

# Converting Colors

$Yxy(82.7831, 0.2782, 0.3153)$

Have a look what the booklet for  
Yxy(82.7831, 0.2782, 0.3153)  
contains.

|   |    |
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# Color

**Yxy(82.7300, 0.2784, 0.3151)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | C6F2FF                      |
| RGB         | 198, 242, 255               |
| RGB Percent | 78%, 95%, 100%              |
| CMY         | 0.2235, 0.0510, 0.0000      |
| CMYK        | 0.22, 0.05, 0.00, 0.00      |
| HSL         | 194°, 100%, 89%             |
| HSV         | 194°, 22%, 100%             |
| XYZ         | 73.0944, 82.7300, 106.7272  |
| YIQ         | 230.3260, -30.3970, -5.2850 |

# Conversions

## Conversions Part 2

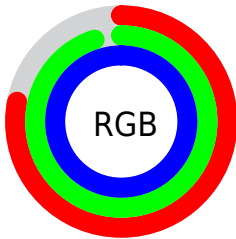
| <b>Format</b>                       | <b>Color</b>                                |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">198, 223, 255</a>               |
| Decimal                             | <a href="#">13038335</a>                    |
| CIELab                              | <a href="#">92.90, -11.29, -10.92</a>       |
| CIElCh                              | <a href="#">93, 15.706, 224.047</a>         |
| Yxy                                 | <a href="#">82.7300, 0.2784, 0.3151</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4291228415<br/>(0xFFC6F2FF)</a> |
| YUV                                 | <a href="#">230.3260, 12.1643, -28.3499</a> |
| Hunter-Lab                          | <a href="#">90.9560, -15.7264, -5.9013</a>  |

# Details

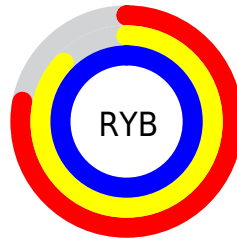
The Yxy color **82.7300, 0.2784, 0.3151** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9353, 0.3558, 0.3425**, and the grayscale version is **79.3136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0347, 0.2711, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **76.1461, 0.2638, 0.3080**, and if you desaturate by 10%, it is **90.0134, 0.2936, 0.3217**.

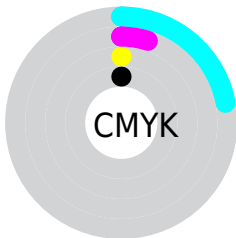
# Distribution



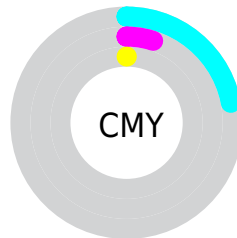
- Red (78%)
- Green (95%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7300, 0.2784, 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 82.7300, 0.2784, 0.3151 by changing the saturation by 10% instead.



