

# Converting Colors

$Yxy(83.9941, 0.2764, 0.3183)$

Have a look what the booklet for  
Yxy(83.9941, 0.2764, 0.3183)  
contains.

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# Color

**Yxy(83.9941, 0.2764, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2F5FF
RGB	194, 245, 255
RGB Percent	76%, 96%, 100%
CMY	0.2394, 0.0391, 0.0001
CMYK	0.24, 0.04, 0.00, 0.00
HSL	190°, 100%, 88%
HSV	190°, 24%, 100%
XYZ	72.9374, 83.9941, 106.9520
YIQ	230.8910, -33.6060, -7.7020

# Conversions

## Conversions Part 2

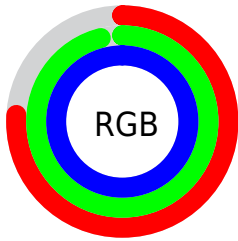
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 222, 255
Decimal	12776959
CIELab	93.45, -14.00, -10.11
CIELCh	93, 17.264, 215.836
Yxy	83.9941, 0.2764, 0.3183
Android (android.graphics.Color)	4290967039 (0xFFC2F5FF)
YUV	230.8910, 11.8857, -32.3534
Hunter-Lab	91.6483, -18.3271, -5.0366

# Details

The Yxy color **83.9941, 0.2764, 0.3183** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.2898, 0.3605, 0.3394**, and the grayscale version is **79.7491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **45.9614, 0.2688, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **78.4204, 0.2624, 0.3132**, and if you desaturate by 10%, it is **90.2099, 0.2912, 0.3230**.

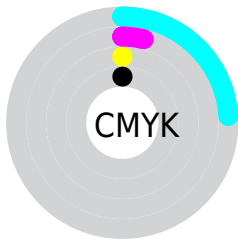
# Distribution



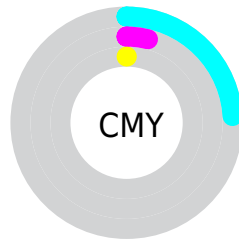
- Red (76%)
- Green (96%)
- Blue (100%)



- Red (76%)
- Yellow (87%)
- Blue (100%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9941, 0.2764, 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 83.9941, 0.2764, 0.3183 by changing the saturation by 10% instead.



