

# Converting Colors

$Y_{xy}(82.1079, 0.2862, 0.3163)$

Have a look what the booklet for  
Yxy(82.1079, 0.2862, 0.3163)  
contains.

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# Color

**Yxy(82.1079, 0.2862, 0.3163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0E9FB
RGB	208, 239, 251
RGB Percent	82%, 94%, 98%
CMY	0.1842, 0.0627, 0.0157
CMYK	0.17, 0.05, 0.00, 0.02
HSL	197°, 84%, 90%
HSV	197°, 17%, 98%
XYZ	74.2943, 82.1079, 103.1865
YIQ	231.0990, -22.3280, -2.8400

# Conversions

## Conversions Part 2

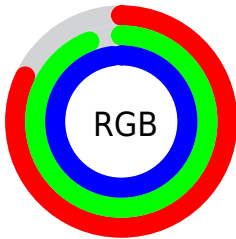
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 226, 251
Decimal	13692923
CIE Lab	92.62, -7.62, -9.17
CIE LCh	93, 11.920, 230.287
Yxy	82.1079, 0.2862, 0.3163
Android (android.graphics.Color)	4291883003 (0xFFD0E9FB)
YUV	231.0990, 9.8112, -20.2578
Hunter-Lab	90.6134, -12.2206, -4.0874

# Details

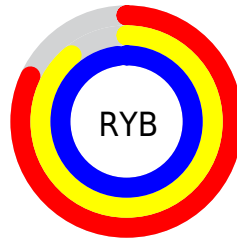
The Yxy color **82.1079, 0.2862, 0.3163** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2537, 0.3436, 0.3414**, and the grayscale version is **79.9311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5794, 0.2799, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **74.7351, 0.2710, 0.3079**, and if you desaturate by 10%, it is **90.2219, 0.3017, 0.3240**.

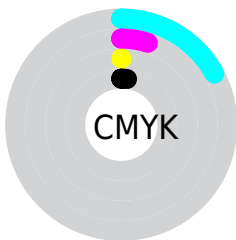
# Distribution



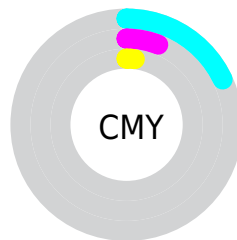
- Red (82%)
- Green (94%)
- Blue (98%)



- Red (82%)
- Yellow (89%)
- Blue (98%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (6%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1079, 0.2862, 0.3163 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 82.1079, 0.2862, 0.3163 by changing the saturation by 10% instead.



82.1079, 0.2862,  
0.3163

82.1079, 0.2862,  
0.3163

502.0085, 0.2981,  
0.3222

61.4545, 0.2836,  
0.3150

136.3253, 0.2903,  
0.3183

44.5921, 0.2803,  
0.3133

170.6581, 0.2919,  
0.3191

31.1362, 0.2763,  
0.3112

210.3194, 0.2933,  
0.3198

20.7026, 0.2712,  
0.3085

255.6937, 0.2945,  
0.3204

12.9068, 0.2644,  
0.3049

307.1654, 0.2955,  
0.3209

7.3644, 0.2549,  
0.2997

365.1188, 0.2965,

3.6910, 0.2408,

0.3214

0.2916

429.9384, 0.2973,  
0.3218

1.5023, 0.2180,  
0.2777

0.2903, 0.0673,  
0.2171

82.1079, 0.2862,  
0.3163

82.1079, 0.2862,  
0.3163

74.7351, 0.2710,  
0.3079

90.2219, 0.3017,  
0.3240

68.0647, 0.2564,  
0.2988

98.4777, 0.3151,  
0.3309

62.0691, 0.2427,  
0.2891

99.7441, 0.3150,  
0.3328

56.7145, 0.2304,  
0.2790

■ 51.9636, 0.2197,  
0.2685

■ 47.7746, 0.2110,  
0.2579

■ 44.0982, 0.2042,  
0.2472

■ 40.8720, 0.1994,  
0.2368

■ 39.9985, 0.1983,  
0.2338

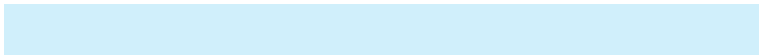
# Harmonies

## Analogous

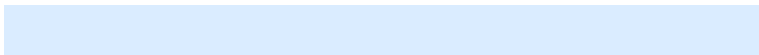
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1079, 0.2902, 0.3282



