

# Converting Colors

Yxy(84.1622, 0.2881, 0.3208)

Have a look what the booklet for  
Yxy(84.1622, 0.2881, 0.3208)  
contains.

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# Color

**Yxy(84.1080, 0.2881, 0.3205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F2FA
RGB	210, 242, 250
RGB Percent	82%, 95%, 98%
CMY	0.1762, 0.0510, 0.0195
CMYK	0.16, 0.03, 0.00, 0.02
HSL	192°, 80%, 90%
HSV	192°, 16%, 98%
XYZ	75.6054, 84.1080, 102.7141
YIQ	233.3440, -21.6400, -4.2960

# Conversions

## Conversions Part 2

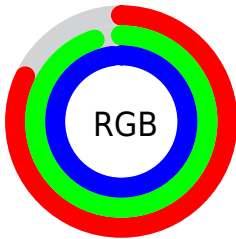
Format	Color
R <sub>Y</sub> B	210, 228, 250
Decimal	13824762
CIE Lab	93.50, -8.69, -7.36
CIE LCh	93, 11.391, 220.253
Yxy	84.1080, 0.2881, 0.3205
Android (android.graphics.Color)	4292014842 (0xFFD2F2FA)
YUV	233.3440, 8.2114, -20.4727
Hunter-Lab	91.7104, -13.3392, -2.2065

# Details

The Yxy color **84.1080, 0.2881, 0.3205** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1936, 0.3418, 0.3373**, and the grayscale version is **81.7200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9814, 0.2823, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **77.7660, 0.2732, 0.3145**, and if you desaturate by 10%, it is **91.1128, 0.3034, 0.3260**.

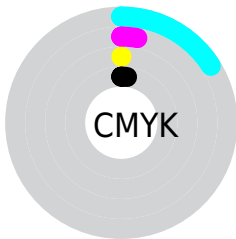
# Distribution



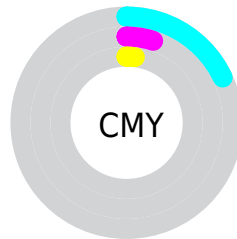
- Red (82%)
- Green (95%)
- Blue (98%)



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



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1080, 0.2881, 0.3205 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 84.1080, 0.2881, 0.3205 by changing the saturation by 10% instead.



84.1080, 0.2881,  
0.3205

84.1080, 0.2881,  
0.3205

508.6718, 0.2991,  
0.3244

63.1046, 0.2857,  
0.3196

139.1262, 0.2919,  
0.3219

45.9258, 0.2827,  
0.3185

173.9099, 0.2933,  
0.3224

32.1873, 0.2790,  
0.3171

214.0557, 0.2946,  
0.3229

21.5046, 0.2743,  
0.3152

259.9482, 0.2957,  
0.3233

13.4933, 0.2680,  
0.3127

311.9716, 0.2967,  
0.3236

7.7691, 0.2594,  
0.3092

370.5104, 0.2976,

3.9476, 0.2466,

0.3239

0.3036

435.9490, 0.2984,  
0.3242

1.6443, 0.2259,  
0.2940

0.3872, 0.1053,  
0.2618

84.1080, 0.2881,  
0.3205

84.1080, 0.2881,  
0.3205

77.7660, 0.2732,  
0.3145

91.1128, 0.3034,  
0.3260

72.0493, 0.2592,  
0.3081

97.8184, 0.3157,  
0.3309

66.9320, 0.2462,  
0.3013

99.6839, 0.3156,  
0.3337

62.3823, 0.2348,  
0.2942

■ 58.3648, 0.2250,  
0.2869

■ 54.8398, 0.2171,  
0.2794

■ 51.7607, 0.2113,  
0.2720

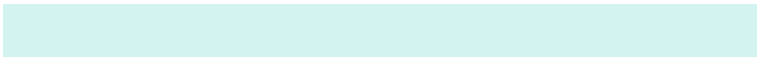
■ 49.0702, 0.2073,  
0.2646

■ 48.0630, 0.2060,  
0.2617

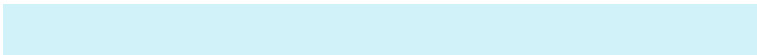
# Harmonies

## Analogous

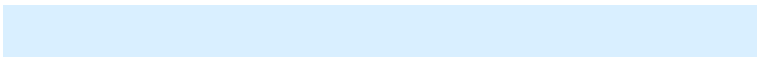
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1080, 0.2939, 0.3324



