

# Converting Colors

Yxy(81.2084, 0.2815, 0.3110)

Have a look what the booklet for  
Yxy(81.2084, 0.2815, 0.3110)  
contains.

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# Color

**Yxy(81.2064, 0.2816, 0.3110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCEEFF
RGB	204, 238, 255
RGB Percent	80%, 93%, 100%
CMY	0.1998, 0.0667, 0.0001
CMYK	0.20, 0.07, 0.00, 0.00
HSL	200°, 100%, 90%
HSV	200°, 20%, 100%
XYZ	73.5297, 81.2064, 106.3778
YIQ	229.7720, -25.7210, -1.9210

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 224, 255
Decimal	13430527
CIELab	92.22, -7.48, -11.86
CIELCh	92, 14.024, 237.759
Yxy	81.2064, 0.2816, 0.3110
Android (android.graphics.Color)	4291620607 (0xFFCCFFFF)
YUV	229.7720, 12.4374, -22.6020
Hunter-Lab	90.1146, -12.0522, -6.9100

# Details

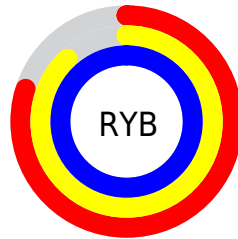
The Yxy color **81.2064, 0.2816, 0.3110** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.3328, 0.3493, 0.3463**, and the grayscale version is **78.8796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9227, 0.2748, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **73.0655, 0.2662, 0.3006**, and if you desaturate by 10%, it is **90.1772, 0.2972, 0.3205**.

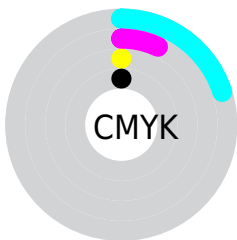
# Distribution



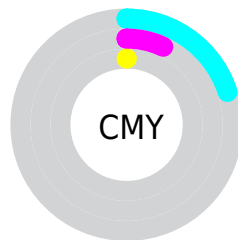
- Red (80%)
- Green (93%)
- Blue (100%)



- Red (80%)
- Yellow (88%)
- Blue (100%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2064, 0.2816, 0.3110 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 81.2064, 0.2816, 0.3110 by changing the saturation by 10% instead.



81.2064, 0.2816,  
0.3110

81.2064, 0.2816,  
0.3110

498.9892, 0.2956,  
0.3193

60.7116, 0.2785,  
0.3091

135.0605, 0.2864,  
0.3139

43.9925, 0.2747,  
0.3068

169.1887, 0.2882,  
0.3150

30.6646, 0.2700,  
0.3039

208.6300, 0.2899,  
0.3159

20.3436, 0.2640,  
0.3001

253.7690, 0.2913,  
0.3168

12.6450, 0.2560,  
0.2950

304.9901, 0.2926,  
0.3175

7.1846, 0.2450,  
0.2877

362.6775, 0.2937,

3.5778, 0.2287,

0.3182

0.2766

427.2158, 0.2947,  
0.3188

■ 1.4403, 0.2025,  
0.2577

■ 0.2462, 0.0366,  
0.1757

■ 81.2064, 0.2816,  
0.3110

■ 81.2064, 0.2816,  
0.3110

■ 73.0655, 0.2662,  
0.3006

■ 90.1772, 0.2972,  
0.3205

■ 65.7126, 0.2513,  
0.2895

99.9912, 0.3127,  
0.3290

■ 59.1168, 0.2373,  
0.2776

99.9979, 0.3127,  
0.3290

■ 53.2406, 0.2247,  
0.2651

■ 48.0428, 0.2137,  
0.2523

■ 43.4762, 0.2047,  
0.2393

■ 39.4855, 0.1978,  
0.2265

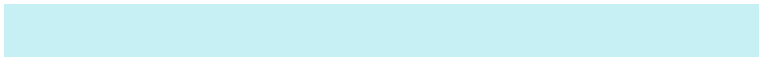
■ 35.9823, 0.1928,  
0.2139

■ 35.9735, 0.1927,  
0.2139

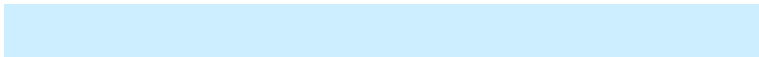
# Harmonies

## Analogous

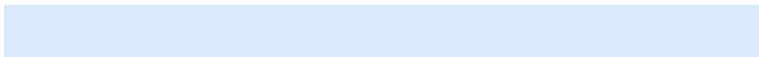
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2064, 0.2843, 0.3243



