

# Converting Colors

$Yxy(89.6246, 0.2472, 0.2522)$

Have a look what the booklet for  
Yxy(89.6246, 0.2472, 0.2522)  
contains.

<b>Yxy(84.3389, 0.2803, 0.3173)</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(84.3389, 0.2803, 0.3173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F4FF
RGB	201, 244, 255
RGB Percent	79%, 96%, 100%
CMY	0.2114, 0.0432, 0.0000
CMYK	0.21, 0.04, 0.00, 0.00
HSL	192°, 100%, 89%
HSV	192°, 21%, 100%
XYZ	74.5042, 84.3389, 106.9586
YIQ	232.3970, -29.1590, -5.6950

# Conversions

## Conversions Part 2

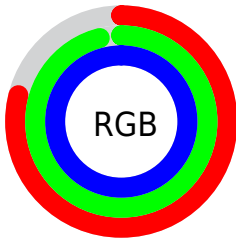
Format	Color
R <sub>Y</sub> B	201, 225, 255
Decimal	13235455
CIE Lab	93.60, -11.39, -9.85
CIE LCh	94, 15.057, 220.875
Yxy	84.3389, 0.2803, 0.3173
Android (android.graphics.Color)	4291425535 (0xFFC9F4FF)
YUV	232.3970, 11.1433, -27.5352
Hunter-Lab	91.8362, -15.9012, -4.7678

# Details

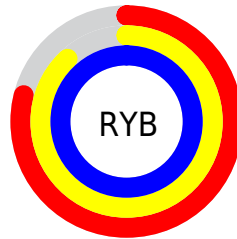
The Yxy color **84.3389, 0.2803, 0.3173** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.6173, 0.3533, 0.3404**, and the grayscale version is **80.9531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1546, 0.2734, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **78.0043, 0.2658, 0.3110**, and if you desaturate by 10%, it is **91.3556, 0.2955, 0.3231**.

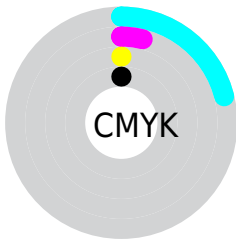
# Distribution



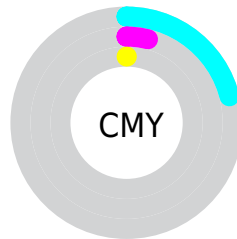
- Red (79%)
- Green (96%)
- Blue (100%)



- Red (79%)
- Yellow (88%)
- Blue (100%)



- Cyan (21%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3389, 0.2803, 0.3173 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 84.3389, 0.2803, 0.3173 by changing the saturation by 10% instead.



84.3389, 0.2803,  
0.3173

84.3389, 0.2803,  
0.3173

509.4380, 0.2948,  
0.3228

63.2953, 0.2771,  
0.3160

139.4491, 0.2852,  
0.3192

46.0801, 0.2733,  
0.3145

174.2846, 0.2872,  
0.3199

32.3091, 0.2685,  
0.3125

214.4860, 0.2888,  
0.3206

21.5977, 0.2623,  
0.3100

260.4379, 0.2903,  
0.3211

13.5616, 0.2543,  
0.3065

312.5247, 0.2916,  
0.3216

7.8164, 0.2432,  
0.3015

371.1307, 0.2928,

3.9777, 0.2270,

0.3220

0.2937

436.6403, 0.2938,  
0.3224

1.6611, 0.2013,  
0.2803

0.3983, 0.0617,  
0.2443

84.3389, 0.2803,  
0.3173

84.3389, 0.2803,  
0.3173

78.0043, 0.2658,  
0.3110

91.3556, 0.2955,  
0.3231

72.3120, 0.2522,  
0.3043

99.0719, 0.3109,  
0.3284

67.2333, 0.2400,  
0.2972

100.0000, 0.3127,  
0.3290

62.7328, 0.2293,  
0.2898

■ 58.7715, 0.2204,  
0.2823

■ 55.3040, 0.2136,  
0.2747

■ 52.2765, 0.2087,  
0.2672

■ 49.8888, 0.2057,  
0.2606

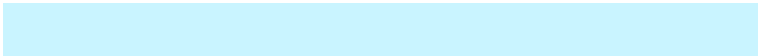
# Harmonies

## Analogous

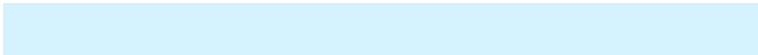
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3389, 0.2877, 0.3330



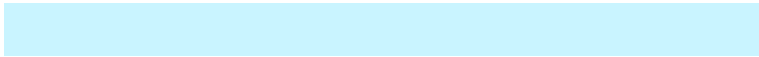
84.3389, 0.2803, 0.3173



84.3389, 0.2812, 0.3054

# Triad

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



84.3389, 0.2803, 0.3173



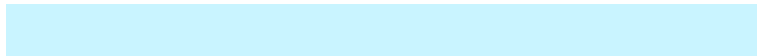
84.3389, 0.3231, 0.3110



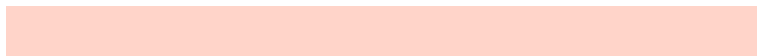
84.3389, 0.3350, 0.3589

# Complementary

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



84.3389, 0.2803, 0.3173



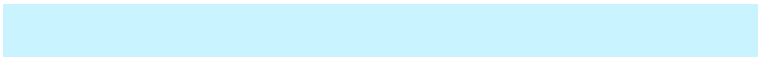
72.6173, 0.3533, 0.3404

# 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.



84.3389, 0.3451, 0.3519



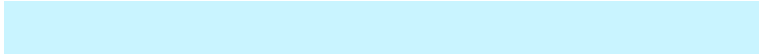
84.3389, 0.2803, 0.3173



84.3389, 0.3382, 0.3244

# Square

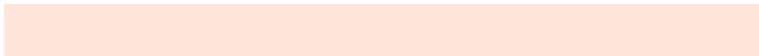
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