83.9941, 0.2764,  
0.3183

83.9941, 0.2764,  
0.3183

508.2936, 0.2926,  
0.3234

63.0106, 0.2728,  
0.3171

138.9669, 0.2819,  
0.3201

45.8498, 0.2685,  
0.3157

173.7250, 0.2841,  
0.3208

32.1273, 0.2632,  
0.3138

213.8434, 0.2860,  
0.3213

21.4587, 0.2563,  
0.3114

259.7065, 0.2876,  
0.3219

13.4597, 0.2473,  
0.3080

311.6986, 0.2891,  
0.3223

7.7459, 0.2350,  
0.3031

370.2043, 0.2904,

3.9328, 0.2170,

0.3227

0.2955

435.6078, 0.2915,  
0.3230

■ 1.6360, 0.1888,  
0.2820

■ 0.3817, 0.0138,  
0.2489

■ 83.9941, 0.2764,  
0.3183

■ 83.9941, 0.2764,  
0.3183

■ 78.4204, 0.2624,  
0.3132

■ 90.2099, 0.2912,  
0.3230

■ 73.4488, 0.2496,  
0.3078

■ 97.0853, 0.3066,  
0.3274

■ 69.0499, 0.2383,  
0.3021

■ 99.9983, 0.3127,  
0.3290

■ 65.1881, 0.2286,  
0.2963

■ 61.8230, 0.2209,  
0.2904

■ 58.9077, 0.2152,  
0.2845

■ 56.3853, 0.2114,  
0.2786

■ 54.9971, 0.2098,  
0.2751

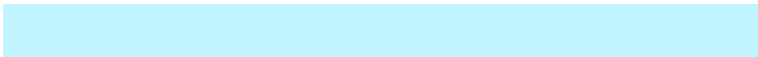
# Harmonies

## Analogous

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



83.9941, 0.2863, 0.3367



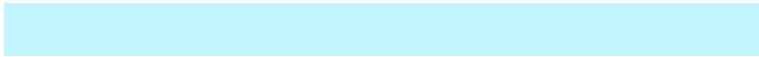
83.9941, 0.2764, 0.3183



83.9941, 0.2758, 0.3037

# Triad

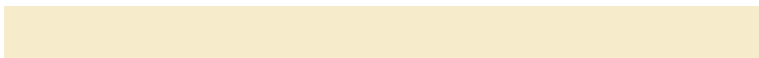
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9941, 0.2764, 0.3183



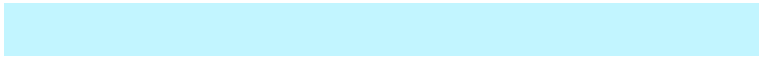
83.9941, 0.3213, 0.3063



83.9941, 0.3408, 0.3626

# Complementary

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



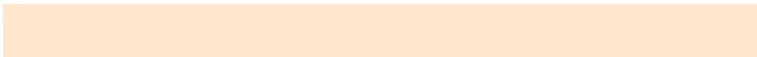
83.9941, 0.2764, 0.3183



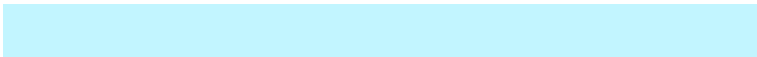
68.2898, 0.3605, 0.3394

# 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.



83.9941, 0.3509, 0.3531



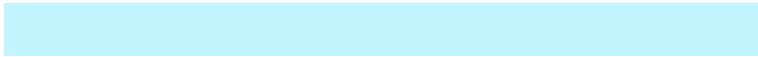
83.9941, 0.2764, 0.3183



83.9941, 0.3395, 0.3208

# Square

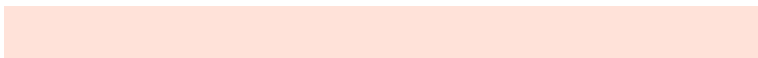
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



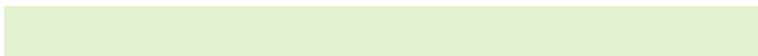
83.9941, 0.2764, 0.3183



83.9941, 0.3012, 0.2974



83.9941, 0.3505, 0.3378

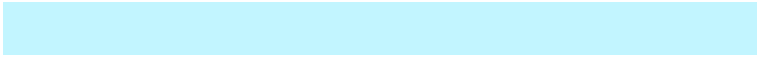


83.9941, 0.3233, 0.3630

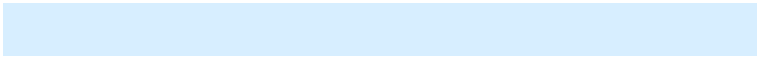


# Rectangle

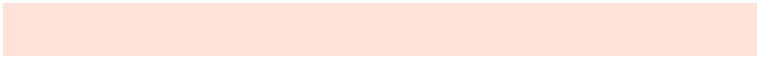
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



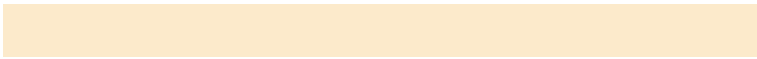
83.9941, 0.2764, 0.3183



83.9941, 0.2808, 0.2978



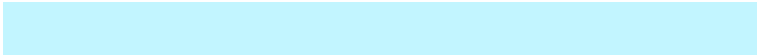
83.9941, 0.3505, 0.3378



83.9941, 0.3452, 0.3603

# Sweetspot

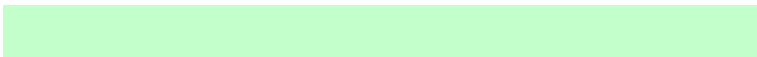
The Sweet Spot groups the original color and five complimentary colors.