82.7300, 0.2784,  
0.3151

82.7300, 0.2784,  
0.3151

504.0862, 0.2937,  
0.3216

61.9674, 0.2750,  
0.3136

137.1972, 0.2836,  
0.3174

45.0064, 0.2709,  
0.3118

171.6707, 0.2857,  
0.3182

31.4625, 0.2658,  
0.3094

211.4833, 0.2875,  
0.3190

20.9513, 0.2593,  
0.3064

257.0193, 0.2890,  
0.3196

13.0884, 0.2506,  
0.3023

308.6632, 0.2904,  
0.3202

7.4894, 0.2388,  
0.2963

366.7994, 0.2916,

3.7700, 0.2214,

0.3207

0.2871

431.8123, 0.2927,  
0.3212

1.5458, 0.1938,  
0.2712

0.3206, 0.0198,  
0.2181

82.7300, 0.2784,  
0.3151

82.7300, 0.2784,  
0.3151

76.1461, 0.2638,  
0.3080

90.0134, 0.2936,  
0.3217

70.2224, 0.2502,  
0.3004

98.0155, 0.3091,  
0.3277

64.9294, 0.2378,  
0.2923

100.0000, 0.3127,  
0.3290

60.2309, 0.2270,  
0.2840

■ 56.0869, 0.2180,  
0.2755

■ 52.4510, 0.2111,  
0.2670

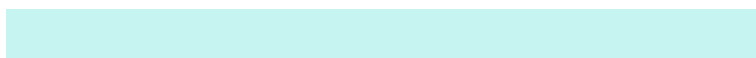
■ 49.2676, 0.2061,  
0.2585

■ 47.0740, 0.2034,  
0.2521

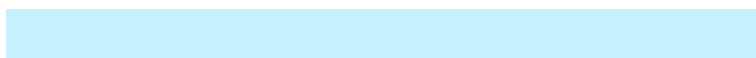
# Harmonies

## Analogous

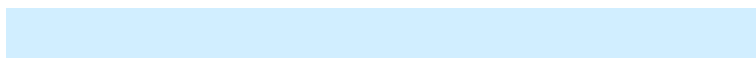
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7300, 0.2853, 0.3314



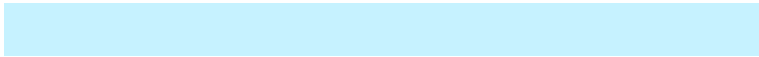
82.7300, 0.2784, 0.3151



82.7300, 0.2803, 0.3032

# Triad

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



82.7300, 0.2784, 0.3151



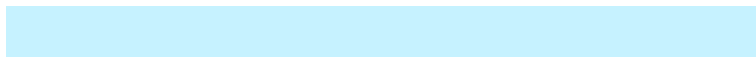
82.7300, 0.3255, 0.3114



82.7300, 0.3346, 0.3607

# Complementary

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



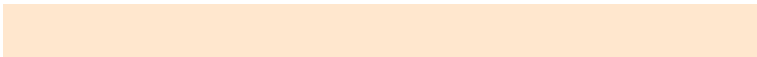
82.7300, 0.2784, 0.3151



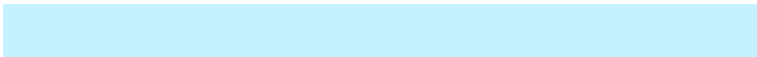
71.9353, 0.3558, 0.3425

# 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.



82.7300, 0.3460, 0.3542



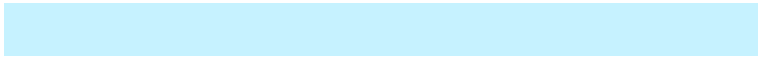
82.7300, 0.2784, 0.3151



82.7300, 0.3407, 0.3257

# Square

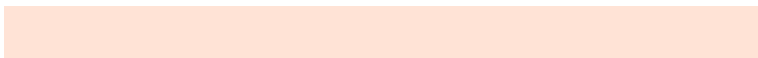
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7300, 0.2784, 0.3151



82.7300, 0.3071, 0.3016



82.7300, 0.3483, 0.3413

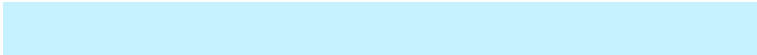


82.7300, 0.3175, 0.3585

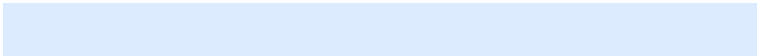


# Rectangle

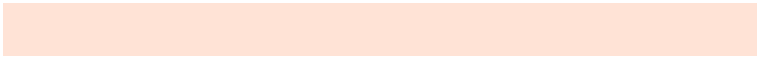
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7300, 0.2784, 0.3151



82.7300, 0.2864, 0.2992



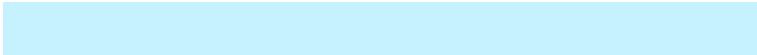
82.7300, 0.3483, 0.3413



82.7300, 0.3392, 0.3594

# Sweetspot

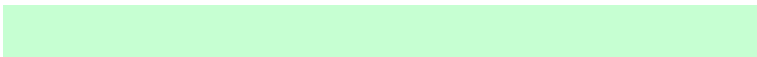
The Sweet Spot groups the original color and five complimentary colors.



