

# Converting Colors

$Yxy(88.0596, 0.2574, 0.2744)$

Have a look what the booklet for  
Yxy(88.0596, 0.2574, 0.2744)  
contains.

<b>Yxy(84.6669, 0.2792, 0.3183)</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(84.6669, 0.2792, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7F5FF
RGB	199, 245, 255
RGB Percent	78%, 96%, 100%
CMY	0.2195, 0.0392, 0.0000
CMYK	0.22, 0.04, 0.00, 0.00
HSL	191°, 100%, 89%
HSV	191°, 22%, 100%
XYZ	74.2664, 84.6669, 107.0639
YIQ	232.3860, -30.6260, -6.6420

# Conversions

## Conversions Part 2

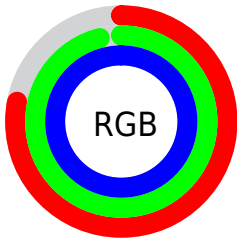
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 224, 255
Decimal	13104639
CIE Lab	93.74, -12.49, -9.67
CIE LCh	94, 15.797, 217.764
Yxy	84.6669, 0.2792, 0.3183
Android (android.graphics.Color)	4291294719 (0xFFC7F5FF)
YUV	232.3860, 11.1487, -29.2795
Hunter-Lab	92.0146, -16.9555, -4.5768

# Details

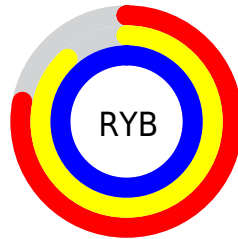
The Yxy color **84.6669, 0.2792, 0.3183** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0069, 0.3554, 0.3394**, and the grayscale version is **80.9372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4017, 0.2722, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **78.7417, 0.2649, 0.3128**, and if you desaturate by 10%, it is **91.2469, 0.2942, 0.3235**.

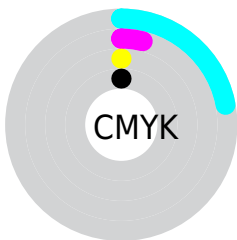
# Distribution



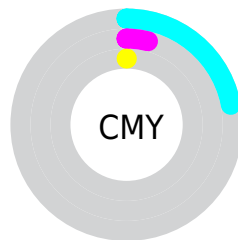
- Red (78%)
- Green (96%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6669, 0.2792, 0.3183 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 84.6669, 0.2792, 0.3183 by changing the saturation by 10% instead.