83.9975, 0.2764, 0.3183



94.9265, 0.3018, 0.3261



87.2829, 0.3045, 0.3865



20.2279, 0.3009, 0.3258



0.0000, 0.0000, 0.0000

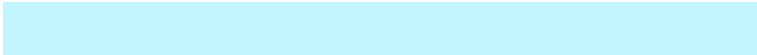


21.4041, 0.3127, 0.3290

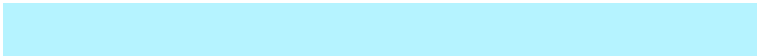


# Same Dimension

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



83.9975, 0.2764, 0.3183



81.1127, 0.2692, 0.3158



67.4405, 0.2736, 0.2854



19.9471, 0.2980, 0.3250



28.9316, 0.2100, 0.2761



2.9456, 0.2119, 0.2827



# Inverse Universe

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



66.4114, 0.3227, 0.2784



60.7953, 0.3253, 0.2674



83.7752, 0.3536, 0.3691



18.2465, 0.3163, 0.3093



13.6486, 0.3671, 0.1796

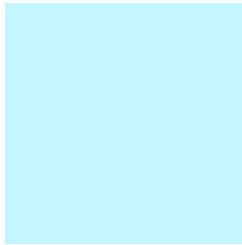


1.3419, 0.3610, 0.1762



# Previews

## White Background



This preview shows how the Yxy color 83.9941, 0.2764, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

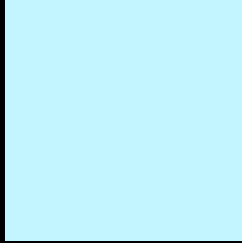
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9941, 0.2764, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

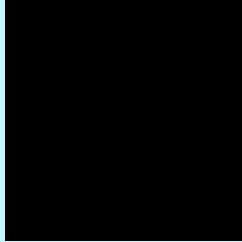
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

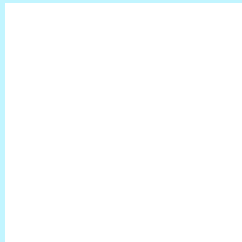
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.9941, 0.2764, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9941, 0.2764, 0.3183.

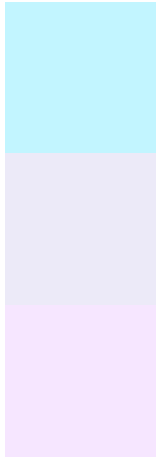


This preview shows how white text looks on a background with the Yxy color 83.9941, 0.2764, 0.3183.

# 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

83.9941, 0.2764, 0.3183

### Protanopia

83.4558, 0.3054, 0.3149

### Deuteranopia

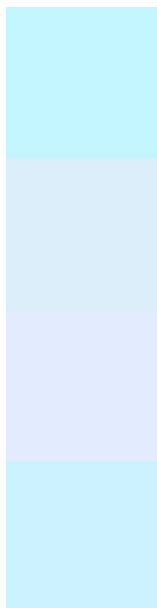
83.4065, 0.3078, 0.3044



## Tritanopia

83.6859, 0.2847, 0.3143

# Trichromacy



## Original Color

83.9941, 0.2764, 0.3183

## Protanomaly

83.4863, 0.2941, 0.3156

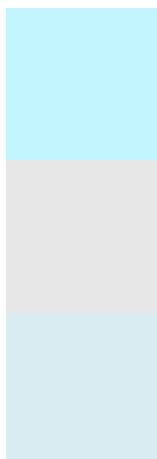
## Deuteranomaly

82.9676, 0.2955, 0.3086

## Tritanomaly

83.5616, 0.2818, 0.3152

# Monochromacy



## Original Color

83.9941, 0.2764, 0.3183

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

81.1876, 0.2985, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9941, 0.2764, 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(194, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 245, 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(194, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 245, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9941, 0.2764, 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(194, 245, 255) }
```

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

```
.border{ border-color:rgb(194, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(194, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 245,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9941, 0.2764, 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(194, 245, 255) }
```

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

```
.background{ background-color: rgb(194,  
245, 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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