

# Converting Colors

$Y_{xy}(82.7501, 0.2776, 0.3155)$

Have a look what the booklet for  
Yxy(82.7501, 0.2776, 0.3155)  
contains.

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# Color

**Yxy(82.5946, 0.2778, 0.3151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5F2FF
RGB	197, 242, 255
RGB Percent	77%, 95%, 100%
CMY	0.2276, 0.0509, 0.0000
CMYK	0.23, 0.05, 0.00, 0.00
HSL	193°, 100%, 89%
HSV	193°, 23%, 100%
XYZ	72.8175, 82.5946, 106.7098
YIQ	230.0270, -30.9930, -5.4970

# Conversions

## Conversions Part 2

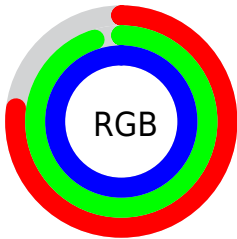
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 222, 255
Decimal	12972799
CIELab	92.84, -11.61, -11.01
CIELCh	93, 16.002, 223.479
Yxy	82.5946, 0.2778, 0.3151
Android (android.graphics.Color)	4291162879 (0xFFC5F2FF)
YUV	230.0270, 12.3117, -28.9647
Hunter-Lab	90.8816, -16.0224, -5.9990

# Details

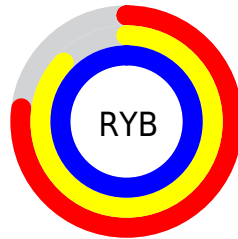
The Yxy color **82.5946, 0.2778, 0.3151** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3481, 0.3568, 0.3425**, and the grayscale version is **79.0714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **44.9458, 0.2704, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **76.1007, 0.2633, 0.3081**, and if you desaturate by 10%, it is **89.7833, 0.2930, 0.3216**.

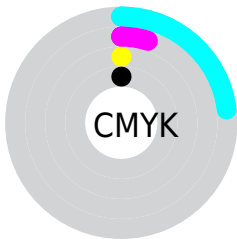
# Distribution



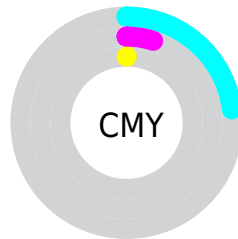
- Red (77%)
- Green (95%)
- Blue (100%)



- Red (77%)
- Yellow (87%)
- Blue (100%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5946, 0.2778, 0.3151 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 82.5946, 0.2778, 0.3151 by changing the saturation by 10% instead.



82.5946, 0.2778,  
0.3151

82.5946, 0.2778,  
0.3151

503.6344, 0.2934,  
0.3216

61.8558, 0.2744,  
0.3136

137.0075, 0.2831,  
0.3174

44.9162, 0.2702,  
0.3118

171.4504, 0.2852,  
0.3182

31.3914, 0.2650,  
0.3094

211.2301, 0.2870,  
0.3190

20.8971, 0.2583,  
0.3064

256.7310, 0.2886,  
0.3196

13.0488, 0.2496,  
0.3022

308.3375, 0.2900,  
0.3202

7.4621, 0.2375,  
0.2962

366.4339, 0.2913,

3.7528, 0.2198,

0.3207

0.2869

431.4048, 0.2924,  
0.3212

1.5362, 0.1918,  
0.2708

0.3140, 0.0104,  
0.2168

82.5946, 0.2778,  
0.3151

82.5946, 0.2778,  
0.3151

76.1007, 0.2633,  
0.3081

89.7833, 0.2930,  
0.3216

70.2612, 0.2497,  
0.3006

97.6848, 0.3084,  
0.3275

65.0467, 0.2375,  
0.2928

99.9999, 0.3127,  
0.3290

60.4211, 0.2268,  
0.2846

■ 56.3441, 0.2180,  
0.2763

■ 52.7693, 0.2112,  
0.2679

■ 49.6403, 0.2063,  
0.2596

■ 47.5955, 0.2038,  
0.2537

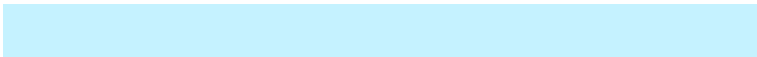
# Harmonies

## Analogous

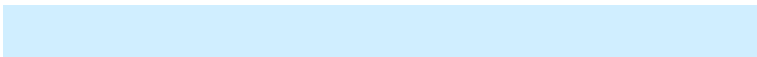
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5946, 0.2850, 0.3318



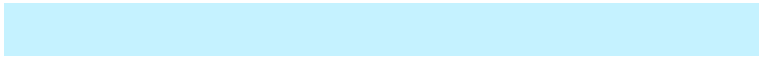
82.5946, 0.2778, 0.3151



82.5946, 0.2796, 0.3029

# Triad

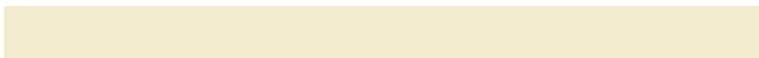
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5946, 0.2778, 0.3151



