

# Converting Colors

$Yxy(81.0797, 0.2789, 0.3068)$

Have a look what the booklet for  
Yxy(81.0797, 0.2789, 0.3068)  
contains.

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# Color

**Yxy(81.0656, 0.2810, 0.3109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBEEFF
RGB	203, 238, 255
RGB Percent	80%, 93%, 100%
CMY	0.2036, 0.0667, 0.0000
CMYK	0.20, 0.07, 0.00, 0.00
HSL	200°, 100%, 90%
HSV	200°, 20%, 100%
XYZ	73.2693, 81.0656, 106.4100
YIQ	229.4730, -26.3170, -2.1330

# Conversions

## Conversions Part 2

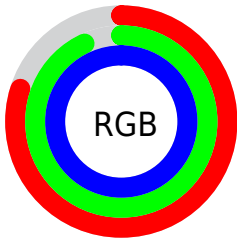
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 224, 255
Decimal	13364991
CIE Lab	92.16, -7.75, -11.99
CIE LCh	92, 14.279, 237.108
Yxy	81.0656, 0.2810, 0.3109
Android (android.graphics.Color)	4291555071 (0xFFCBEEFF)
YUV	229.4730, 12.5848, -23.2168
Hunter-Lab	90.0364, -12.3051, -7.0467

# Details

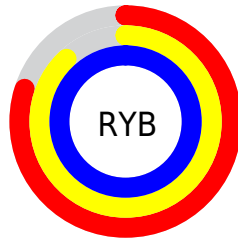
The Yxy color **81.0656, 0.2810, 0.3109** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8055, 0.3502, 0.3464**, and the grayscale version is **78.6505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8290, 0.2741, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **73.0232, 0.2656, 0.3007**, and if you desaturate by 10%, it is **89.9265, 0.2966, 0.3203**.

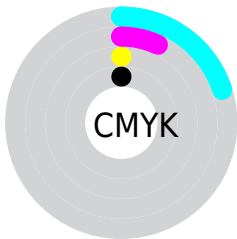
# Distribution



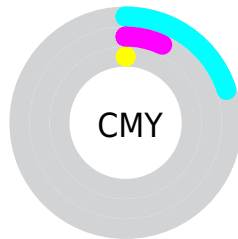
- Red (80%)
- Green (93%)
- Blue (100%)



- 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 81.0656, 0.2810, 0.3109 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 81.0656, 0.2810, 0.3109 by changing the saturation by 10% instead.



81.0656, 0.2810,  
0.3109

81.0656, 0.2810,  
0.3109

498.5168, 0.2952,  
0.3192

60.5956, 0.2778,  
0.3090

134.8629, 0.2859,  
0.3138

43.8989, 0.2740,  
0.3067

168.9590, 0.2878,  
0.3149

30.5910, 0.2692,  
0.3037

208.3659, 0.2894,  
0.3159

20.2876, 0.2631,  
0.2999

253.4680, 0.2909,  
0.3167

12.6043, 0.2549,  
0.2947

304.6498, 0.2922,  
0.3175

7.1566, 0.2437,  
0.2874

362.2956, 0.2933,

3.5603, 0.2271,

0.3181

0.2761

426.7898, 0.2943,  
0.3187

■ 1.4308, 0.2004,  
0.2570

■ 0.2392, 0.0275,  
0.1731

■ 81.0656, 0.2810,  
0.3109

■ 81.0656, 0.2810,  
0.3109

■ 73.0232, 0.2656,  
0.3007

■ 89.9265, 0.2966,  
0.3203

■ 65.7617, 0.2508,  
0.2897

99.6298, 0.3122,  
0.3287

■ 59.2489, 0.2370,  
0.2780

100.0000, 0.3127,  
0.3290

■ 53.4473, 0.2245,  
0.2657

■ 48.3155, 0.2137,  
0.2531

■ 43.8064, 0.2048,  
0.2404

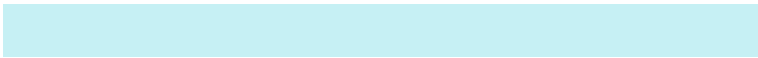
■ 39.8643, 0.1981,  
0.2278

■ 36.5182, 0.1933,  
0.2159

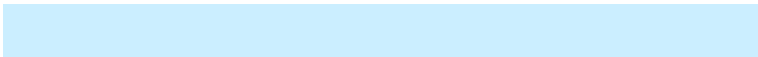
# Harmonies

## Analogous

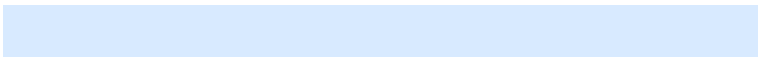
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0656, 0.2839, 0.3245



