

# Converting Colors

Yxy(81.3063, 0.2868, 0.3182)

Have a look what the booklet for  
Yxy(81.3063, 0.2868, 0.3182)  
contains.

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# Color

**Yxy(81.1918, 0.2872, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFEEF8
RGB	207, 238, 248
RGB Percent	81%, 93%, 97%
CMY	0.1881, 0.0667, 0.0274
CMYK	0.17, 0.04, 0.00, 0.03
HSL	195°, 75%, 89%
HSV	195°, 17%, 97%
XYZ	73.2588, 81.1918, 100.6289
YIQ	229.8710, -21.6860, -3.4620

# Conversions

## Conversions Part 2

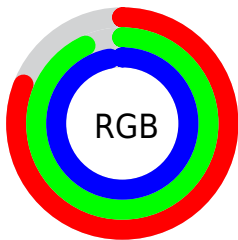
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 225, 248
Decimal	13627128
CIE Lab	92.22, -8.02, -8.23
CIE LCh	92, 11.491, 225.754
Yxy	81.1918, 0.2872, 0.3183
Android (android.graphics.Color)	4291817208 (0xFFCFEEF8)
YUV	229.8710, 8.9376, -20.0579
Hunter-Lab	90.1065, -12.5614, -3.1392

# Details

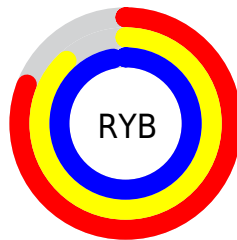
The Yxy color **81.1918, 0.2872, 0.3183** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1215, 0.3426, 0.3395**, and the grayscale version is **78.9819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9371, 0.2811, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **74.4260, 0.2722, 0.3110**, and if you desaturate by 10%, it is **88.6444, 0.3026, 0.3250**.

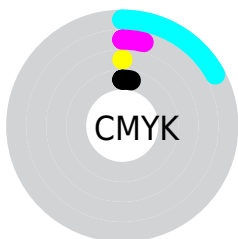
# Distribution



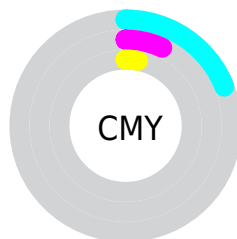
- Red (81%)
- Green (93%)
- Blue (97%)



- Red (81%)
- Yellow (88%)
- Blue (97%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (19%)
- Magenta (7%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1918, 0.2872, 0.3183 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 81.1918, 0.2872, 0.3183 by changing the saturation by 10% instead.



81.1918, 0.2872,  
0.3183

81.1918, 0.2872,  
0.3183

498.9403, 0.2987,  
0.3233

60.6996, 0.2846,  
0.3172

135.0400, 0.2911,  
0.3200

43.9828, 0.2815,  
0.3158

169.1649, 0.2927,  
0.3207

30.6570, 0.2776,  
0.3140

208.6027, 0.2940,  
0.3213

20.3378, 0.2726,  
0.3117

253.7378, 0.2952,  
0.3218

12.6408, 0.2660,  
0.3085

304.9548, 0.2962,  
0.3222

7.1817, 0.2567,  
0.3039

362.6379, 0.2971,

3.5760, 0.2429,

0.3226

0.2969

427.1716, 0.2980,  
0.3230

■ 1.4393, 0.2204,  
0.2845

■ 0.2454, 0.0333,  
0.2180

■ 81.1918, 0.2872,  
0.3183

■ 81.1918, 0.2872,  
0.3183

■ 74.4260, 0.2722,  
0.3110

■ 88.6444, 0.3026,  
0.3250

■ 68.3096, 0.2578,  
0.3031

■ 96.4870, 0.3170,  
0.3310

■ 62.8167, 0.2445,  
0.2948

■ 99.5583, 0.3168,  
0.3357

■ 57.9153, 0.2325,  
0.2860

■ 53.5701, 0.2222,  
0.2769

■ 49.7411, 0.2138,  
0.2677

■ 46.3819, 0.2075,  
0.2585

■ 43.4345, 0.2030,  
0.2494

■ 42.4751, 0.2018,  
0.2463

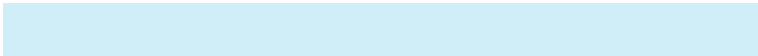
# Harmonies

## Analogous

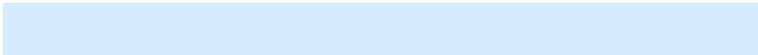
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1918, 0.2920, 0.3302



