

# Converting Colors

Yxy(82.6872, 0.2806, 0.3141)

Have a look what the booklet for  
Yxy(82.6872, 0.2806, 0.3141)  
contains.

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# Color

**Yxy(82.6872, 0.2806, 0.3141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAF1FF
RGB	202, 241, 255
RGB Percent	79%, 95%, 100%
CMY	0.2078, 0.0549, 0.0000
CMYK	0.21, 0.05, 0.00, 0.00
HSL	196°, 100%, 90%
HSV	196°, 21%, 100%
XYZ	73.8683, 82.6872, 106.6957
YIQ	230.9350, -27.7380, -3.9140

# Conversions

## Conversions Part 2

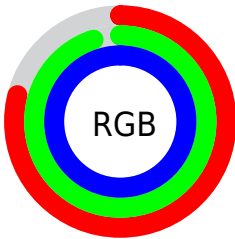
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 224, 255
Decimal	13300223
CIE Lab	92.88, -9.60, -10.93
CIE LCh	93, 14.547, 228.722
Yxy	82.6872, 0.2806, 0.3141
Android (android.graphics.Color)	4291490303 (0xFFCAF1FF)
YUV	230.9350, 11.8640, -25.3760
Hunter-Lab	90.9325, -14.1288, -5.9152

# Details

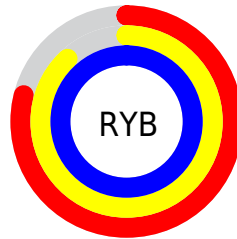
The Yxy color **82.6872, 0.2806, 0.3141** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6453, 0.3518, 0.3434**, and the grayscale version is **79.7884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9782, 0.2737, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **75.5047, 0.2657, 0.3059**, and if you desaturate by 10%, it is **90.6084, 0.2960, 0.3217**.

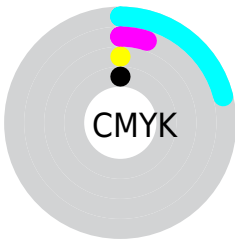
# Distribution



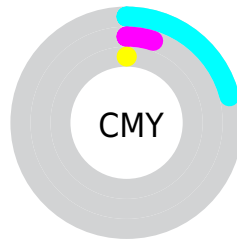
- Red (79%)
- Green (95%)
- Blue (100%)



- Red (79%)
- Yellow (88%)
- Blue (100%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6872, 0.2806, 0.3141 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 82.6872, 0.2806, 0.3141 by changing the saturation by 10% instead.



82.6872, 0.2806,  
0.3141

82.6872, 0.2806,  
0.3141

503.9434, 0.2950,  
0.3210

61.9321, 0.2774,  
0.3125

137.1373, 0.2855,  
0.3165

44.9779, 0.2736,  
0.3106

171.6011, 0.2874,  
0.3174

31.4400, 0.2688,  
0.3081

211.4032, 0.2891,  
0.3182

20.9341, 0.2626,  
0.3049

256.9282, 0.2906,  
0.3189

13.0759, 0.2545,  
0.3006

308.5603, 0.2919,  
0.3195

7.4808, 0.2433,  
0.2944

366.6839, 0.2930,

3.7646, 0.2269,

0.3201

0.2849

431.6835, 0.2940,  
0.3206

■ 1.5428, 0.2007,  
0.2687

■ 0.3185, 0.0455,  
0.2115

■ 82.6872, 0.2806,  
0.3141

■ 82.6872, 0.2806,  
0.3141

■ 75.5047, 0.2657,  
0.3059

■ 90.6084, 0.2960,  
0.3217

■ 69.0253, 0.2515,  
0.2971

■ 99.2916, 0.3115,  
0.3285

■ 63.2180, 0.2385,  
0.2878

■ 100.0000, 0.3127,  
0.3290

■ 58.0467, 0.2269,  
0.2781

■ 53.4713, 0.2171,  
0.2681

■ 49.4462, 0.2093,  
0.2581

■ 45.9168, 0.2035,  
0.2481

■ 43.0231, 0.1997,  
0.2390

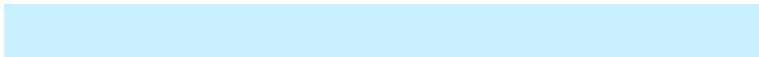
# Harmonies

## Analogous

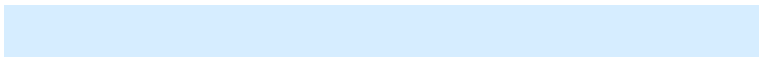
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6872, 0.2858, 0.3288