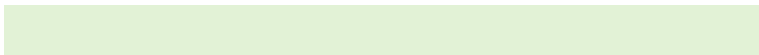
84.3389, 0.2803, 0.3173



84.3389, 0.3056, 0.3022



84.3389, 0.3463, 0.3392

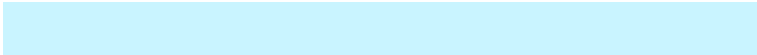


84.3389, 0.3191, 0.3577

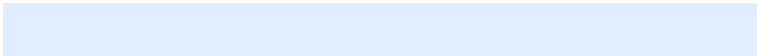


# Rectangle

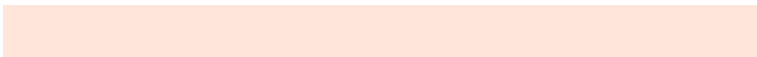
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3389, 0.2803, 0.3173



84.3389, 0.2865, 0.3010



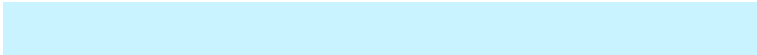
84.3389, 0.3463, 0.3392



84.3389, 0.3392, 0.3574

# Sweetspot

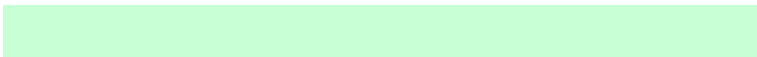
The Sweet Spot groups the original color and five complimentary colors.



84.3423, 0.2803, 0.3173



95.2348, 0.3034, 0.3259



88.6960, 0.3040, 0.3759



20.2765, 0.3024, 0.3256



0.0000, 0.0000, 0.0000

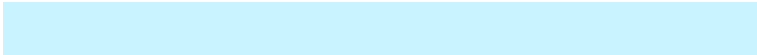


21.4041, 0.3127, 0.3290

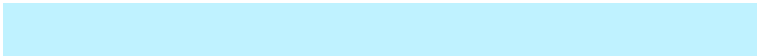


# Same Dimension

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



84.3423, 0.2803, 0.3173



81.8195, 0.2746, 0.3149



69.4088, 0.2783, 0.2881



19.8141, 0.2980, 0.3240



26.2881, 0.2061, 0.2618



2.7112, 0.2084, 0.2704



# Inverse Universe

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



69.6036, 0.3230, 0.2865



65.0402, 0.3252, 0.2785



87.1119, 0.3478, 0.3668



18.2330, 0.3169, 0.3103



13.3818, 0.3806, 0.1870

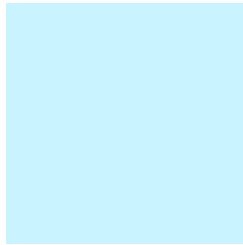


1.3182, 0.3725, 0.1826



# Previews

## White Background



This preview shows how the Yxy color 84.3389, 0.2803, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

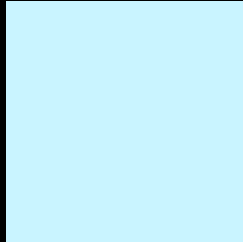
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3389, 0.2803, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

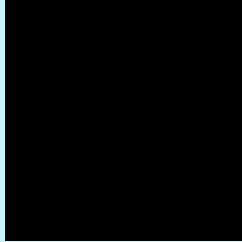
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.3389, 0.2803, 0.3173**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3389, 0.2803, 0.3173.



This preview shows how white text looks on a background with the Yxy color 84.3389, 0.2803, 0.3173.

# 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

84.3389, 0.2803, 0.3173

### Protanopia

84.0891, 0.3048, 0.3149

### Deuteranopia

83.5878, 0.3085, 0.3044



## Tritanopia

84.2767, 0.2871, 0.3144

# Trichromacy



## Original Color

84.3389, 0.2803, 0.3173

## Protanomaly

83.8021, 0.2953, 0.3156

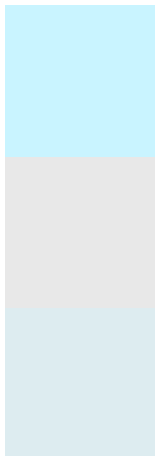
## Deuteranomaly

83.4597, 0.2974, 0.3087

## Tritanomaly

84.2796, 0.2847, 0.3154

# Monochromacy



## Original Color

84.3389, 0.2803, 0.3173

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.6543, 0.3005, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3389, 0.2803, 0.3173 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(201, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 244, 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(201, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3389, 0.2803, 0.3173 is called "border". The border property can be set on classes, ids or directly on the HTML element.

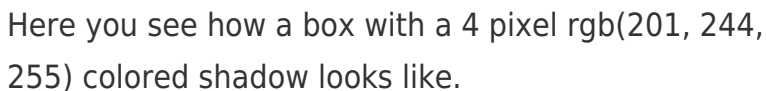
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 244, 255) }
```

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

```
.border{ border-color:rgb(201, 244, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 244, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 244, 255); box-shadow:4px 4px 4px 4px rgb(201, 244, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3389, 0.2803, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 244, 255) }
```

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

```
.background{ background-color: rgb(201,  
244, 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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