84.6669, 0.2792,  
0.3183

84.6669, 0.2792,  
0.3183

510.5252, 0.2941,  
0.3233

63.5662, 0.2759,  
0.3171

139.9077, 0.2843,  
0.3201

46.2994, 0.2719,  
0.3157

174.8166, 0.2863,  
0.3207

32.4821, 0.2670,  
0.3139

215.0969, 0.2880,  
0.3213

21.7300, 0.2607,  
0.3115

261.1332, 0.2895,  
0.3218

13.6587, 0.2524,  
0.3082

313.3098, 0.2909,  
0.3223

7.8837, 0.2410,  
0.3036

372.0110, 0.2921,

4.0206, 0.2244,

0.3227

0.2962

437.6214, 0.2932,  
0.3230

1.6851, 0.1981,  
0.2835

0.4140, 0.0541,  
0.2526

84.6669, 0.2792,  
0.3183

84.6669, 0.2792,  
0.3183

78.7417, 0.2649,  
0.3128

91.2469, 0.2942,  
0.3235

73.4383, 0.2517,  
0.3069

98.5057, 0.3097,  
0.3281

68.7256, 0.2399,  
0.3007

100.0000, 0.3127,  
0.3290

64.5684, 0.2297,  
0.2943

■ 60.9272, 0.2214,  
0.2878

■ 57.7568, 0.2150,  
0.2813

■ 55.0023, 0.2106,  
0.2748

■ 53.0207, 0.2082,  
0.2696

# Harmonies

## Analogous

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



84.6669, 0.2878, 0.3350



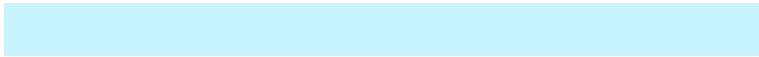
84.6669, 0.2792, 0.3183



84.6669, 0.2793, 0.3052

# Triad

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



84.6669, 0.2792, 0.3183



84.6669, 0.3217, 0.3090



84.6669, 0.3375, 0.3600

# Complementary

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



84.6669, 0.2792, 0.3183



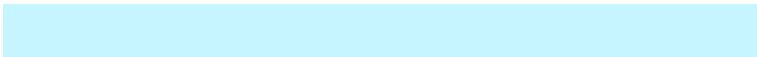
71.0069, 0.3554, 0.3394

# 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.



84.6669, 0.3472, 0.3518



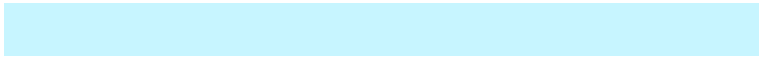
84.6669, 0.2792, 0.3183



84.6669, 0.3380, 0.3225

# Square

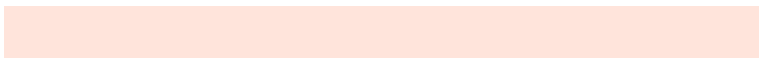
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6669, 0.2792, 0.3183



84.6669, 0.3034, 0.3004



84.6669, 0.3475, 0.3381

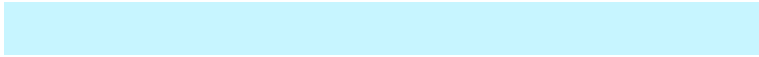


84.6669, 0.3213, 0.3596

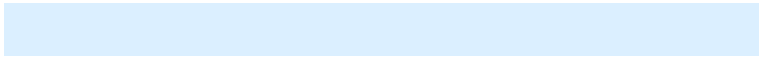


# Rectangle

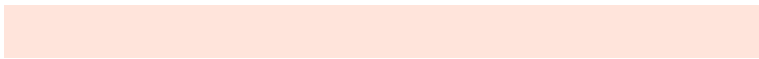
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



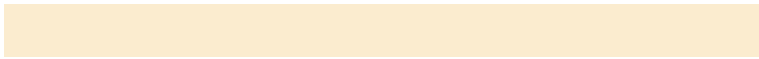
84.6669, 0.2792, 0.3183



84.6669, 0.2842, 0.3002



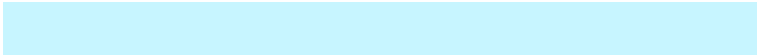
84.6669, 0.3475, 0.3381



84.6669, 0.3417, 0.3581

# Sweetspot

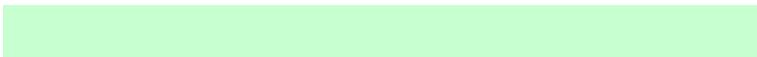
The Sweet Spot groups the original color and five complimentary colors.



84.6681, 0.2792, 0.3183



94.7509, 0.3018, 0.3258



88.2390, 0.3047, 0.3800



20.1871, 0.3009, 0.3255



0.0000, 0.0000, 0.0000

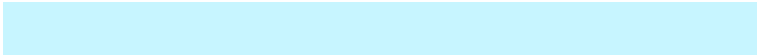


21.4041, 0.3127, 0.3290

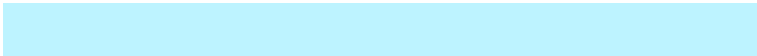


# Same Dimension

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



84.6681, 0.2792, 0.3183



82.1889, 0.2733, 0.3161



69.3496, 0.2770, 0.2884



19.8964, 0.2980, 0.3246



27.9051, 0.2085, 0.2707



2.8548, 0.2106, 0.2781



# Inverse Universe

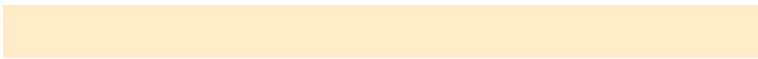
The Inverse Universe completely reimagines the original color for something new.