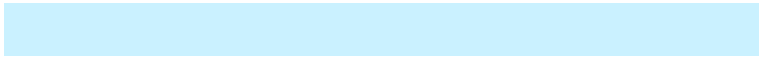
82.6872, 0.2806, 0.3141



82.6872, 0.2837, 0.3040

# Triad

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



82.6872, 0.2806, 0.3141



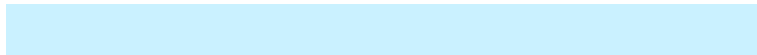
82.6872, 0.3271, 0.3146



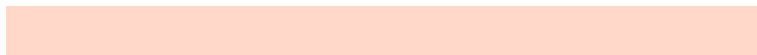
82.6872, 0.3308, 0.3586

# Complementary

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



82.6872, 0.2806, 0.3141



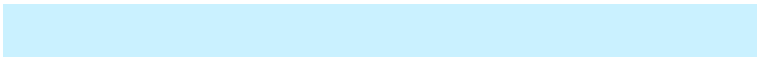
74.6453, 0.3518, 0.3434

# 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.



82.6872, 0.3424, 0.3538



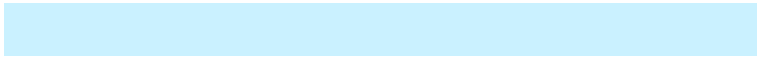
82.6872, 0.2806, 0.3141



82.6872, 0.3403, 0.3283

# Square

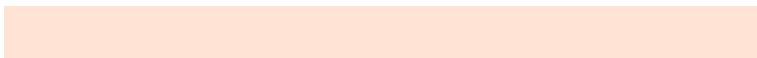
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



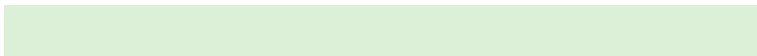
82.6872, 0.2806, 0.3141



82.6872, 0.3102, 0.3046



82.6872, 0.3459, 0.3425

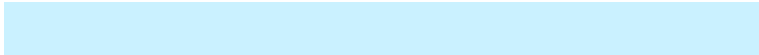


82.6872, 0.3145, 0.3551



# Rectangle

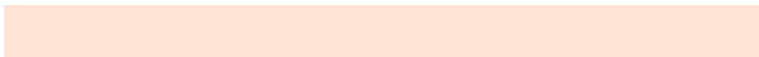
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6872, 0.2806, 0.3141



82.6872, 0.2901, 0.3010



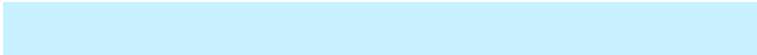
82.6872, 0.3459, 0.3425



82.6872, 0.3354, 0.3579

# Sweetspot

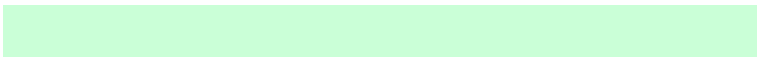
The Sweet Spot groups the original color and five complimentary colors.



