

# Converting Colors

$Yxy(84.8638, 0.2820, 0.3176)$

Have a look what the booklet for  
Yxy(84.8638, 0.2820, 0.3176)  
contains.

<b>Yxy(84.7587, 0.2820, 0.3174)</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(84.7587, 0.2820, 0.3174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF4FF
RGB	204, 244, 255
RGB Percent	80%, 96%, 100%
CMY	0.1999, 0.0431, 0.0001
CMYK	0.20, 0.04, 0.00, 0.00
HSL	193°, 100%, 90%
HSV	193°, 20%, 100%
XYZ	75.3055, 84.7587, 106.9765
YIQ	233.2940, -27.3710, -5.0590

# Conversions

## Conversions Part 2

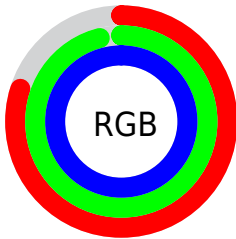
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 226, 255
Decimal	13432063
CIELab	93.78, -10.52, -9.55
CIELCh	94, 14.210, 222.235
Yxy	84.7587, 0.2820, 0.3174
Android (android.graphics.Color)	4291622143 (0xFFCCCF4FF)
YUV	233.2940, 10.7011, -25.6908
Hunter-Lab	92.0645, -15.1062, -4.4483

# Details

The Yxy color **84.7587, 0.2820, 0.3174** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2219, 0.3505, 0.3403**, and the grayscale version is **81.6571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4332, 0.2755, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **78.1918, 0.2673, 0.3108**, and if you desaturate by 10%, it is **92.0209, 0.2972, 0.3235**.

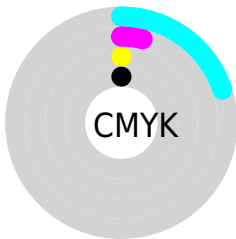
# Distribution



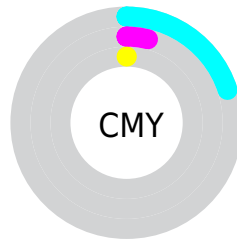
- Red (80%)
- Green (96%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7587, 0.2820, 0.3174 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 84.7587, 0.2820, 0.3174 by changing the saturation by 10% instead.



84.7587, 0.2820,  
0.3174

84.7587, 0.2820,  
0.3174

510.8293, 0.2957,  
0.3228

63.6420, 0.2790,  
0.3162

140.0360, 0.2867,  
0.3193

46.3608, 0.2753,  
0.3147

174.9654, 0.2885,  
0.3200

32.5306, 0.2708,  
0.3127

215.2678, 0.2901,  
0.3206

21.7671, 0.2650,  
0.3102

261.3277, 0.2915,  
0.3212

13.6859, 0.2573,  
0.3068

313.5294, 0.2927,  
0.3216

7.9025, 0.2468,  
0.3020

372.2573, 0.2938,

4.0326, 0.2315,

0.3221

0.2945

437.8958, 0.2948,  
0.3224

■ 1.6918, 0.2070,  
0.2815

■ 0.4184, 0.0832,  
0.2474

■ 84.7587, 0.2820,  
0.3174

■ 84.7587, 0.2820,  
0.3174

■ 78.1918, 0.2673,  
0.3108

■ 92.0209, 0.2972,  
0.3235

■ 72.2802, 0.2535,  
0.3037

99.9900, 0.3127,  
0.3290

■ 66.9956, 0.2410,  
0.2963

99.9984, 0.3127,  
0.3290

■ 62.3029, 0.2299,  
0.2885

■ 58.1633, 0.2207,  
0.2805

■ 54.5324, 0.2135,  
0.2725

■ 51.3574, 0.2082,  
0.2645

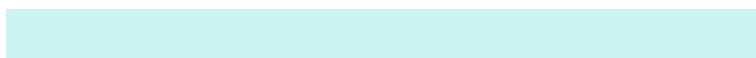
■ 48.5526, 0.2046,  
0.2566

■ 48.5469, 0.2046,  
0.2566

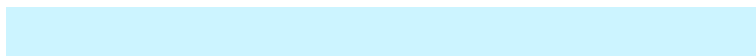
# Harmonies

## Analogous

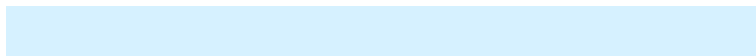
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7587, 0.2887, 0.3321