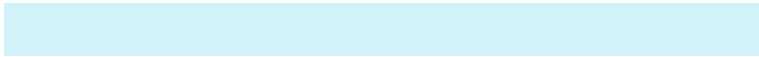
84.1080, 0.2881, 0.3205



84.1080, 0.2887, 0.3113

# Triad

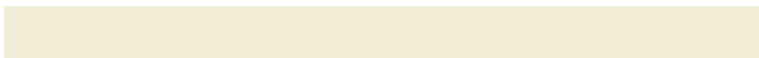
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1080, 0.2881, 0.3205



84.1080, 0.3204, 0.3151



84.1080, 0.3299, 0.3516

# Complementary

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



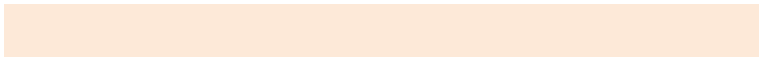
84.1080, 0.2881, 0.3205



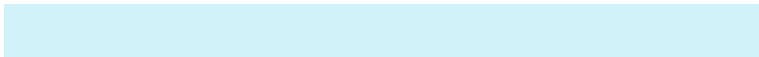
75.1936, 0.3418, 0.3373

# 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.



84.1080, 0.3373, 0.3463



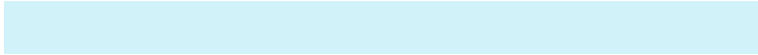
84.1080, 0.2881, 0.3205



84.1080, 0.3318, 0.3253

# Square

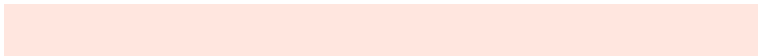
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1080, 0.2881, 0.3205



84.1080, 0.3071, 0.3085



84.1080, 0.3380, 0.3367

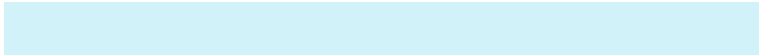


84.1080, 0.3179, 0.3506

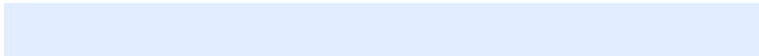


# Rectangle

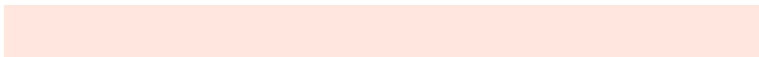
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1080, 0.2881, 0.3205



84.1080, 0.2927, 0.3078



84.1080, 0.3380, 0.3367



84.1080, 0.3330, 0.3504

# Sweetspot

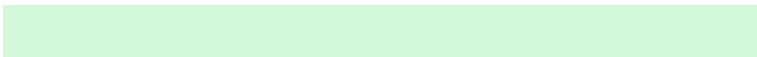
The Sweet Spot groups the original color and five complimentary colors.