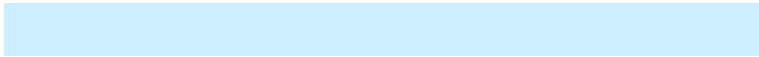
81.2064, 0.2816, 0.3110



81.2064, 0.2870, 0.3030

# Triad

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



81.2064, 0.2816, 0.3110



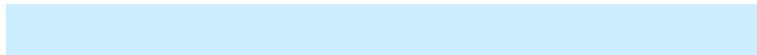
81.2064, 0.3311, 0.3188



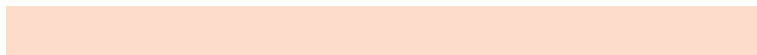
81.2064, 0.3258, 0.3576

# Complementary

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



81.2064, 0.2816, 0.3110



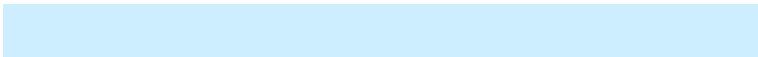
77.3328, 0.3493, 0.3463

# 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.



81.2064, 0.3388, 0.3552



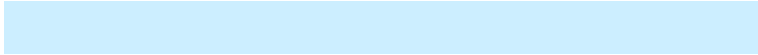
81.2064, 0.2816, 0.3110



81.2064, 0.3420, 0.3326

# Square

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



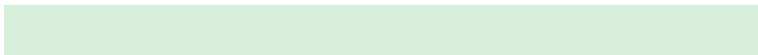
81.2064, 0.2816, 0.3110



81.2064, 0.3153, 0.3077



81.2064, 0.3448, 0.3459

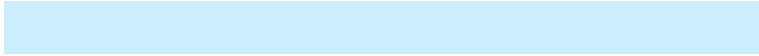


81.2064, 0.3095, 0.3518



# Rectangle

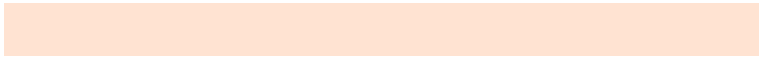
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2064, 0.2816, 0.3110



81.2064, 0.2945, 0.3015



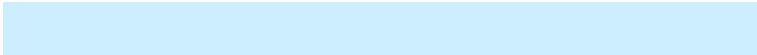
81.2064, 0.3448, 0.3459



81.2064, 0.3307, 0.3577

# Sweetspot

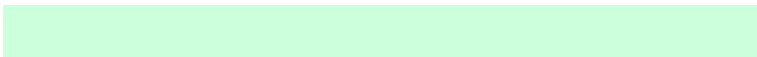
The Sweet Spot groups the original color and five complimentary colors.



81.2097, 0.2816, 0.3110



94.0033, 0.3034, 0.3240



89.5184, 0.3012, 0.3664



19.9849, 0.3024, 0.3234



0.0000, 0.0000, 0.0000

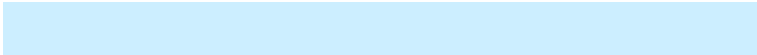


21.4041, 0.3127, 0.3290

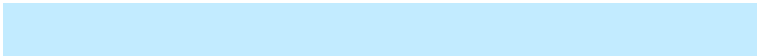


# Same Dimension

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



81.2097, 0.2816, 0.3110



77.8560, 0.2753, 0.3069



67.8395, 0.2799, 0.2840



19.4018, 0.2980, 0.3209



19.0883, 0.1933, 0.2159



2.0596, 0.1973, 0.2303



# Inverse Universe

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



70.6319, 0.3271, 0.2952



65.7302, 0.3306, 0.2881



91.3025, 0.3446, 0.3703



18.1914, 0.3189, 0.3133



12.6549, 0.4276, 0.2129

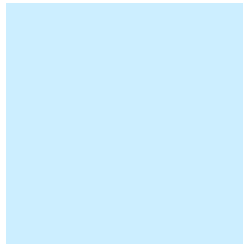


1.2525, 0.4123, 0.2045



# Previews

## White Background



This preview shows how the Yxy color 81.2064, 0.2816, 0.3110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

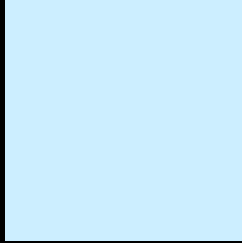
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.2064, 0.2816, 0.3110 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

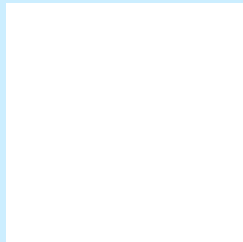
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.2064, 0.2816, 0.3110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.2064, 0.2816, 0.3110.

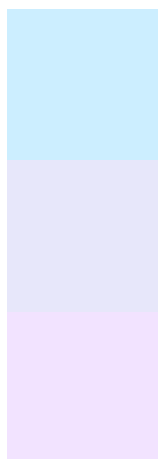


This preview shows how white text looks on a background with the Yxy color 81.2064, 0.2816, 0.3110.

# 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



### Original Color

81.2064, 0.2816, 0.3110

### Protanopia

81.0429, 0.3010, 0.3096

### Deuteranopia

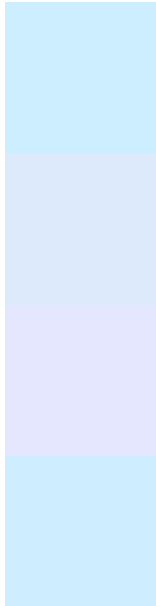
81.0354, 0.3052, 0.3011



## Tritanopia

81.0538, 0.2833, 0.3100

# Trichromacy



**Original Color**

81.2064, 0.2816, 0.3110

**Protanomaly**

81.2461, 0.2934, 0.3104

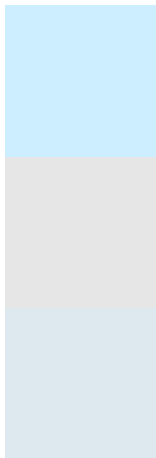
**Deuteranomaly**

80.8658, 0.2961, 0.3045

**Tritanomaly**

80.9102, 0.2827, 0.3100

# Monochromacy



**Original Color**

81.2064, 0.2816, 0.3110

**Achromatopsia**

79.1298, 0.3127, 0.3290

**Achromatomaly**

79.8820, 0.3011, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.2064, 0.2816, 0.3110 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(204, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 238, 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(204, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.2064, 0.2816, 0.3110 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(204, 238, 255) }
```

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

```
.border{ border-color:rgb(204, 238, 255) }
```

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

Here you see how a box with a 4 pixel rgb(204, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.2064, 0.2816, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 238, 255) }
```

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

```
.background{ background-color: rgb(204,  
238, 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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