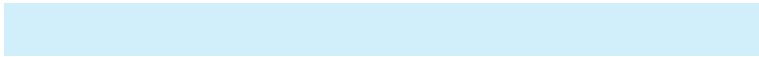
82.1079, 0.2862, 0.3163



82.1079, 0.2891, 0.3082

# Triad

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



82.1079, 0.2862, 0.3163



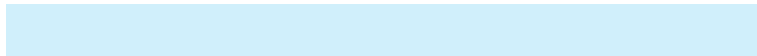
82.1079, 0.3252, 0.3177



82.1079, 0.3270, 0.3533

# Complementary

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



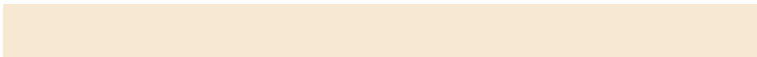
82.1079, 0.2862, 0.3163



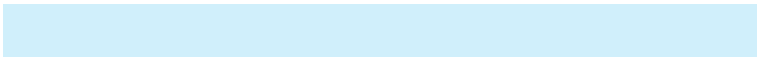
76.2537, 0.3436, 0.3414

# 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.



82.1079, 0.3367, 0.3497



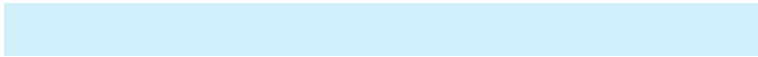
82.1079, 0.2862, 0.3163



82.1079, 0.3358, 0.3291

# Square

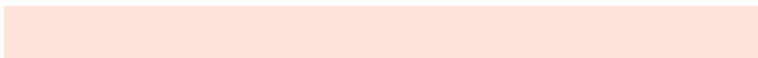
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1079, 0.2862, 0.3163



82.1079, 0.3115, 0.3092



82.1079, 0.3400, 0.3408

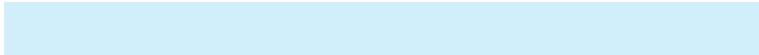


82.1079, 0.3135, 0.3500



# Rectangle

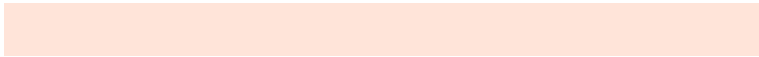
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1079, 0.2862, 0.3163



82.1079, 0.2946, 0.3058



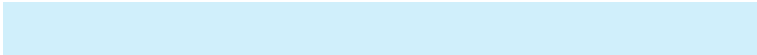
82.1079, 0.3400, 0.3408



82.1079, 0.3308, 0.3528

# Sweetspot

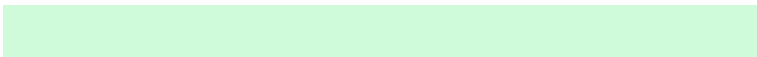
The Sweet Spot groups the original color and five complimentary colors.



