0615, 0.2062,
0.2621

■ 49.0172, 0.2061,
0.2620

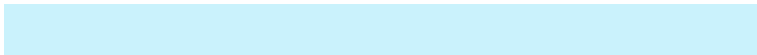
Harmonies

Analogous

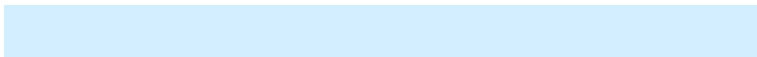
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0891, 0.2894, 0.3331



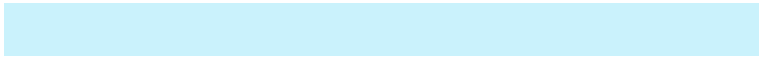
83.0891, 0.2823, 0.3183



83.0891, 0.2830, 0.3070

Triad

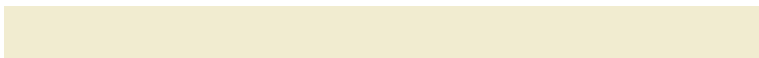
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0891, 0.2823, 0.3183



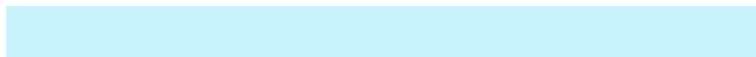
83.0891, 0.3222, 0.3119



83.0891, 0.3339, 0.3570

Complementary

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



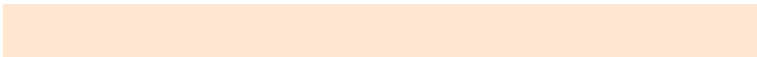
83.0891, 0.2823, 0.3183



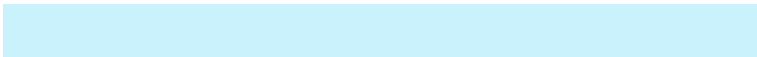
72.0895, 0.3502, 0.3394

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.



83.0891, 0.3432, 0.3504



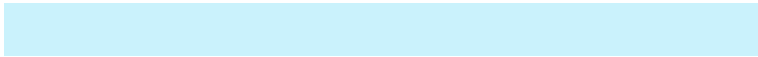
83.0891, 0.2823, 0.3183



83.0891, 0.3364, 0.3244

Square

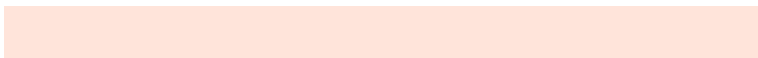
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0891, 0.2823, 0.3183



83.0891, 0.3058, 0.3037



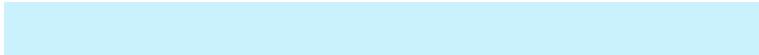
83.0891, 0.3441, 0.3384



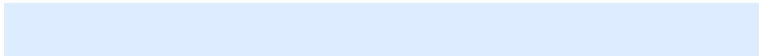
83.0891, 0.3191, 0.3560

Rectangle

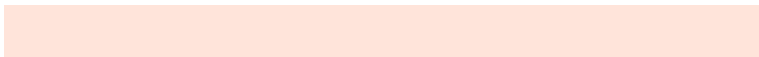
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



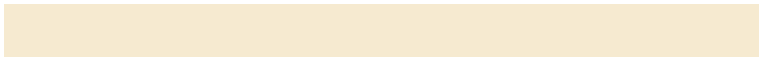
83.0891, 0.2823, 0.3183



83.0891, 0.2879, 0.3028



83.0891, 0.3441, 0.3384



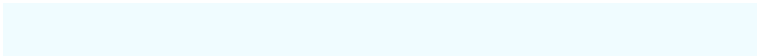
83.0891, 0.3378, 0.3556

Sweetspot

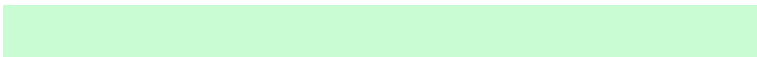
The Sweet Spot groups the original color and five complimentary colors.



