

# Converting Colors

$Yxy(88.4168, 0.2824, 0.3237)$

Have a look what the booklet for  
Yxy(88.4168, 0.2824, 0.3237)  
contains.

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# Color

**Yxy(88.4286, 0.2824, 0.3237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFAFF
RGB	204, 250, 255
RGB Percent	80%, 98%, 100%
CMY	0.1998, 0.0196, 0.0000
CMYK	0.20, 0.02, 0.00, 0.00
HSL	186°, 100%, 90%
HSV	186°, 20%, 100%
XYZ	77.1462, 88.4286, 107.6059
YIQ	236.8160, -29.0210, -8.1970

# Conversions

## Conversions Part 2

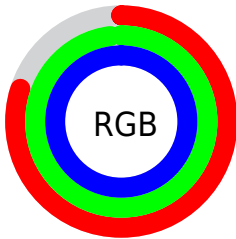
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 228, 255
Decimal	13433599
CIE Lab	95.34, -13.51, -7.25
CIE LCh	95, 15.335, 208.203
Yxy	88.4286, 0.2824, 0.3237
Android (android.graphics.Color)	4291623679 (0xFFCCFAFF)
YUV	236.8160, 8.9647, -28.7796
Hunter-Lab	94.0365, -18.1249, -2.0200

# Details

The Yxy color **88.4286, 0.2824, 0.3237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2472, 0.3516, 0.3342**, and the grayscale version is **84.4943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6067, 0.2761, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **83.5725, 0.2684, 0.3207**, and if you desaturate by 10%, it is **93.9025, 0.2973, 0.3265**.

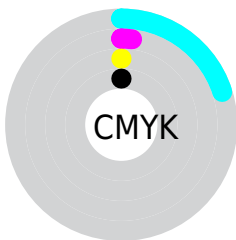
# Distribution



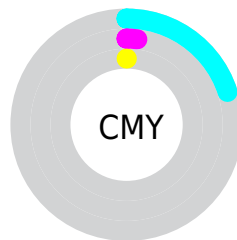
- Red (80%)
- Green (98%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4286, 0.2824, 0.3237 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 88.4286, 0.2824, 0.3237 by changing the saturation by 10% instead.



88.4286, 0.2824,  
0.3237

88.4286, 0.2824,  
0.3237

522.9058, 0.2958,  
0.3262

66.6781, 0.2795,  
0.3231

145.1537, 0.2869,  
0.3246

48.8231, 0.2759,  
0.3224

180.8971, 0.2887,  
0.3249

34.4791, 0.2715,  
0.3214

222.0735, 0.2903,  
0.3252

23.2619, 0.2659,  
0.3202

269.0675, 0.2917,  
0.3255

14.7870, 0.2586,  
0.3184

322.2633, 0.2929,  
0.3257

8.6701, 0.2485,  
0.3159

382.0453, 0.2940,

4.5266, 0.2340,

0.3259

0.3119

448.7980, 0.2949,  
0.3261

■ 1.9723, 0.2111,  
0.3048

■ 0.5913, 0.1169,  
0.2977

■ 88.4286, 0.2824,  
0.3237

■ 88.4286, 0.2824,  
0.3237

■ 83.5725, 0.2684,  
0.3207

■ 93.9025, 0.2973,  
0.3265

■ 79.2947, 0.2557,  
0.3176

99.9998, 0.3127,  
0.3290

■ 75.5675, 0.2445,  
0.3143

■ 72.3569, 0.2350,  
0.3109

■ 69.6246, 0.2274,  
0.3075

■ 67.3272, 0.2218,  
0.3040

■ 65.4126, 0.2181,  
0.3006

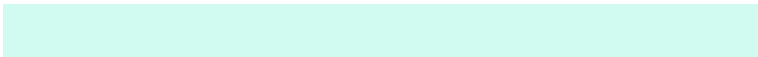
■ 63.7960, 0.2159,  
0.2973

■ 63.7929, 0.2159,  
0.2973

# Harmonies

## Analogous

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



88.4286, 0.2930, 0.3398



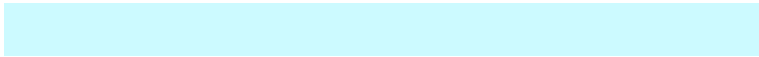
88.4286, 0.2824, 0.3237



88.4286, 0.2797, 0.3097

# Triad

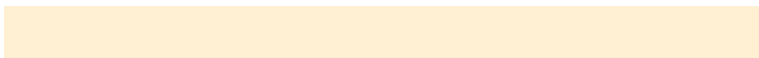
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.4286, 0.2824, 0.3237



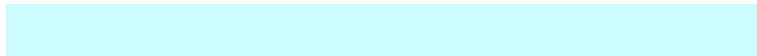
88.4286, 0.3157, 0.3065



88.4286, 0.3403, 0.3569

# Complementary

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



88.4286, 0.2824, 0.3237



71.2472, 0.3516, 0.3342

# 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.



88.4286, 0.3468, 0.3471



88.4286, 0.2824, 0.3237



88.4286, 0.3325, 0.3183

# Square

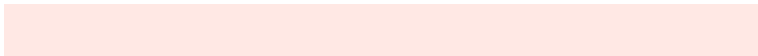
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.4286, 0.2824, 0.3237