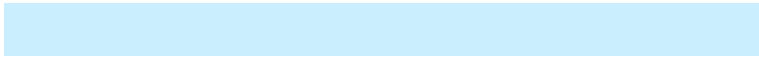
81.0656, 0.2810, 0.3109



81.0656, 0.2863, 0.3026

# Triad

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



81.0656, 0.2810, 0.3109



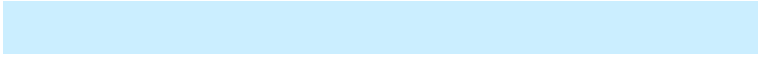
81.0656, 0.3311, 0.3183



81.0656, 0.3263, 0.3581

# Complementary

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



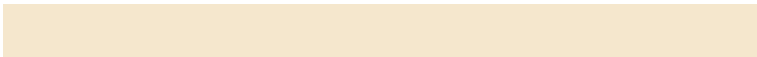
81.0656, 0.2810, 0.3109



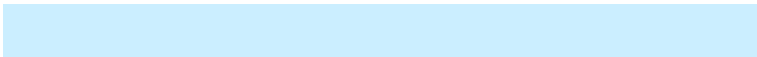
76.8055, 0.3502, 0.3464

# Split Complementary

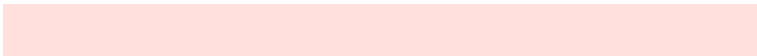
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0656, 0.3395, 0.3556



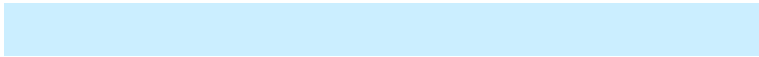
81.0656, 0.2810, 0.3109



81.0656, 0.3424, 0.3323

# Square

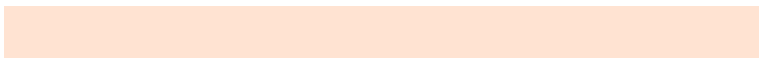
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



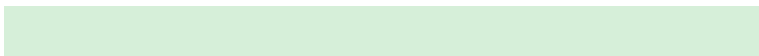
81.0656, 0.2810, 0.3109



81.0656, 0.3150, 0.3071



81.0656, 0.3455, 0.3459

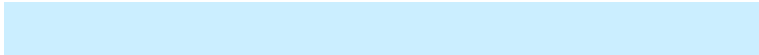


81.0656, 0.3098, 0.3524



# Rectangle

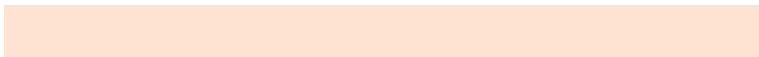
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0656, 0.2810, 0.3109



81.0656, 0.2939, 0.3010



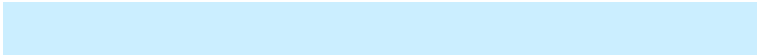
81.0656, 0.3455, 0.3459



81.0656, 0.3313, 0.3582

# Sweetspot

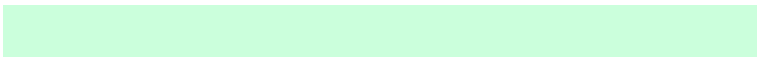
The Sweet Spot groups the original color and five complimentary colors.