83.0925, 0.2823, 0.3183



95.2702, 0.3034, 0.3260



86.9493, 0.3046, 0.3726



20.2849, 0.3024, 0.3256



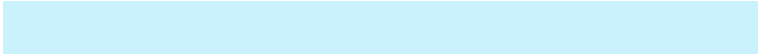
0.0000, 0.0000, 0.0000



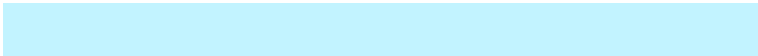
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0925, 0.2823, 0.3183



82.5986, 0.2761, 0.3158



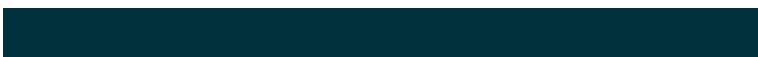
69.2402, 0.2806, 0.2910



18.9823, 0.2980, 0.3241



25.7450, 0.2065, 0.2632



2.5293, 0.2089, 0.2719

Inverse Universe

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



69.3744, 0.3221, 0.2891



66.2090, 0.3245, 0.2804



85.5481, 0.3454, 0.3643



17.4614, 0.3169, 0.3102



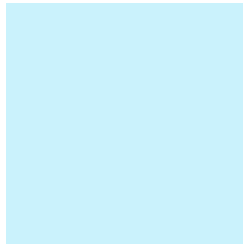
13.0099, 0.3793, 0.1863



1.2196, 0.3710, 0.1817

Previews

White Background



This preview shows how the Yxy color 83.0891, 0.2823, 0.3183 looks on a white background.

Color Contrast Check

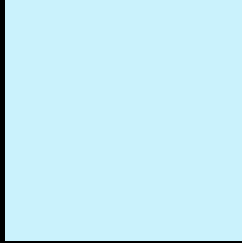
Large Text (above 18pt) WCAG AA × Fail

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 83.0891, 0.2823, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

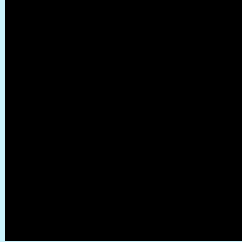
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.0891, 0.2823, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 83.0891, 0.2823, 0.3183.

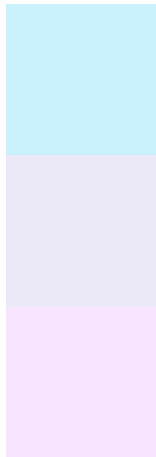


This preview shows how white text looks on a background with the Yxy color 83.0891, 0.2823, 0.3183.

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

83.0891, 0.2823, 0.3183

Protanopia

82.6554, 0.3054, 0.3148

Deuteranopia

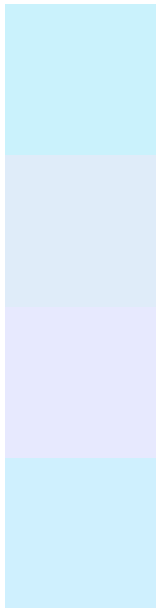
82.6633, 0.3092, 0.3025



Tritanopia

82.6546, 0.2852, 0.3122

Trichromacy



Original Color

83.0891, 0.2823, 0.3183

Protanomaly

82.5184, 0.2965, 0.3155

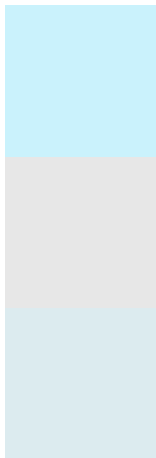
Deuteranomaly

82.4225, 0.2986, 0.3077

Tritanomaly

82.7413, 0.2840, 0.3142

Monochromacy



Original Color

83.0891, 0.2823, 0.3183

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.8643, 0.3004, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0891, 0.2823, 0.3183 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(202, 242, 252)` looks like.

```
.text, #text, p{  
    color:rgb(202, 242, 252)  
}
```

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(202, 242, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.0891, 0.2823, 0.3183 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(202, 242, 252) }
```

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

```
.border{ border-color:rgb(202, 242, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 242, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 242, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 242, 252);  
box-shadow:4px 4px 4px 4px rgb(202, 242,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0891, 0.2823, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 242, 252) }
```

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

```
.background{ background-color: rgb(202,  
242, 252) }
```

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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