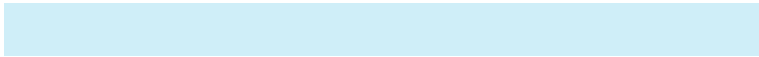
81.1918, 0.2872, 0.3183



81.1918, 0.2890, 0.3097

# Triad

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



81.1918, 0.2872, 0.3183



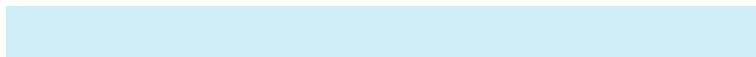
81.1918, 0.3229, 0.3165



81.1918, 0.3282, 0.3524

# Complementary

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



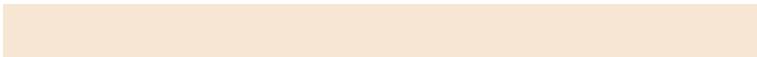
81.1918, 0.2872, 0.3183



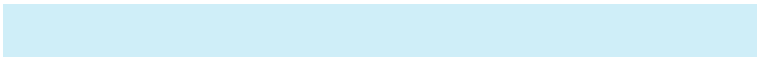
74.1215, 0.3426, 0.3395

# 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.



81.1918, 0.3369, 0.3481



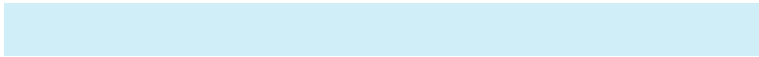
81.1918, 0.2872, 0.3183



81.1918, 0.3338, 0.3274

# Square

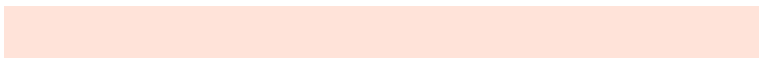
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1918, 0.2872, 0.3183



81.1918, 0.3094, 0.3089



81.1918, 0.3389, 0.3388



81.1918, 0.3155, 0.3502



# Rectangle

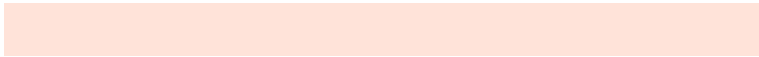
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



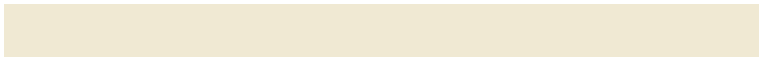
81.1918, 0.2872, 0.3183



81.1918, 0.2938, 0.3068



81.1918, 0.3389, 0.3388



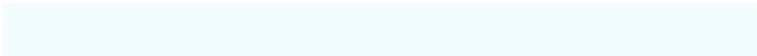
81.1918, 0.3317, 0.3516

# Sweetspot

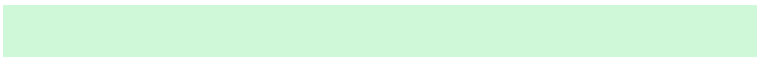
The Sweet Spot groups the original color and five complimentary colors.



