

# Converting Colors

$Yxy(88.9573, 0.2824, 0.3246)$

Have a look what the booklet for  
Yxy(88.9573, 0.2824, 0.3246)  
contains.

<b>Yxy(89.0517, 0.2824, 0.3248)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(89.0517, 0.2824, 0.3248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFBFF
RGB	204, 251, 255
RGB Percent	80%, 98%, 100%
CMY	0.2004, 0.0156, 0.0001
CMYK	0.20, 0.02, 0.00, 0.00
HSL	185°, 100%, 90%
HSV	185°, 20%, 100%
XYZ	77.4267, 89.0517, 107.6955
YIQ	237.4030, -29.2960, -8.7200

# Conversions

## Conversions Part 2

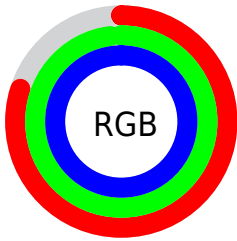
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 228, 255
Decimal	13433855
CIELab	95.60, -14.07, -6.85
CIELCh	96, 15.655, 205.961
Yxy	89.0517, 0.2824, 0.3248
Android (android.graphics.Color)	4291623935 (0xFFCCFBFF)
YUV	237.4030, 8.6753, -29.2944
Hunter-Lab	94.3672, -18.6863, -1.6070

# Details

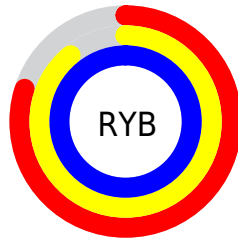
The Yxy color **89.0517, 0.2824, 0.3248** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.6533, 0.3520, 0.3332**, and the grayscale version is **84.9524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0504, 0.2762, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **84.5189, 0.2686, 0.3225**, and if you desaturate by 10%, it is **94.1943, 0.2972, 0.3270**.

# Distribution



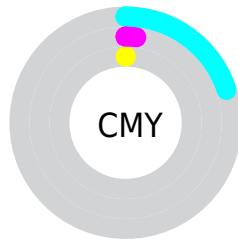
- Red (80%)
- Green (98%)
- Blue (100%)



- 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 89.0517, 0.2824, 0.3248 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 89.0517, 0.2824, 0.3248 by changing the saturation by 10% instead.




 89.0517, 0.2824,  
0.3248

 89.0517, 0.2824,  
0.3248


524.9412, 0.2958,  
0.3268

 67.1944, 0.2795,  
0.3243


146.0205, 0.2869,  
0.3255

 49.2426, 0.2759,  
0.3237


181.9007, 0.2887,  
0.3258

 34.8120, 0.2715,  
0.3229


223.2241, 0.2903,  
0.3260

 23.5181, 0.2660,  
0.3219

270.3749, 0.2917,  
0.3262

 14.9765, 0.2587,  
0.3204

323.7377, 0.2929,  
0.3264

 8.8029, 0.2487,  
0.3183

383.6967, 0.2940,

 4.6128, 0.2342,

0.3266

0.3149

450.6364, 0.2949,  
0.3267

■ 2.0220, 0.2116,  
0.3088

■ 0.6202, 0.1209,  
0.3050

■ 89.0517, 0.2824,  
0.3248

■ 89.0517, 0.2824,  
0.3248

■ 84.5189, 0.2686,  
0.3225

■ 94.1943, 0.2972,  
0.3270

■ 80.5562, 0.2560,  
0.3200

99.9626, 0.3127,  
0.3290

■ 77.1362, 0.2450,  
0.3174

99.9986, 0.3127,  
0.3290

■ 74.2248, 0.2358,  
0.3148

■ 71.7838, 0.2285,  
0.3121

■ 69.7697, 0.2232,  
0.3094

■ 68.1306, 0.2198,  
0.3067

■ 66.7848, 0.2178,  
0.3042

# Harmonies

## Analogous

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



89.0517, 0.2937, 0.3412



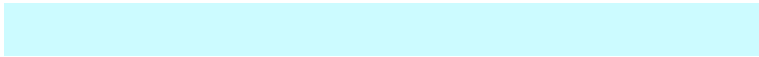
89.0517, 0.2824, 0.3248



89.0517, 0.2790, 0.3102

# Triad

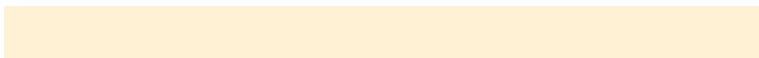
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0517, 0.2824, 0.3248



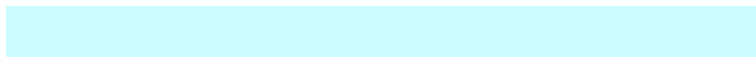
89.0517, 0.3144, 0.3054



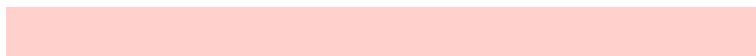
89.0517, 0.3416, 0.3569

# Complementary

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



89.0517, 0.2824, 0.3248



70.6533, 0.3520, 0.3332

# 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.



89.0517, 0.3476, 0.3464



89.0517, 0.2824, 0.3248



89.0517, 0.3317, 0.3171

# Square

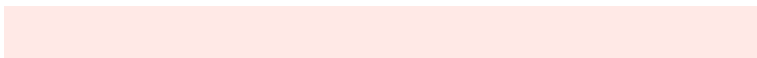
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0517, 0.2824, 0.3248