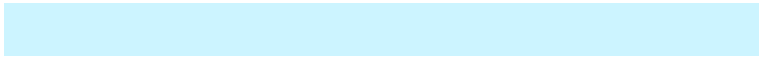
84.7587, 0.2820, 0.3174



84.7587, 0.2833, 0.3064

# Triad

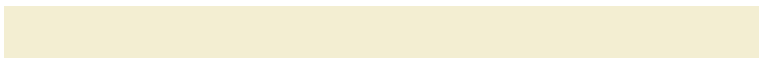
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7587, 0.2820, 0.3174



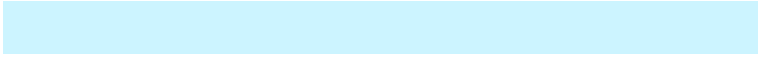
84.7587, 0.3233, 0.3125



84.7587, 0.3332, 0.3573

# Complementary

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



84.7587, 0.2820, 0.3174



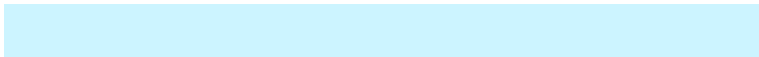
74.2219, 0.3505, 0.3403

# 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.



84.7587, 0.3429, 0.3511



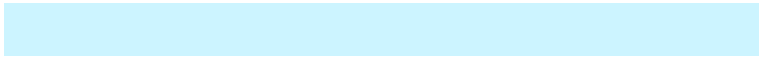
84.7587, 0.2820, 0.3174



84.7587, 0.3372, 0.3253

# Square

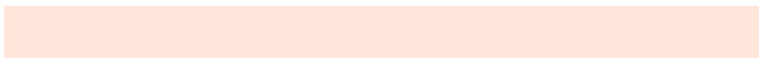
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



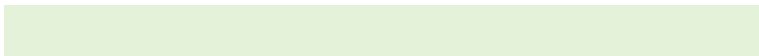
84.7587, 0.2820, 0.3174



84.7587, 0.3068, 0.3040



84.7587, 0.3445, 0.3393

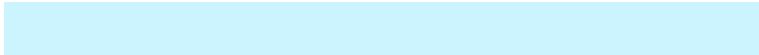


84.7587, 0.3180, 0.3557

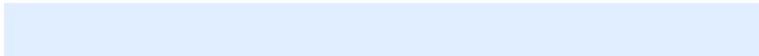


# Rectangle

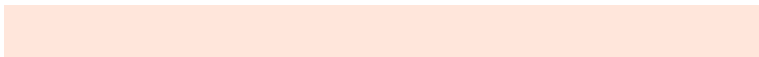
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7587, 0.2820, 0.3174



84.7587, 0.2885, 0.3024



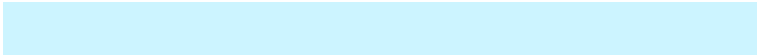
84.7587, 0.3445, 0.3393



84.7587, 0.3372, 0.3560

# Sweetspot

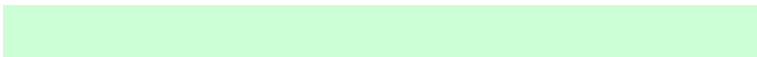
The Sweet Spot groups the original color and five complimentary colors.