68.7157, 0.3224, 0.2835



64.0061, 0.3245, 0.2749



85.5752, 0.3497, 0.3665



18.2413, 0.3166, 0.3097



13.5450, 0.3722, 0.1824

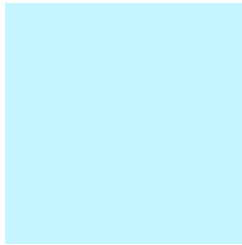


1.3327, 0.3653, 0.1786



# Previews

## White Background



This preview shows how the Yxy color 84.6669, 0.2792, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

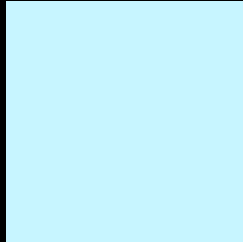
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.6669, 0.2792, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

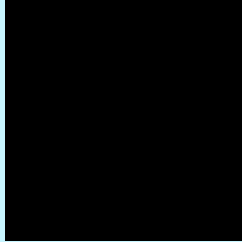
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.6669, 0.2792, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6669, 0.2792, 0.3183.

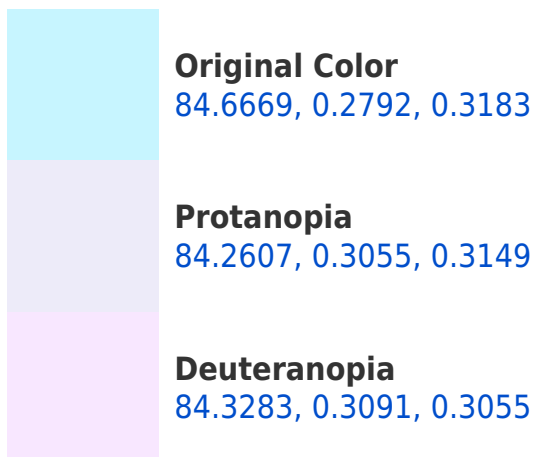


This preview shows how white text looks on a background with the Yxy color 84.6669, 0.2792, 0.3183.

# 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

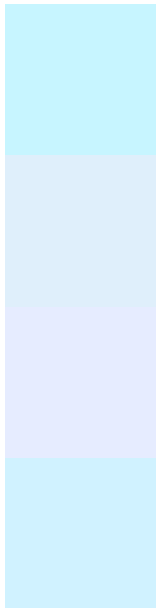




## Tritanopia

84.2767, 0.2871, 0.3144

# Trichromacy



## Original Color

84.6669, 0.2792, 0.3183

## Protanomaly

84.3860, 0.2953, 0.3166

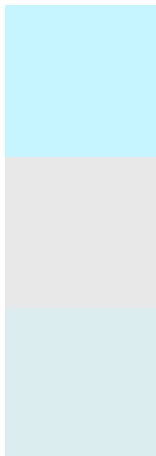
## Deuteranomaly

84.0339, 0.2974, 0.3098

## Tritanomaly

84.1342, 0.2842, 0.3153

# Monochromacy



## Original Color

84.6669, 0.2792, 0.3183

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

82.0753, 0.2998, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.6669, 0.2792, 0.3183 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(199, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 245, 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(199, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 245, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6669, 0.2792, 0.3183 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(199, 245, 255) }
```

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

```
.border{ border-color:rgb(199, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 245,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6669, 0.2792, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 245, 255) }
```

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

```
.background{ background-color: rgb(199,  
245, 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