

Converting Colors

Yxy(83.7605, 0.2849, 0.3180)

Have a look what the booklet for
Yxy(83.7605, 0.2849, 0.3180)
contains.

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Color

Yxy(83.7979, 0.2852, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	CFF2FC
RGB	207, 242, 252
RGB Percent	81%, 95%, 99%
CMY	0.1882, 0.0510, 0.0117
CMYK	0.18, 0.04, 0.00, 0.01
HSL	193°, 88%, 90%
HSV	193°, 18%, 99%
XYZ	75.0602, 83.7979, 104.3263
YIQ	232.6750, -24.0700, -4.3100

Conversions

Conversions Part 2

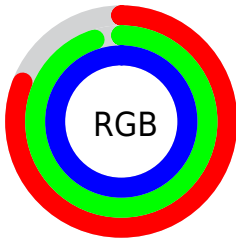
Format	Color
R_{YB}	207, 227, 252
Decimal	13628156
CIE _{Lab}	93.36, -9.23, -8.61
CIE _{LCh}	93, 12.625, 223.025
Yxy	83.7979, 0.2852, 0.3184
Android (android.graphics.Color)	4291818236 (0xFFCFF2FC)
YUV	232.6750, 9.5272, -22.5170
Hunter-Lab	91.5412, -13.8341, -3.4919

Details

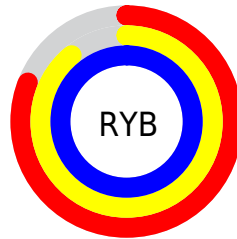
The Yxy color **83.7979, 0.2852, 0.3184** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8486, 0.3457, 0.3394**, and the grayscale version is **81.1740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7333, 0.2794, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **77.1675, 0.2703, 0.3117**, and if you desaturate by 10%, it is **91.1170, 0.3005, 0.3246**.

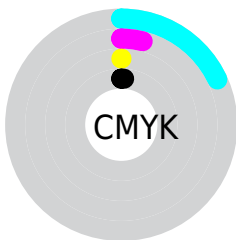
Distribution



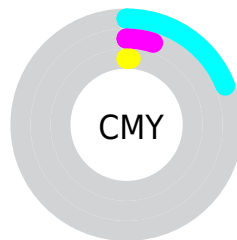
- Red (81%)
- Green (95%)
- Blue (99%)



- Red (81%)
- Yellow (89%)
- Blue (99%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (19%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7979, 0.2852, 0.3184 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 83.7979, 0.2852, 0.3184 by changing the saturation by 10% instead.

83.7979, 0.2852,
0.3184

83.7979, 0.2852,
0.3184

507.6419, 0.2975,
0.3233

62.8486, 0.2825,
0.3173

138.6924, 0.2894,
0.3201

45.7187, 0.2792,
0.3159

173.4064, 0.2910,
0.3208

32.0239, 0.2751,
0.3141

213.4775, 0.2925,
0.3213

21.3798, 0.2698,
0.3119

259.2899, 0.2937,
0.3218

13.4019, 0.2628,
0.3088

311.2282, 0.2948,
0.3223

7.7059, 0.2532,
0.3043

369.6767, 0.2958,

3.9073, 0.2390,

0.3227

0.2974

435.0198, 0.2967,
0.3230

1.6219, 0.2163,
0.2856

0.3723, 0.0852,
0.2467

83.7979, 0.2852,
0.3184

83.7979, 0.2852,
0.3184

77.1675, 0.2703,
0.3117

91.1170, 0.3005,
0.3246

71.1870, 0.2563,
0.3045

98.6787, 0.3145,
0.3302

65.8295, 0.2434,
0.2968

99.8093, 0.3144,
0.3318

61.0615, 0.2319,
0.2889

■ 56.8462, 0.2222,
0.2806

■ 53.1415, 0.2144,
0.2723

■ 49.8981, 0.2086,
0.2640

■ 47.0503, 0.2047,
0.2559

■ 46.4706, 0.2039,
0.2541

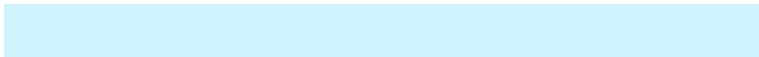
Harmonies

Analogous

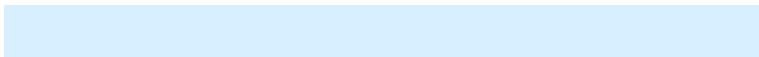
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7979, 0.2910, 0.3315



