

# Converting Colors

$Yxy(85.3431, 0.2744, 0.3128)$

Have a look what the booklet for  
Yxy(85.3431, 0.2744, 0.3128)  
contains.

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# Color

**Yxy(84.8673, 0.2776, 0.3194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4F6FF
RGB	196, 246, 255
RGB Percent	77%, 96%, 100%
CMY	0.2315, 0.0352, 0.0001
CMYK	0.23, 0.04, 0.00, 0.00
HSL	189°, 100%, 88%
HSV	189°, 23%, 100%
XYZ	73.7607, 84.8673, 107.0805
YIQ	232.0760, -32.6890, -7.8010

# Conversions

## Conversions Part 2

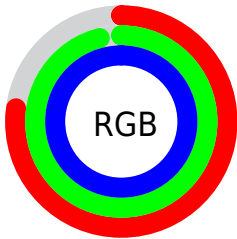
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 223, 255
Decimal	12908287
CIE <sub>Lab</sub>	93.83, -13.91, -9.54
CIE <sub>LCh</sub>	94, 16.863, 214.433
Yxy	84.8673, 0.2776, 0.3194
Android (android.graphics.Color)	4291098367 (0xFFC4F6FF)
YUV	232.0760, 11.3015, -31.6387
Hunter-Lab	92.1234, -18.2961, -4.4299

# Details

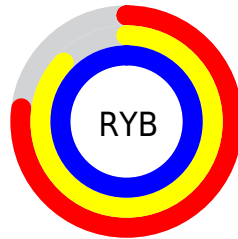
The Yxy color **84.8673, 0.2776, 0.3194** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8685, 0.3587, 0.3384**, and the grayscale version is **80.6848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **46.5668, 0.2703, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **79.4064, 0.2636, 0.3147**, and if you desaturate by 10%, it is **90.9652, 0.2924, 0.3238**.

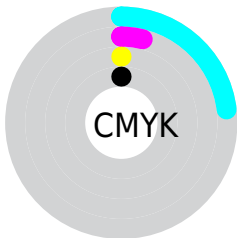
# Distribution



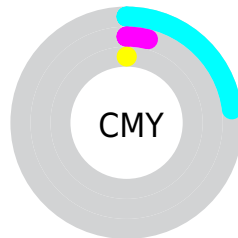
- Red (77%)
- Green (96%)
- Blue (100%)



- Red (77%)
- Yellow (87%)
- Blue (100%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8673, 0.2776, 0.3194 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 84.8673, 0.2776, 0.3194 by changing the saturation by 10% instead.



84.8673, 0.2776,  
0.3194

84.8673, 0.2776,  
0.3194

511.1889, 0.2932,  
0.3239

63.7317, 0.2742,  
0.3183

140.1878, 0.2829,  
0.3210

46.4334, 0.2700,  
0.3170

175.1414, 0.2850,  
0.3216

32.5880, 0.2648,  
0.3154

215.4700, 0.2868,  
0.3221

21.8110, 0.2583,  
0.3132

261.5577, 0.2884,  
0.3226

13.7181, 0.2496,  
0.3101

313.7891, 0.2898,  
0.3230

7.9249, 0.2377,  
0.3058

372.5485, 0.2911,

4.0469, 0.2205,

0.3233

0.2989

438.2203, 0.2922,  
0.3237

■ 1.6998, 0.1933,  
0.2867

■ 0.4236, 0.0388,  
0.2608

■ 84.8673, 0.2776,  
0.3194

■ 84.8673, 0.2776,  
0.3194

■ 79.4064, 0.2636,  
0.3147

■ 90.9652, 0.2924,  
0.3238

■ 74.5425, 0.2508,  
0.3097

■ 97.7173, 0.3078,  
0.3278

■ 70.2467, 0.2395,  
0.3044

■ 99.9985, 0.3127,  
0.3290

■ 66.4837, 0.2299,  
0.2991

■ 63.2135, 0.2222,  
0.2936

■ 60.3902, 0.2164,  
0.2881

■ 57.9576, 0.2126,  
0.2827

■ 56.4603, 0.2108,  
0.2790

# Harmonies

## Analogous

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



84.8673, 0.2877, 0.3374



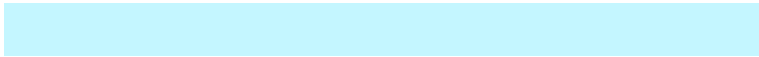
84.8673, 0.2776, 0.3194



84.8673, 0.2766, 0.3049

# Triad

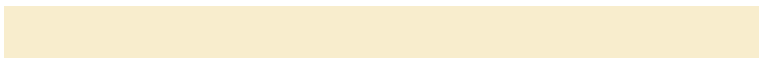
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8673, 0.2776, 0.3194



84.8673, 0.3201, 0.3063



84.8673, 0.3407, 0.3615

# Complementary

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



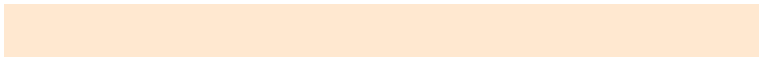
84.8673, 0.2776, 0.3194



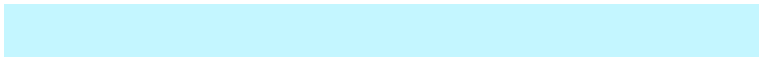
68.8685, 0.3587, 0.3384

# 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.



84.8673, 0.3501, 0.3519



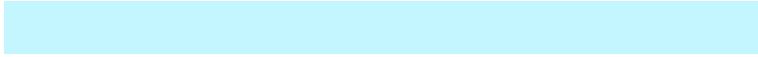
84.8673, 0.2776, 0.3194



84.8673, 0.3381, 0.3203

# Square

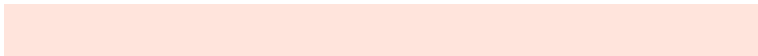
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8673, 0.2776, 0.3194