82.6889, 0.2806, 0.3141



94.6603, 0.3034, 0.3250



88.9985, 0.3027, 0.3720



20.1404, 0.3024, 0.3246



0.0000, 0.0000, 0.0000

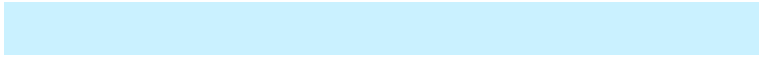


21.4041, 0.3127, 0.3290

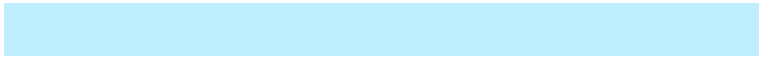


# Same Dimension

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



82.6889, 0.2806, 0.3141



79.5678, 0.2742, 0.3107



68.5132, 0.2787, 0.2859



19.6214, 0.2980, 0.3226



22.7378, 0.2002, 0.2407



2.3927, 0.2033, 0.2519



# Inverse Universe

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



69.8593, 0.3251, 0.2903



64.8129, 0.3281, 0.2821



88.8829, 0.3467, 0.3687



18.2136, 0.3179, 0.3117



13.0234, 0.4016, 0.1986

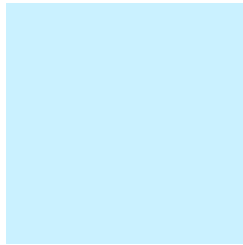


1.2861, 0.3903, 0.1924



# Previews

## White Background



This preview shows how the Yxy color 82.6872, 0.2806, 0.3141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

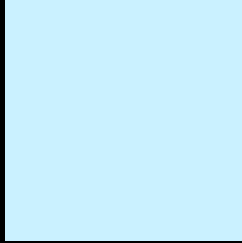
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.6872, 0.2806, 0.3141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

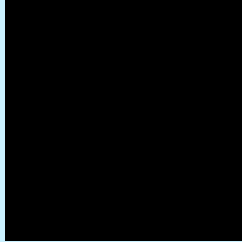
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

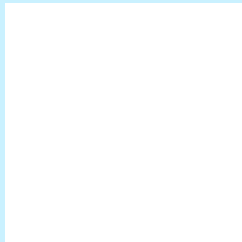
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.6872, 0.2806, 0.3141**

## Background



This preview shows how black text looks on a background with the Yxy color 82.6872, 0.2806, 0.3141.

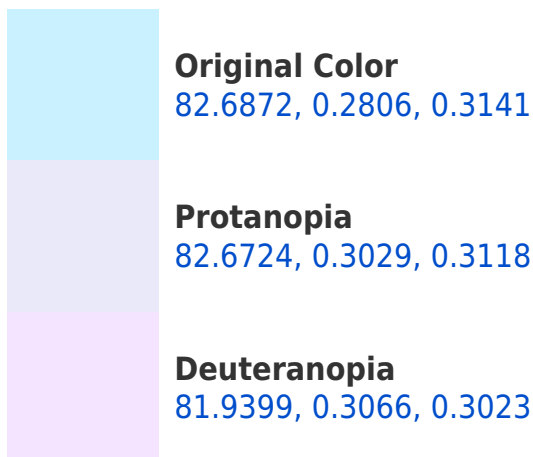


This preview shows how white text looks on a background with the Yxy color 82.6872, 0.2806, 0.3141.

# 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

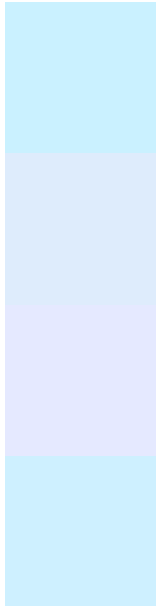




## Tritanopia

82.5083, 0.2846, 0.3122

# Trichromacy



## Original Color

82.6872, 0.2806, 0.3141

## Protanomaly

82.5488, 0.2941, 0.3125

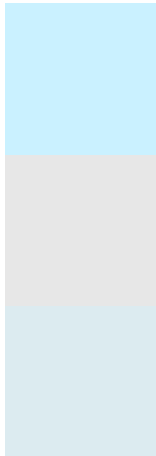
## Deuteranomaly

82.1558, 0.2967, 0.3066

## Tritanomaly

82.6620, 0.2829, 0.3132

# Monochromacy



## Original Color

82.6872, 0.2806, 0.3141

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.9236, 0.2998, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.6872, 0.2806, 0.3141 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 241, 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(202, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 241, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.6872, 0.2806, 0.3141 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, 241, 255) }
```

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

```
.border{ border-color:rgb(202, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 241,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.6872, 0.2806, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 241, 255) }
```

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

```
.background{ background-color: rgb(202,  
241, 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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