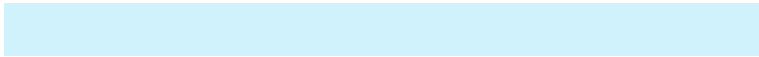
83.7979, 0.2852, 0.3184



83.7979, 0.2865, 0.3086

Triad

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



83.7979, 0.2852, 0.3184



83.7979, 0.3225, 0.3145



83.7979, 0.3307, 0.3543

Complementary

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



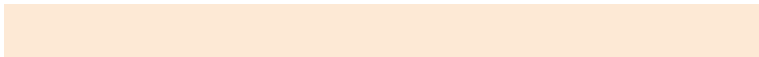
83.7979, 0.2852, 0.3184



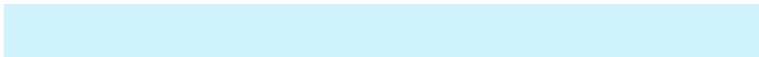
74.8486, 0.3457, 0.3394

Split Complementary

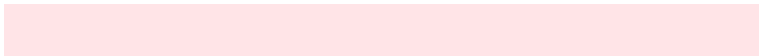
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7979, 0.3395, 0.3490



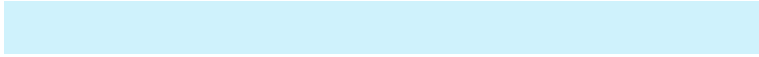
83.7979, 0.2852, 0.3184



83.7979, 0.3348, 0.3260

Square

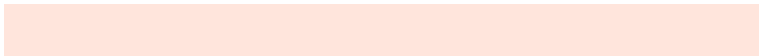
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



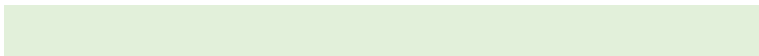
83.7979, 0.2852, 0.3184



83.7979, 0.3078, 0.3067



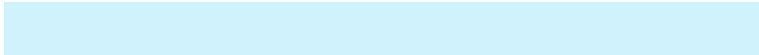
83.7979, 0.3411, 0.3386



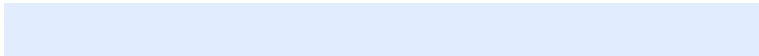
83.7979, 0.3171, 0.3526

Rectangle

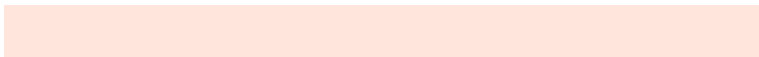
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7979, 0.2852, 0.3184



83.7979, 0.2913, 0.3052



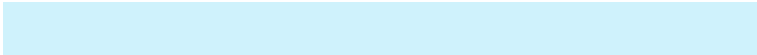
83.7979, 0.3411, 0.3386



83.7979, 0.3343, 0.3532

Sweetspot

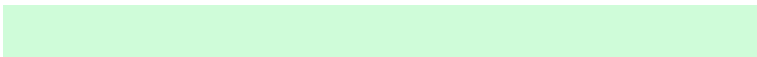
The Sweet Spot groups the original color and five complimentary colors.