84.1115, 0.2881, 0.3205



96.0342, 0.3049, 0.3265



87.1677, 0.3061, 0.3633



20.4391, 0.3039, 0.3261



0.0000, 0.0000, 0.0000

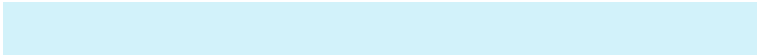


21.4041, 0.3127, 0.3290

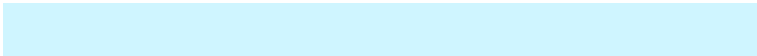


# Same Dimension

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



84.1115, 0.2881, 0.3205



85.8726, 0.2835, 0.3187



72.8937, 0.2872, 0.2991



18.9799, 0.2980, 0.3241



25.6976, 0.2064, 0.2629



2.5253, 0.2088, 0.2717



# Inverse Universe

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



72.8713, 0.3201, 0.2971



72.2753, 0.3217, 0.2908



86.1608, 0.3386, 0.3573



17.4611, 0.3169, 0.3103



13.0051, 0.3796, 0.1865

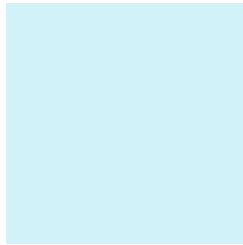


1.2192, 0.3712, 0.1819



# Previews

## White Background



This preview shows how the Yxy color 84.1080, 0.2881, 0.3205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

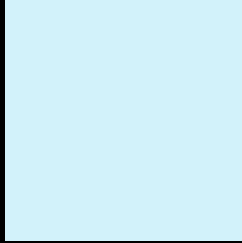
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1080, 0.2881, 0.3205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

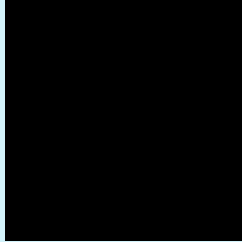
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.1080, 0.2881, 0.3205**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1080, 0.2881, 0.3205.

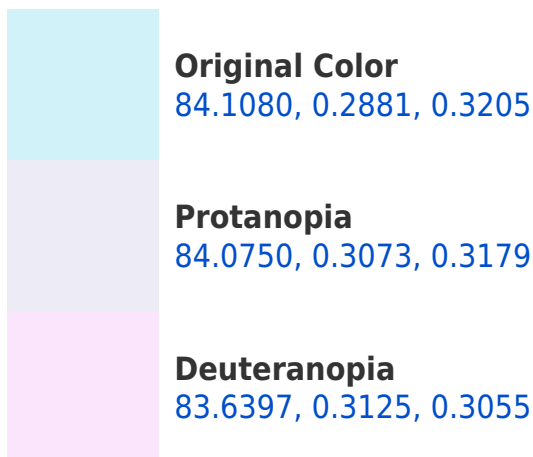


This preview shows how white text looks on a background with the Yxy color 84.1080, 0.2881, 0.3205.

# 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

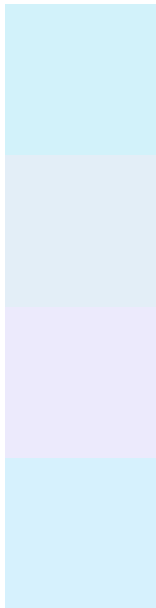




## Tritanopia

84.2919, 0.2894, 0.3135

# Trichromacy



## Original Color

84.1080, 0.2881, 0.3205

## Protanomaly

84.1954, 0.3002, 0.3197

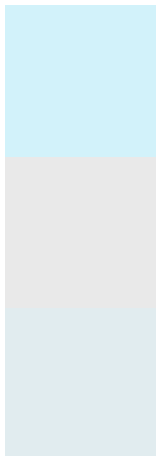
## Deuteranomaly

83.7068, 0.3030, 0.3109

## Tritanomaly

84.2986, 0.2888, 0.3165

# Monochromacy



## Original Color

84.1080, 0.2881, 0.3205

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

82.2305, 0.3037, 0.3259

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.1080, 0.2881, 0.3205 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(210, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(210, 242, 250)  
}
```

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(210, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 242, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1080, 0.2881, 0.3205 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(210, 242, 250) }
```

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

```
.border{ border-color:rgb(210, 242, 250) }
```

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

Here you see how a box with a 4 pixel rgb(210, 242, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(210, 242,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1080, 0.2881, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 242, 250) }
```

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

```
.background{ background-color: rgb(210,  
242, 250) }
```

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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