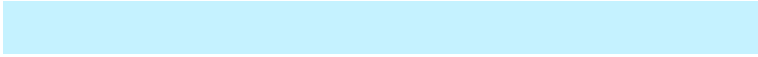
82.5946, 0.3254, 0.3109



82.5946, 0.3353, 0.3613

# Complementary

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



82.5946, 0.2778, 0.3151



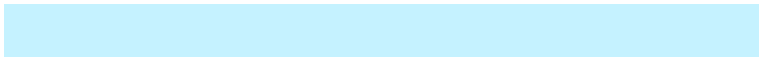
71.3481, 0.3568, 0.3425

# 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.



82.5946, 0.3468, 0.3544



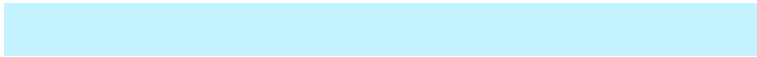
82.5946, 0.2778, 0.3151



82.5946, 0.3411, 0.3254

# Square

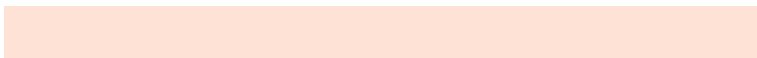
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5946, 0.2778, 0.3151



82.5946, 0.3067, 0.3010



82.5946, 0.3490, 0.3412

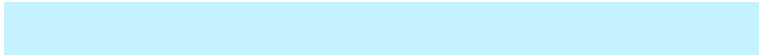


82.5946, 0.3179, 0.3592

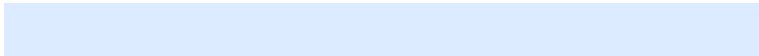


# Rectangle

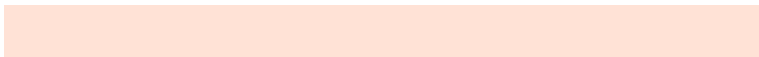
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



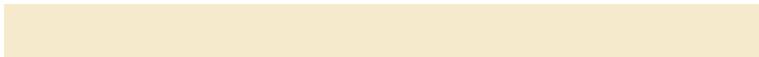
82.5946, 0.2778, 0.3151



82.5946, 0.2857, 0.2987



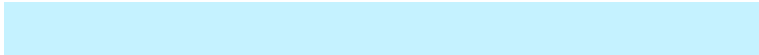
82.5946, 0.3490, 0.3412



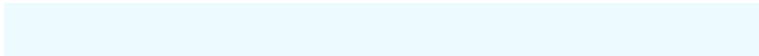
82.5946, 0.3400, 0.3599

# Sweetspot

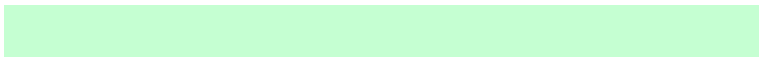
The Sweet Spot groups the original color and five complimentary colors.



82.5980, 0.2778, 0.3151



94.2498, 0.3019, 0.3250



88.0124, 0.3028, 0.3789



20.0708, 0.3009, 0.3247



0.0000, 0.0000, 0.0000

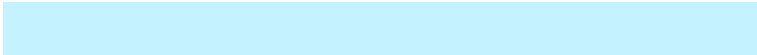


21.4041, 0.3127, 0.3290

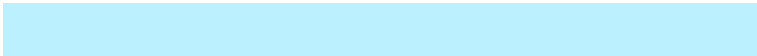


# Same Dimension

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



82.5980, 0.2778, 0.3151



79.7645, 0.2716, 0.3122



66.8720, 0.2753, 0.2835



19.7517, 0.2980, 0.3236



25.1034, 0.2042, 0.2551



2.6054, 0.2068, 0.2645



# Inverse Universe

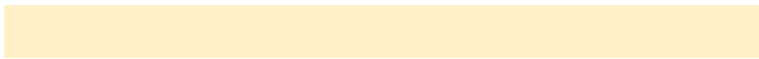
The Inverse Universe completely reimagines the original color for something new.



67.5814, 0.3247, 0.2842



62.7087, 0.3274, 0.2756



86.7595, 0.3506, 0.3707



18.2267, 0.3172, 0.3107



13.2622, 0.3872, 0.1907

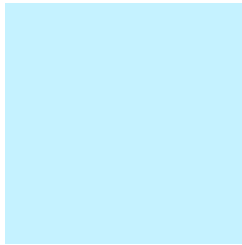


1.3076, 0.3781, 0.1856



# Previews

## White Background



This preview shows how the Yxy color 82.5946, 0.2778, 0.3151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

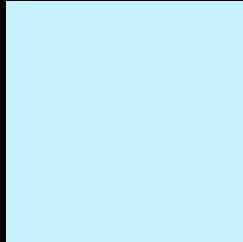
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5946, 0.2778, 0.3151 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 82.5946, 0.2778, 0.3151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5946, 0.2778, 0.3151.



This preview shows how white text looks on a background with the Yxy color 82.5946, 0.2778, 0.3151.

# 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

82.5946, 0.2778, 0.3151

### Protanopia

82.0452, 0.3035, 0.3117

### Deuteranopia

81.9399, 0.3066, 0.3023



## Tritanopia

82.6620, 0.2829, 0.3132

# Trichromacy



## Original Color

82.5946, 0.2778, 0.3151

## Protanomaly

82.3281, 0.2940, 0.3135

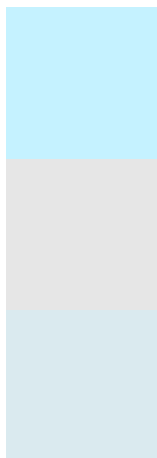
## Deuteranomaly

81.8287, 0.2954, 0.3065

## Tritanomaly

82.8271, 0.2812, 0.3142

# Monochromacy



## Original Color

82.5946, 0.2778, 0.3151

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.9831, 0.2991, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5946, 0.2778, 0.3151 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(197, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 242, 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(197, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5946, 0.2778, 0.3151 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(197, 242, 255) }
```

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

```
.border{ border-color:rgb(197, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5946, 0.2778, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 242, 255) }
```

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

```
.background{ background-color: rgb(197,  
242, 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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