81.1952, 0.2872, 0.3183



95.6884, 0.3050, 0.3259



85.4041, 0.3051, 0.3630



20.3548, 0.3039, 0.3255



0.0000, 0.0000, 0.0000

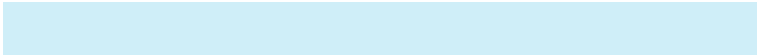


21.4041, 0.3127, 0.3290

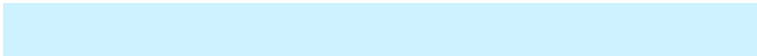


# Same Dimension

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



81.1952, 0.2872, 0.3183



83.8769, 0.2819, 0.3158



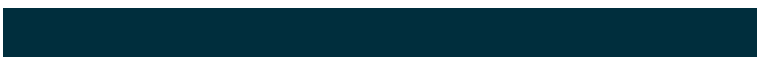
70.1734, 0.2862, 0.2964



18.8472, 0.2980, 0.3231



23.1731, 0.2022, 0.2478



2.3114, 0.2052, 0.2586



# Inverse Universe

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



70.7756, 0.3216, 0.2977



70.8884, 0.3238, 0.2908



85.0855, 0.3393, 0.3596



17.4477, 0.3176, 0.3113



12.7502, 0.3945, 0.1947

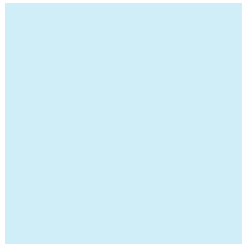


1.1976, 0.3838, 0.1888



# Previews

## White Background



This preview shows how the Yxy color 81.1918, 0.2872, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

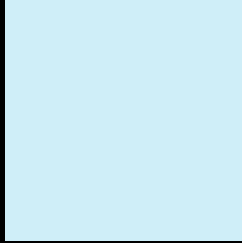
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1918, 0.2872, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

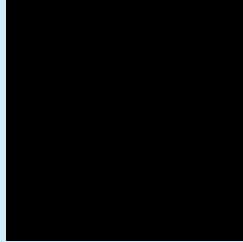
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

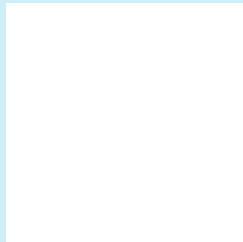
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.1918, 0.2872, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1918, 0.2872, 0.3183.

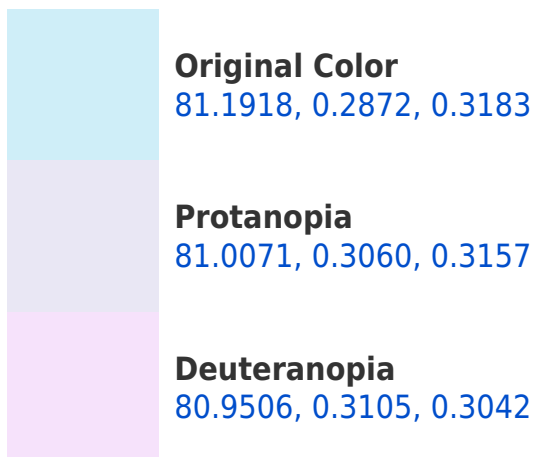


This preview shows how white text looks on a background with the Yxy color 81.1918, 0.2872, 0.3183.

# 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

81.3437, 0.2845, 0.3101

# Trichromacy



## Original Color

81.1918, 0.2872, 0.3183

## Protanomaly

81.2855, 0.2994, 0.3176

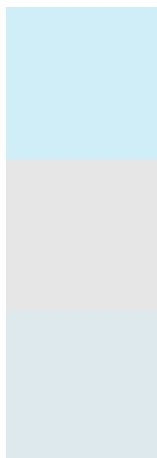
## Deuteranomaly

80.6516, 0.3016, 0.3086

## Tritanomaly

81.0065, 0.2855, 0.3131

# Monochromacy



## Original Color

81.1918, 0.2872, 0.3183

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.9218, 0.3029, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1918, 0.2872, 0.3183 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(207, 238, 248)` looks like.

```
.text, #text, p{  
    color:rgb(207, 238, 248)  
}
```

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(207, 238, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 238, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1918, 0.2872, 0.3183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

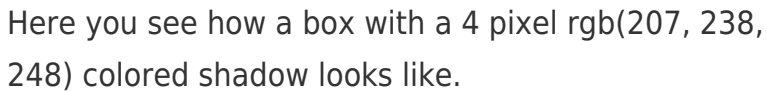
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 238, 248) }
```

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

```
.border{ border-color:rgb(207, 238, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 238, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 238, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 238, 248); box-shadow:4px 4px 4px 4px rgb(207, 238, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1918, 0.2872, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 238, 248) }
```

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

```
.background{ background-color: rgb(207,  
238, 248) }
```

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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