83.8013, 0.2852, 0.3184



95.8639, 0.3050, 0.3262



87.8969, 0.3049, 0.3669



20.3976, 0.3039, 0.3258



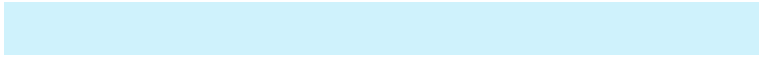
0.0000, 0.0000, 0.0000



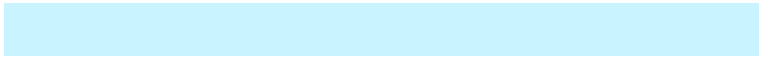
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8013, 0.2852, 0.3184



83.8485, 0.2804, 0.3163



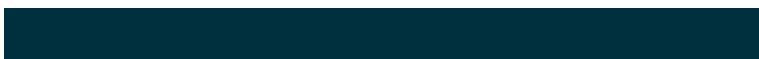
71.3622, 0.2839, 0.2943



18.9145, 0.2980, 0.3236



24.4332, 0.2043, 0.2555



2.4185, 0.2070, 0.2653

Inverse Universe

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



71.7441, 0.3218, 0.2941



69.7193, 0.3236, 0.2877



87.0940, 0.3418, 0.3614



17.4545, 0.3172, 0.3107



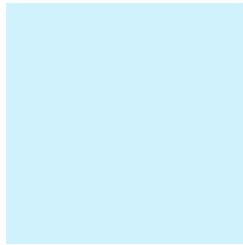
12.8775, 0.3868, 0.1904



1.2084, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 83.7979, 0.2852, 0.3184 looks on a white background.

Color Contrast Check

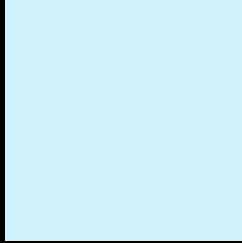
Large Text (above 18pt) WCAG AA × Fail

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 83.7979, 0.2852, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

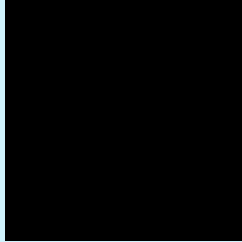
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7979, 0.2852, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 83.7979, 0.2852, 0.3184.

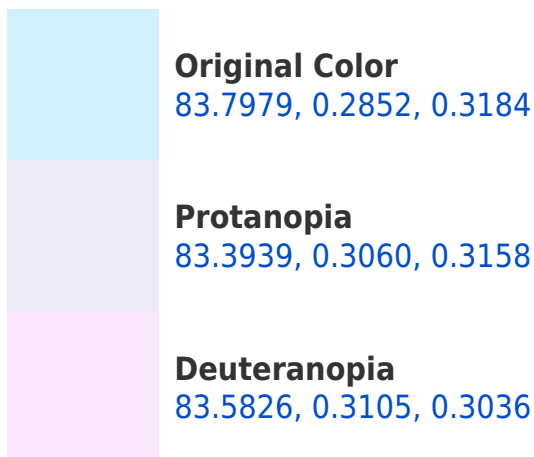


This preview shows how white text looks on a background with the Yxy color 83.7979, 0.2852, 0.3184.

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

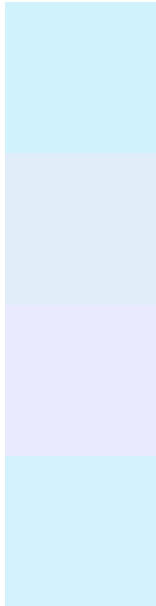




Tritanopia

83.9872, 0.2882, 0.3134

Trichromacy



Original Color

83.7979, 0.2852, 0.3184

Protanomaly

83.4155, 0.2977, 0.3166

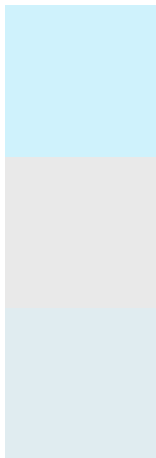
Deuteranomaly

83.4938, 0.3005, 0.3089

Tritanomaly

84.0634, 0.2870, 0.3154

Monochromacy



Original Color

83.7979, 0.2852, 0.3184

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1295, 0.3024, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7979, 0.2852, 0.3184 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, 242, 252)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 242, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 242, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.7979, 0.2852, 0.3184 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, 242, 252) }
```

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

```
.border{ border-color:rgb(207, 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(207, 242, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 242, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 242, 252);  
box-shadow:4px 4px 4px 4px rgb(207, 242,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7979, 0.2852, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 242, 252) }
```

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

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