84.8673, 0.3007, 0.2980



84.8673, 0.3492, 0.3368

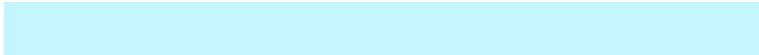


84.8673, 0.3239, 0.3623

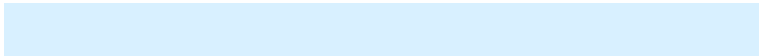


# Rectangle

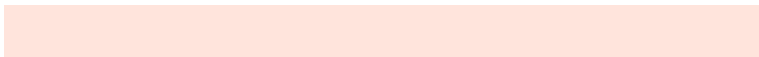
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



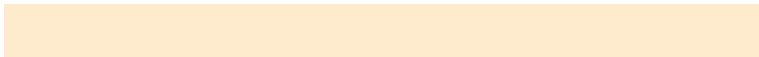
84.8673, 0.2776, 0.3194



84.8673, 0.2812, 0.2989



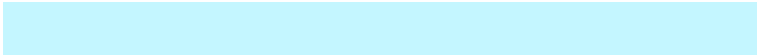
84.8673, 0.3492, 0.3368



84.8673, 0.3449, 0.3591

# Sweetspot

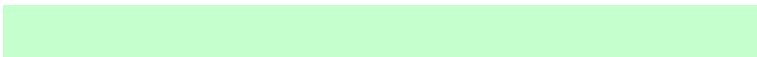
The Sweet Spot groups the original color and five complimentary colors.



84.8707, 0.2776, 0.3194



95.0529, 0.3018, 0.3263



87.6359, 0.3048, 0.3843



20.2573, 0.3009, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

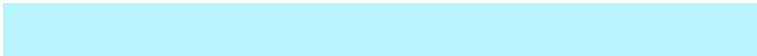


# Same Dimension

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



84.8707, 0.2776, 0.3194



82.1565, 0.2707, 0.3172



68.3803, 0.2750, 0.2870



19.9836, 0.2980, 0.3253



29.6854, 0.2111, 0.2799



3.0120, 0.2128, 0.2861



# Inverse Universe

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



67.3755, 0.3219, 0.2795



61.9162, 0.3242, 0.2689



84.2699, 0.3521, 0.3677



18.2502, 0.3161, 0.3091



13.7247, 0.3636, 0.1776

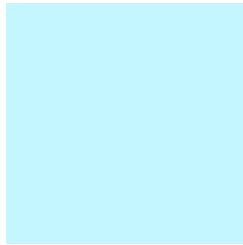


1.3486, 0.3579, 0.1745



# Previews

## White Background



This preview shows how the Yxy color 84.8673, 0.2776, 0.3194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

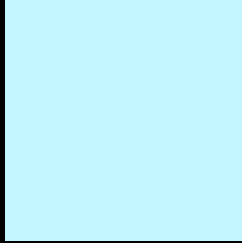
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8673, 0.2776, 0.3194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

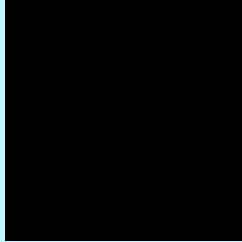
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.8673, 0.2776, 0.3194**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8673, 0.2776, 0.3194.

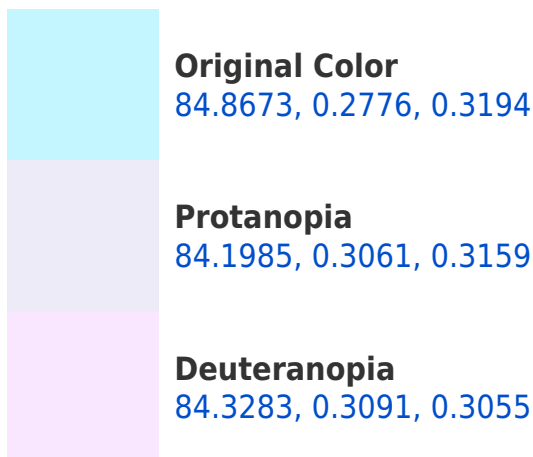


This preview shows how white text looks on a background with the Yxy color 84.8673, 0.2776, 0.3194.

# 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

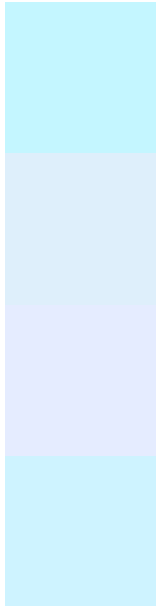




## Tritanopia

84.7213, 0.2865, 0.3154

# Trichromacy



## Original Color

84.8673, 0.2776, 0.3194

## Protanomaly

84.2276, 0.2947, 0.3166

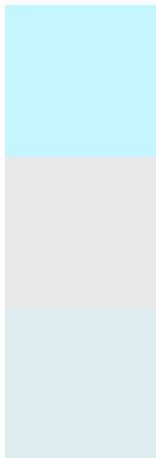
## Deuteranomaly

83.8689, 0.2968, 0.3097

## Tritanomaly

84.4430, 0.2831, 0.3164

# Monochromacy



## Original Color

84.8673, 0.2776, 0.3194

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.9197, 0.2992, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8673, 0.2776, 0.3194 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(196, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 246, 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(196, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8673, 0.2776, 0.3194 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(196, 246, 255) }
```

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

```
.border{ border-color:rgb(196, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 246,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8673, 0.2776, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 246, 255) }
```

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

```
.background{ background-color: rgb(196,  
246, 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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