88.4286, 0.2986, 0.3003



88.4286, 0.3440, 0.3330



88.4286, 0.3263, 0.3594

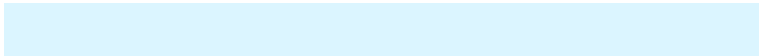


# Rectangle

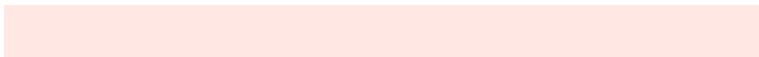
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.4286, 0.2824, 0.3237



88.4286, 0.2827, 0.3033



88.4286, 0.3440, 0.3330



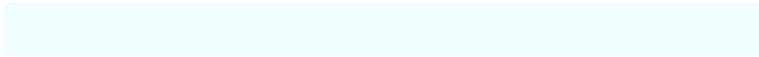
88.4286, 0.3434, 0.3543

# Sweetspot

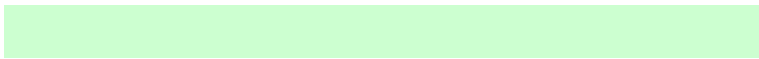
The Sweet Spot groups the original color and five complimentary colors.



88.4322, 0.2824, 0.3237



96.2582, 0.3034, 0.3275



88.9308, 0.3078, 0.3796



20.5191, 0.3024, 0.3273



0.0000, 0.0000, 0.0000

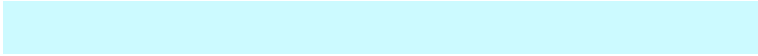


21.4041, 0.3127, 0.3290

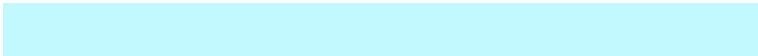


# Same Dimension

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



88.4322, 0.2824, 0.3237



86.4092, 0.2767, 0.3225



74.0645, 0.2807, 0.2972



20.1586, 0.2980, 0.3266



33.4586, 0.2161, 0.2978



3.3424, 0.2171, 0.3017



# Inverse Universe

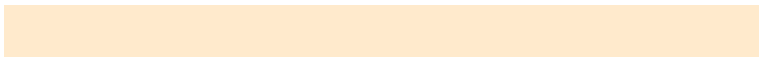
The Inverse Universe completely reimagines the original color for something new.



71.3702, 0.3185, 0.2838



66.5937, 0.3199, 0.2745



84.3353, 0.3468, 0.3589



18.2678, 0.3153, 0.3078



14.1056, 0.3473, 0.1687

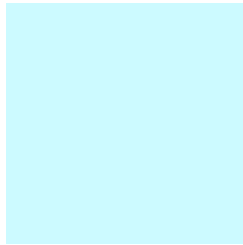


1.3820, 0.3440, 0.1668



# Previews

## White Background



This preview shows how the Yxy color 88.4286, 0.2824, 0.3237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

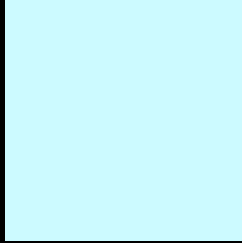
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4286, 0.2824, 0.3237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

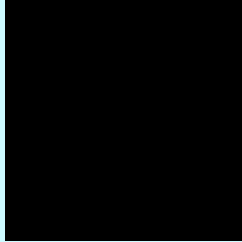
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.4286, 0.2824, 0.3237**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4286, 0.2824, 0.3237.

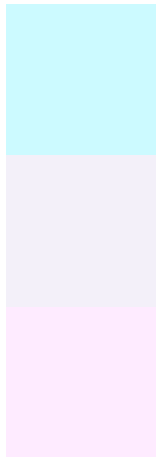


This preview shows how white text looks on a background with the Yxy color 88.4286, 0.2824, 0.3237.

# 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

88.4286, 0.2824, 0.3237

### Protanopia

88.2144, 0.3092, 0.3201

### Deuteranopia

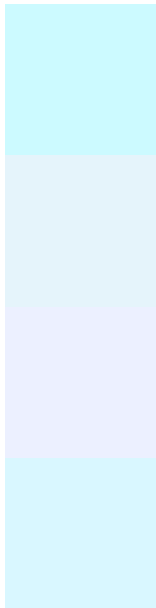
87.7075, 0.3130, 0.3097



## Tritanopia

88.3721, 0.2938, 0.3188

# Trichromacy



## Original Color

88.4286, 0.2824, 0.3237

## Protanomaly

88.3244, 0.2991, 0.3219

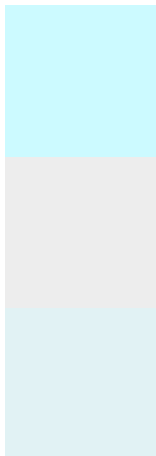
## Deuteranomaly

87.3730, 0.3012, 0.3140

## Tritanomaly

88.4932, 0.2897, 0.3207

# Monochromacy



## Original Color

88.4286, 0.2824, 0.3237

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

86.0435, 0.3007, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4286, 0.2824, 0.3237 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 250, 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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4286, 0.2824, 0.3237 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, 250, 255) }
```

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

```
.border{ border-color:rgb(204, 250, 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, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4286, 0.2824, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 250, 255) }
```

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

```
.background{ background-color: rgb(204,  
250, 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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