84.7622, 0.2820, 0.3174



95.1277, 0.3034, 0.3257



89.2128, 0.3045, 0.3730



20.2511, 0.3024, 0.3254



0.0000, 0.0000, 0.0000

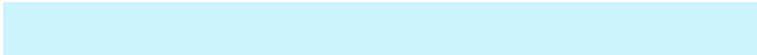


21.4041, 0.3127, 0.3290

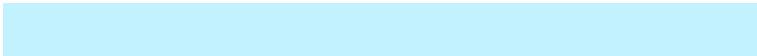


# Same Dimension

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



84.7622, 0.2820, 0.3174



82.0571, 0.2760, 0.3148



70.8888, 0.2803, 0.2906



19.7781, 0.2980, 0.3238



25.6003, 0.2050, 0.2579



2.6499, 0.2075, 0.2670



# Inverse Universe

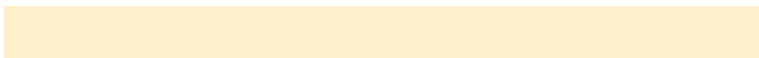
The Inverse Universe completely reimagines the original color for something new.



70.9889, 0.3228, 0.2894



66.1543, 0.3251, 0.2812



87.7560, 0.3457, 0.3646



18.2294, 0.3171, 0.3105



13.3123, 0.3844, 0.1891

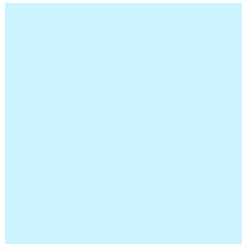


1.3120, 0.3757, 0.1843



# Previews

## White Background



This preview shows how the Yxy color 84.7587, 0.2820, 0.3174 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

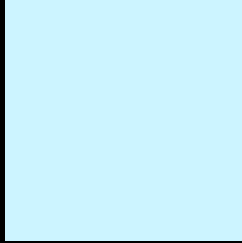
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7587, 0.2820, 0.3174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

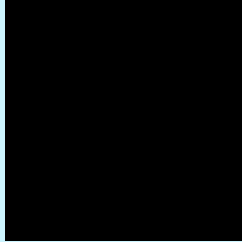
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.7587, 0.2820, 0.3174**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7587, 0.2820, 0.3174.

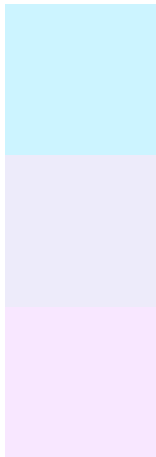


This preview shows how white text looks on a background with the Yxy color 84.7587, 0.2820, 0.3174.

# 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

84.7587, 0.2820, 0.3174

### Protanopia

84.3233, 0.3049, 0.3139

### Deuteranopia

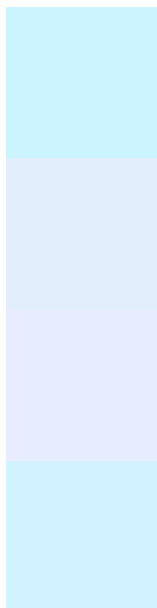
84.3283, 0.3091, 0.3055



## Tritanopia

84.5777, 0.2883, 0.3145

# Trichromacy



## Original Color

84.7587, 0.2820, 0.3174

## Protanomaly

84.1849, 0.2960, 0.3146

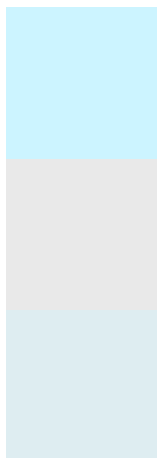
## Deuteranomaly

84.3667, 0.2987, 0.3098

## Tritanomaly

84.5731, 0.2859, 0.3154

# Monochromacy



## Original Color

84.7587, 0.2820, 0.3174

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

82.4488, 0.3005, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7587, 0.2820, 0.3174 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7587, 0.2820, 0.3174 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, 244, 255) }
```

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

```
.border{ border-color:rgb(204, 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(204, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7587, 0.2820, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 244, 255) }
```

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

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

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