82.7330, 0.2784, 0.3151



94.1997, 0.3019, 0.3250



88.1996, 0.3030, 0.3778



20.0592, 0.3009, 0.3246



0.0000, 0.0000, 0.0000

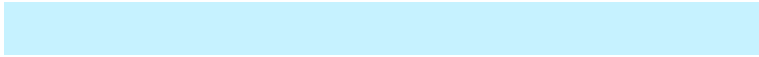


21.4041, 0.3127, 0.3290

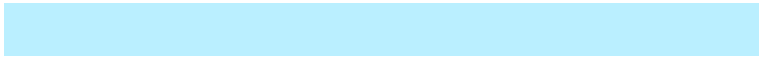


# Same Dimension

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



82.7330, 0.2784, 0.3151



79.5828, 0.2715, 0.3119



67.4040, 0.2761, 0.2844



19.7373, 0.2980, 0.3234



24.8335, 0.2038, 0.2535



2.5813, 0.2064, 0.2631



# Inverse Universe

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



68.0674, 0.3247, 0.2853



62.6904, 0.3277, 0.2759



86.9863, 0.3498, 0.3699



18.2253, 0.3173, 0.3108



13.2349, 0.3888, 0.1915

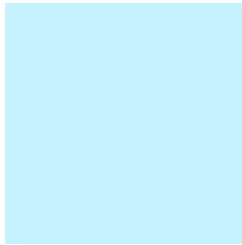


1.3051, 0.3794, 0.1864



# Previews

## White Background



This preview shows how the Yxy color 82.7300, 0.2784, 0.3151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

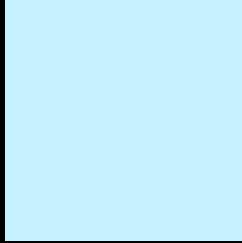
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.7300, 0.2784, 0.3151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

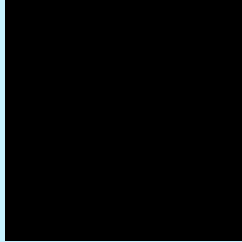
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.7300, 0.2784, 0.3151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.7300, 0.2784, 0.3151.

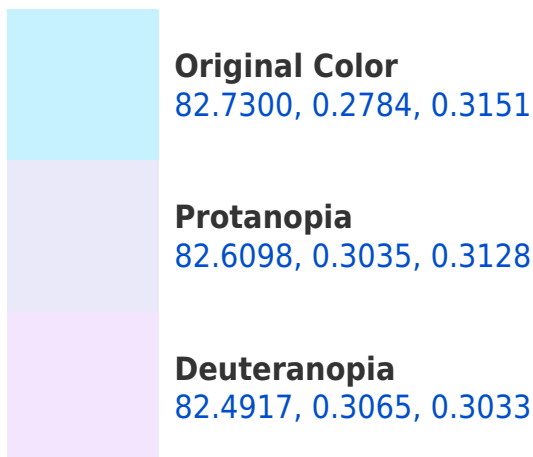


This preview shows how white text looks on a background with the Yxy color 82.7300, 0.2784, 0.3151.

# 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

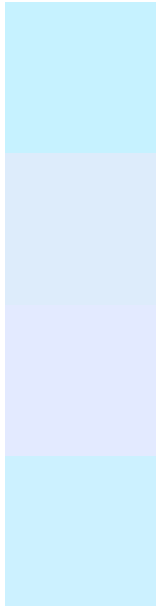




## Tritanopia

82.8056, 0.2835, 0.3132

# Trichromacy



**Original Color**

82.7300, 0.2784, 0.3151

**Protanomaly**

82.3281, 0.2940, 0.3135

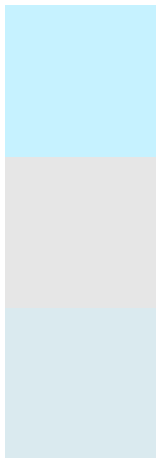
**Deuteranomaly**

82.3965, 0.2955, 0.3076

**Tritanomaly**

82.9680, 0.2818, 0.3142

# Monochromacy



**Original Color**

82.7300, 0.2784, 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 82.7300, 0.2784, 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(198, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7300, 0.2784, 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(198, 242, 255) }
```

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

```
.border{ border-color:rgb(198, 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(198, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.7300, 0.2784, 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(198, 242, 255) }
```

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

```
.background{ background-color: rgb(198,  
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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