89.0517, 0.2971, 0.2996



89.0517, 0.3440, 0.3319



89.0517, 0.3278, 0.3601

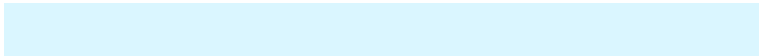


# Rectangle

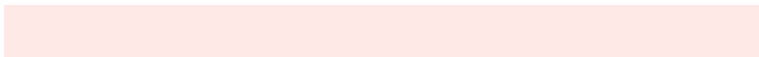
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0517, 0.2824, 0.3248



89.0517, 0.2816, 0.3034



89.0517, 0.3440, 0.3319



89.0517, 0.3446, 0.3541

# Sweetspot

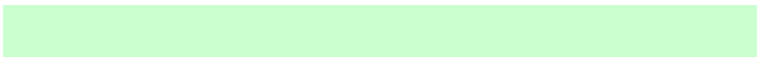
The Sweet Spot groups the original color and five complimentary colors.



89.0553, 0.2824, 0.3248



96.4603, 0.3034, 0.3278



88.8506, 0.3082, 0.3807



20.5670, 0.3024, 0.3277



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

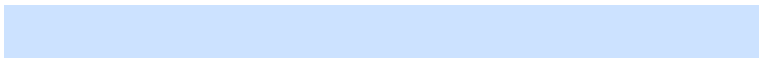
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0553, 0.2824, 0.3248



87.2005, 0.2768, 0.3239



74.4566, 0.2807, 0.2980



20.2268, 0.2980, 0.3271



35.0044, 0.2179, 0.3046



3.4768, 0.2188, 0.3076



# Inverse Universe

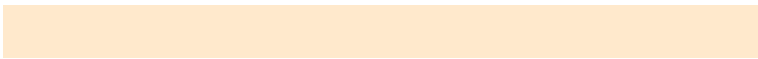
The Inverse Universe completely reimagines the original color for something new.



71.3648, 0.3178, 0.2827



66.6735, 0.3189, 0.2734



83.8027, 0.3471, 0.3582



18.2747, 0.3150, 0.3074



14.2617, 0.3414, 0.1654



1.3955, 0.3388, 0.1640



# Previews

## White Background



This preview shows how the Yxy color 89.0517, 0.2824, 0.3248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

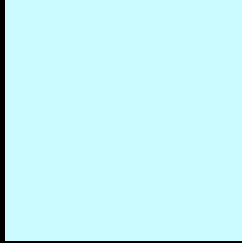
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.0517, 0.2824, 0.3248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

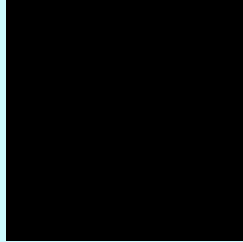
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.0517, 0.2824, 0.3248**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.0517, 0.2824, 0.3248.

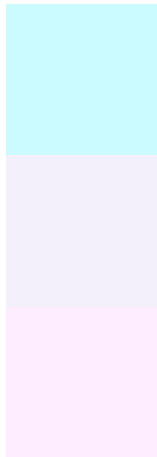


This preview shows how white text looks on a background with the Yxy color 89.0517, 0.2824, 0.3248.

# 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

89.0517, 0.2824, 0.3248

### Protanopia

88.3928, 0.3099, 0.3201

### Deuteranopia

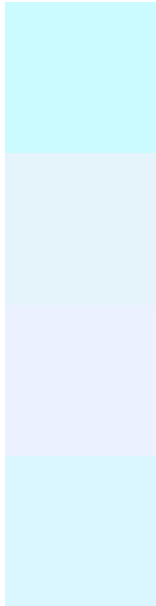
88.2817, 0.3129, 0.3107



## Tritanopia

88.6936, 0.2950, 0.3189

# Trichromacy



## Original Color

89.0517, 0.2824, 0.3248

## Protanomaly

88.3244, 0.2991, 0.3219

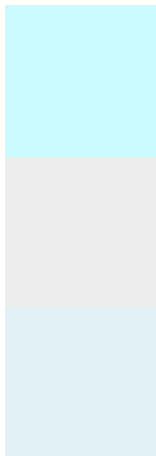
## Deuteranomaly

87.9635, 0.3012, 0.3150

## Tritanomaly

88.6470, 0.2903, 0.3208

# Monochromacy



## Original Color

89.0517, 0.2824, 0.3248

## 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 89.0517, 0.2824, 0.3248 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 251, 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, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 251, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 89.0517, 0.2824, 0.3248 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, 251, 255) }
```

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

```
.border{ border-color:rgb(204, 251, 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, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 251,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.0517, 0.2824, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 251, 255) }
```

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

```
.background{ background-color: rgb(204,  
251, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor