

# Converting Colors

$Yxy(80.2683, 0.2815, 0.3093)$

Have a look what the booklet for  
Yxy(80.2683, 0.2815, 0.3093)  
contains.

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# Color

**Yxy(80.0483, 0.2814, 0.3088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCECFE
RGB	204, 236, 255
RGB Percent	80%, 93%, 100%
CMY	0.2001, 0.0745, 0.0000
CMYK	0.20, 0.07, 0.00, 0.00
HSL	202°, 100%, 90%
HSV	202°, 20%, 100%
XYZ	72.9456, 80.0483, 106.2299
YIQ	228.5980, -25.1710, -0.8750

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">204, 224, 255</a>
Decimal	<a href="#">13430015</a>
CIELab	<a href="#">91.71, -6.47, -12.66</a>
CIELCh	<a href="#">92, 14.220, 242.925</a>
Yxy	<a href="#">80.0483, 0.2814, 0.3088</a>
Android (android.graphics.Color)	<a href="#">4291620095</a> ( <a href="#">0xFFCCECFF</a> )
YUV	<a href="#">228.5980, 13.0162, -21.5724</a>
Hunter-Lab	<a href="#">89.4697, -11.0391, -7.7679</a>

# Details

The Yxy color **80.0483, 0.2814, 0.3088** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.3805, 0.3490, 0.3484**, and the grayscale version is **77.9592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1093, 0.2746, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **71.4154, 0.2657, 0.2972**, and if you desaturate by 10%, it is **89.5656, 0.2972, 0.3194**.

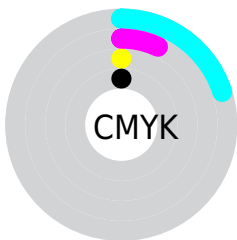
# Distribution



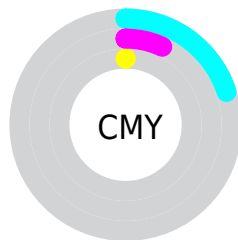
- Red (80%)
- Green (93%)
- Blue (100%)



- 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 80.0483, 0.2814, 0.3088 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 80.0483, 0.2814, 0.3088 by changing the saturation by 10% instead.



80.0483, 0.2814,  
0.3088

80.0483, 0.2814,  
0.3088

495.0956, 0.2955,  
0.3181

59.7581, 0.2783,  
0.3067

133.4336, 0.2862,  
0.3120

43.2237, 0.2744,  
0.3041

167.2976, 0.2881,  
0.3133

30.0607, 0.2697,  
0.3008

206.4549, 0.2898,  
0.3143

19.8846, 0.2636,  
0.2966

251.2899, 0.2912,  
0.3153

12.3112, 0.2554,  
0.2909

302.1871, 0.2925,  
0.3161

6.9560, 0.2442,  
0.2828

359.5309, 0.2936,

3.4346, 0.2275,

0.3169

0.2704

423.7056, 0.2946,  
0.3175

■ 1.3626, 0.2006,  
0.2495

■ 0.1889, 0.0165,  
0.1445

■ 80.0483, 0.2814,  
0.3088

■ 80.0483, 0.2814,  
0.3088

■ 71.4154, 0.2657,  
0.2972

■ 89.5656, 0.2972,  
0.3194

■ 63.6277, 0.2505,  
0.2846

99.9924, 0.3127,  
0.3290

■ 56.6518, 0.2361,  
0.2712

100.0000, 0.3127,  
0.3290

■ 50.4487, 0.2229,  
0.2571

■ 44.9756, 0.2113,  
0.2426

■ 40.1840, 0.2017,  
0.2280

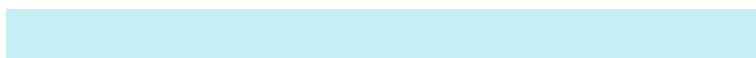
■ 36.0169, 0.1943,  
0.2136

■ 32.3866, 0.1888,  
0.1996

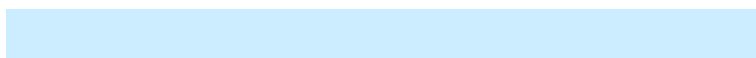
# Harmonies

## Analogous

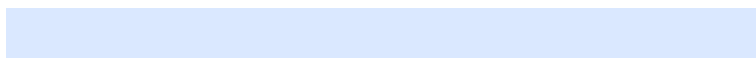
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0483, 0.2827, 0.3216



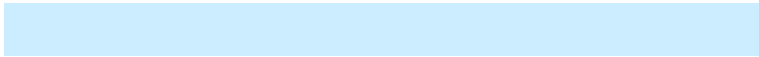
80.0483, 0.2814, 0.3088



80.0483, 0.2882, 0.3018

# Triad

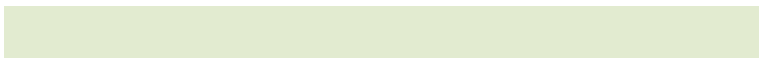
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0483, 0.2814, 0.3088