82.1113, 0.2862, 0.3163



95.4130, 0.3050, 0.3255



87.5390, 0.3041, 0.3628



20.2878, 0.3039, 0.3250



0.0000, 0.0000, 0.0000

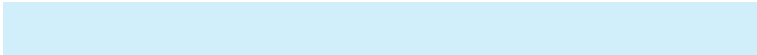


21.4041, 0.3127, 0.3290

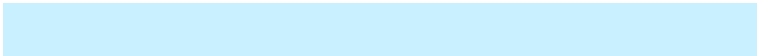


# Same Dimension

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



82.1113, 0.2862, 0.3163



82.0560, 0.2802, 0.3131



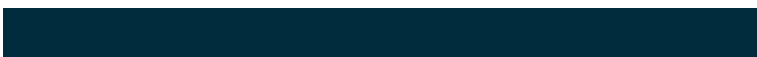
70.5462, 0.2851, 0.2935



18.7419, 0.2980, 0.3222



21.2856, 0.1988, 0.2355



2.1499, 0.2022, 0.2480



# Inverse Universe

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



71.8628, 0.3230, 0.2979



69.5383, 0.3258, 0.2906



87.9499, 0.3401, 0.3621



17.4371, 0.3181, 0.3121



12.5597, 0.4069, 0.2015

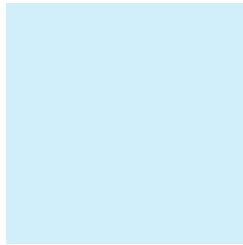


1.1813, 0.3942, 0.1945



# Previews

## White Background



This preview shows how the Yxy color 82.1079, 0.2862, 0.3163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

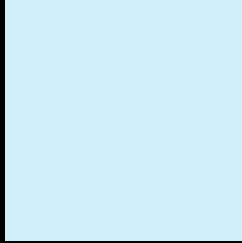
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1079, 0.2862, 0.3163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

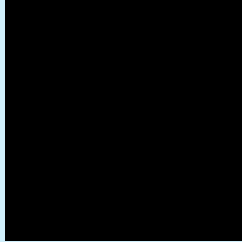
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

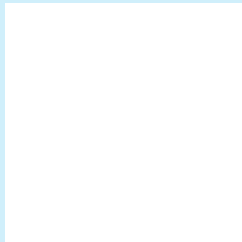
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1079, 0.2862, 0.3163**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1079, 0.2862, 0.3163.

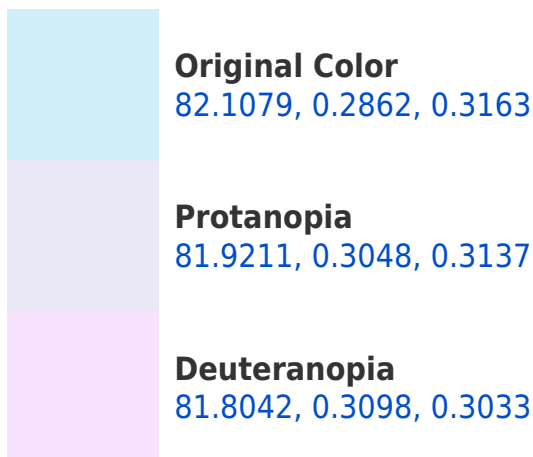


This preview shows how white text looks on a background with the Yxy color 82.1079, 0.2862, 0.3163.

# 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

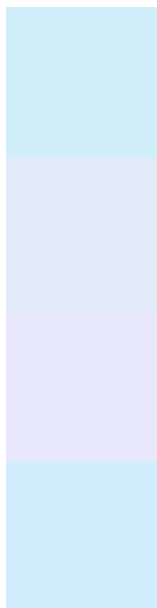




## Tritanopia

82.2180, 0.2857, 0.3112

# Trichromacy



## Original Color

82.1079, 0.2862, 0.3163

## Protanomaly

82.2015, 0.2983, 0.3156

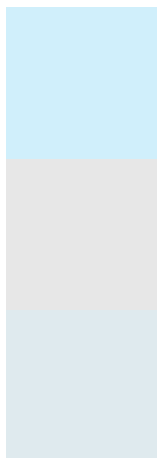
## Deuteranomaly

81.5037, 0.3011, 0.3077

## Tritanomaly

82.0065, 0.2857, 0.3122

# Monochromacy



## Original Color

82.1079, 0.2862, 0.3163

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.7067, 0.3030, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1079, 0.2862, 0.3163 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(208, 239, 251)` looks like.

```
.text, #text, p{  
    color:rgb(208, 239, 251)  
}
```

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(208, 239, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 239, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1079, 0.2862, 0.3163 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(208, 239, 251) }
```

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

```
.border{ border-color:rgb(208, 239, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 239, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 239, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 239, 251);  
box-shadow:4px 4px 4px 4px rgb(208, 239,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1079, 0.2862, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 239, 251) }
```

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

```
.background{ background-color: rgb(208,  
239, 251) }
```

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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