81.0675, 0.2810, 0.3109



94.0561, 0.3034, 0.3241



89.3680, 0.3010, 0.3672



19.9974, 0.3024, 0.3235



0.0000, 0.0000, 0.0000

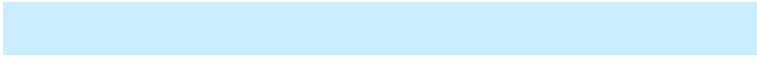


21.4041, 0.3127, 0.3290

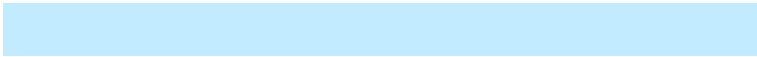


# Same Dimension

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



81.0675, 0.2810, 0.3109



78.0505, 0.2754, 0.3073



67.3092, 0.2792, 0.2831



19.4194, 0.2980, 0.3210



19.3657, 0.1939, 0.2179



2.0852, 0.1978, 0.2321



# Inverse Universe

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



70.1773, 0.3272, 0.2942



65.7498, 0.3303, 0.2877



91.1705, 0.3453, 0.3711



18.1932, 0.3189, 0.3131



12.6829, 0.4255, 0.2117

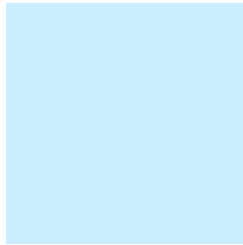


1.2550, 0.4105, 0.2035



# Previews

## White Background



This preview shows how the Yxy color 81.0656, 0.2810, 0.3109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

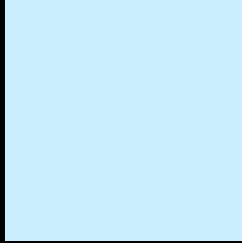
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.0656, 0.2810, 0.3109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

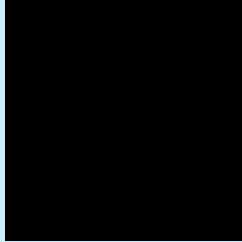
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

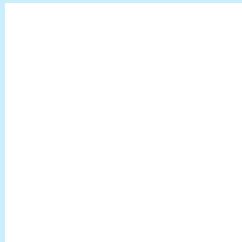
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.0656, 0.2810, 0.3109**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0656, 0.2810, 0.3109.

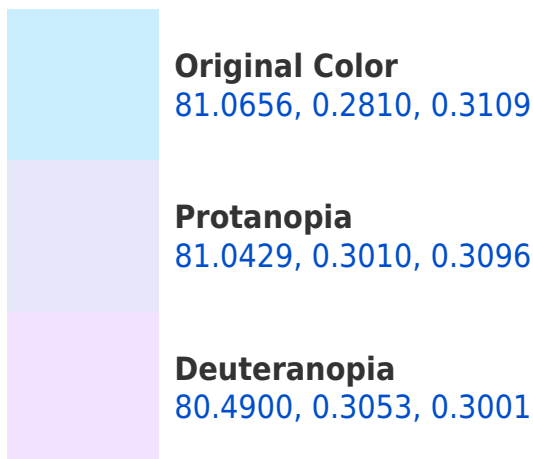


This preview shows how white text looks on a background with the Yxy color 81.0656, 0.2810, 0.3109.

# 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

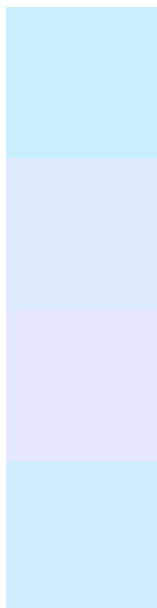




## Tritanopia

80.9102, 0.2827, 0.3100

# Trichromacy



## Original Color

81.0656, 0.2810, 0.3109

## Protanomaly

81.2461, 0.2934, 0.3104

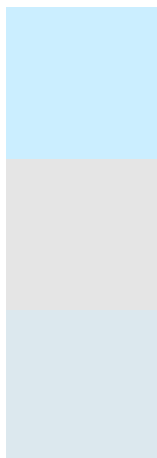
## Deuteranomaly

80.3076, 0.2960, 0.3035

## Tritanomaly

80.7675, 0.2821, 0.3099

# Monochromacy



## Original Color

81.0656, 0.2810, 0.3109

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

79.1019, 0.3010, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0656, 0.2810, 0.3109 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(203, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0656, 0.2810, 0.3109 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(203, 238, 255) }
```

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

```
.border{ border-color:rgb(203, 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(203, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0656, 0.2810, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 238, 255) }
```

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

```
.background{ background-color: rgb(203,  
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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