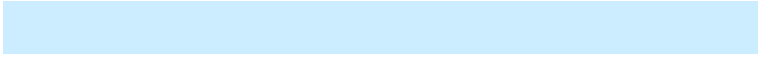
80.0483, 0.3338, 0.3209



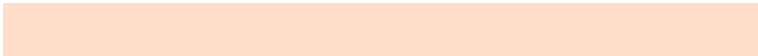
80.0483, 0.3233, 0.3577

# Complementary

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



80.0483, 0.2814, 0.3088



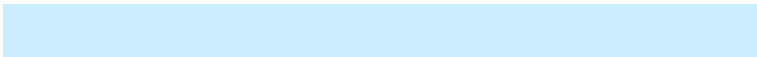
78.3805, 0.3490, 0.3484

# 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.



80.0483, 0.3374, 0.3567



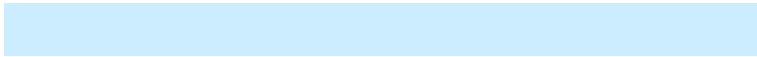
80.0483, 0.2814, 0.3088



80.0483, 0.3437, 0.3351

# Square

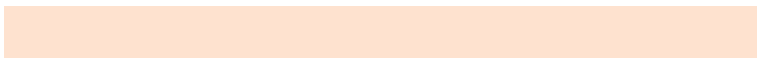
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



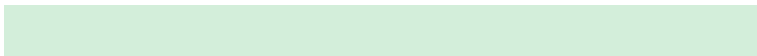
80.0483, 0.2814, 0.3088



80.0483, 0.3183, 0.3089



80.0483, 0.3450, 0.3482

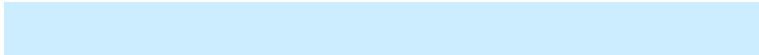


80.0483, 0.3066, 0.3504



# Rectangle

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



80.0483, 0.2814, 0.3088



80.0483, 0.2966, 0.3011



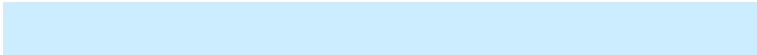
80.0483, 0.3450, 0.3482



80.0483, 0.3285, 0.3583

# Sweetspot

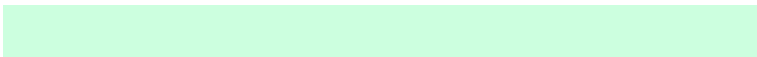
The Sweet Spot groups the original color and five complimentary colors.



80.0503, 0.2814, 0.3088



93.6325, 0.3034, 0.3234



89.6658, 0.2998, 0.3636



19.8972, 0.3024, 0.3228



0.0000, 0.0000, 0.0000

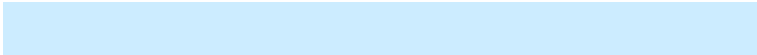


21.4041, 0.3127, 0.3290

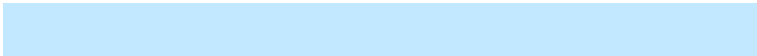


# Same Dimension

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



80.0503, 0.2814, 0.3088



76.4985, 0.2751, 0.3043



66.5364, 0.2796, 0.2811



19.2781, 0.2979, 0.3199



17.2185, 0.1894, 0.2019



1.8861, 0.1939, 0.2180



# Inverse Universe

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



70.4939, 0.3285, 0.2970



65.5932, 0.3324, 0.2904



92.8752, 0.3442, 0.3727



18.1789, 0.3195, 0.3142



12.4662, 0.4431, 0.2215

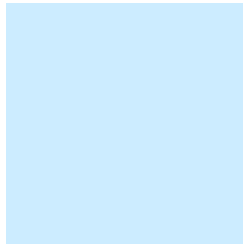


1.2349, 0.4254, 0.2117



# Previews

## White Background



This preview shows how the Yxy color 80.0483, 0.2814, 0.3088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

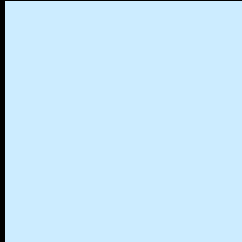
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.0483, 0.2814, 0.3088 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

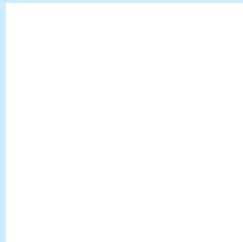
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.0483, 0.2814, 0.3088**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.0483, 0.2814, 0.3088.

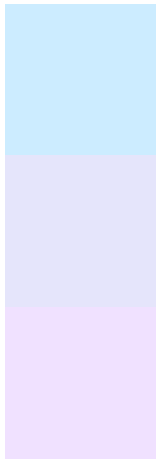


This preview shows how white text looks on a background with the Yxy color 80.0483, 0.2814, 0.3088.

# 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

80.0483, 0.2814, 0.3088

### Protanopia

79.6617, 0.2991, 0.3064

### Deuteranopia

79.5957, 0.3039, 0.2990



## Tritanopia

80.0483, 0.2814, 0.3088

# Trichromacy



**Original Color**

80.0483, 0.2814, 0.3088

**Protanomaly**

79.9571, 0.2927, 0.3082

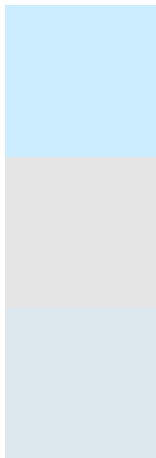
**Deuteranomaly**

79.5895, 0.2954, 0.3024

**Tritanomaly**

80.0483, 0.2814, 0.3088

# Monochromacy



**Original Color**

80.0483, 0.2814, 0.3088

**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 80.0483, 0.2814, 0.3088 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, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 236, 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, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 80.0483, 0.2814, 0.3088 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, 236, 255) }
```

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

```
.border{ border-color:rgb(204, 236, 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, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 236,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.0483, 0.2814, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 236, 255) }
```

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

```
.background{ background-color: rgb(204,  
236, 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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