

# Converting Colors

Yxy(84.0514, 0.2819, 0.3161)

Have a look what the booklet for  
Yxy(84.0514, 0.2819, 0.3161)  
contains.

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# Color

**Yxy(84.1586, 0.2819, 0.3163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF3FF
RGB	204, 243, 255
RGB Percent	80%, 95%, 100%
CMY	0.2000, 0.0471, 0.0000
CMYK	0.20, 0.05, 0.00, 0.00
HSL	194°, 100%, 90%
HSV	194°, 20%, 100%
XYZ	75.0057, 84.1586, 106.9078
YIQ	232.7070, -27.0960, -4.5360

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 226, 255
Decimal	13431807
CIE Lab	93.52, -10.02, -9.96
CIE LCh	94, 14.123, 224.829
Yxy	84.1586, 0.2819, 0.3163
Android (android.graphics.Color)	4291621887 (0xFFCCCF3FF)
YUV	232.7070, 10.9904, -25.1760
Hunter-Lab	91.7380, -14.5985, -4.8776

# Details

The Yxy color **84.1586, 0.2819, 0.3163** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7373, 0.3503, 0.3413**, and the grayscale version is **81.1878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0074, 0.2754, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **77.3147, 0.2671, 0.3091**, and if you desaturate by 10%, it is **91.7151, 0.2972, 0.3230**.

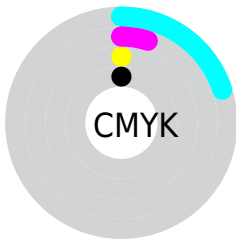
# Distribution



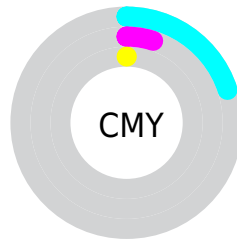
- Red (80%)
- Green (95%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1586, 0.2819, 0.3163 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 84.1586, 0.2819, 0.3163 by changing the saturation by 10% instead.



84.1586, 0.2819,  
0.3163

84.1586, 0.2819,  
0.3163

508.8398, 0.2957,  
0.3222

63.1464, 0.2789,  
0.3150

139.1970, 0.2866,  
0.3183

45.9596, 0.2752,  
0.3133

173.9920, 0.2884,  
0.3191

32.2140, 0.2706,  
0.3112

214.1500, 0.2900,  
0.3198

21.5250, 0.2648,  
0.3085

260.0555, 0.2914,  
0.3204

13.5083, 0.2571,  
0.3048

312.0928, 0.2927,  
0.3209

7.7795, 0.2465,  
0.2995

370.6464, 0.2938,

3.9542, 0.2309,

0.3214

0.2914

436.1006, 0.2948,  
0.3218

1.6480, 0.2062,  
0.2775

0.3896, 0.0765,  
0.2369

84.1586, 0.2819,  
0.3163

84.1586, 0.2819,  
0.3163

77.3147, 0.2671,  
0.3091

91.7151, 0.2972,  
0.3230

71.1456, 0.2531,  
0.3013

100.0000, 0.3127,  
0.3290

65.6218, 0.2403,  
0.2931

60.7082, 0.2291,  
0.2846

■ 56.3654, 0.2195,  
0.2758

■ 52.5489, 0.2120,  
0.2670

■ 49.2054, 0.2065,  
0.2582

■ 46.2490, 0.2026,  
0.2495

■ 46.2476, 0.2026,  
0.2495

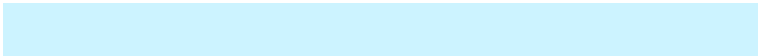
# Harmonies

## Analogous

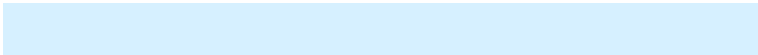
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1586, 0.2879, 0.3308



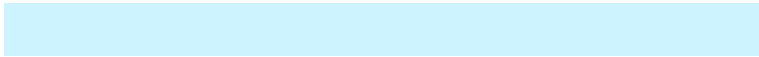
84.1586, 0.2819, 0.3163



84.1586, 0.2839, 0.3058

# Triad

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



84.1586, 0.2819, 0.3163



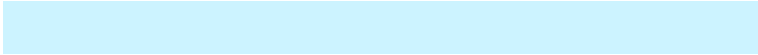
84.1586, 0.3246, 0.3136



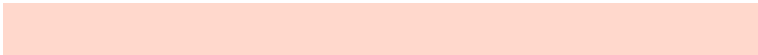
84.1586, 0.3319, 0.3574

# Complementary

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



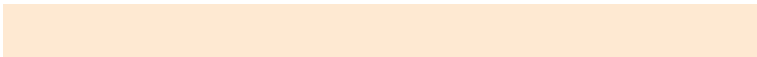
84.1586, 0.2819, 0.3163



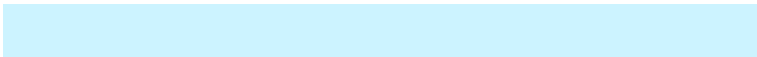
74.7373, 0.3503, 0.3413

# 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.



84.1586, 0.3423, 0.3518



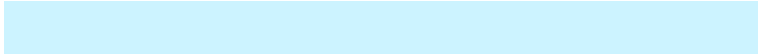
84.1586, 0.2819, 0.3163



84.1586, 0.3380, 0.3265

# Square

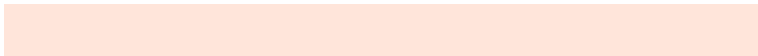
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1586, 0.2819, 0.3163



84.1586, 0.3082, 0.3046



84.1586, 0.3446, 0.3404

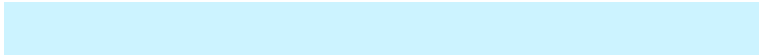


84.1586, 0.3166, 0.3551

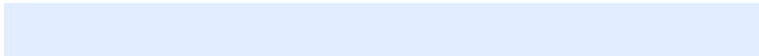


# Rectangle

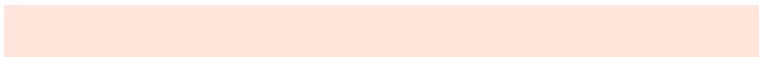
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1586, 0.2819, 0.3163



84.1586, 0.2895, 0.3022



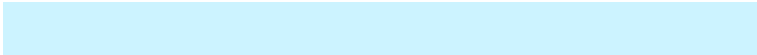
84.1586, 0.3446, 0.3404



84.1586, 0.3361, 0.3563

# Sweetspot

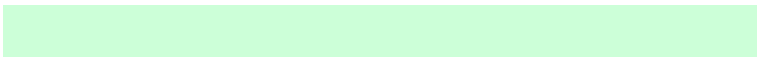
The Sweet Spot groups the original color and five complimentary colors.



84.1613, 0.2819, 0.3163



94.9371, 0.3034, 0.3254



89.3122, 0.3035, 0.3711



20.2060, 0.3024, 0.3251



0.0000, 0.0000, 0.0000

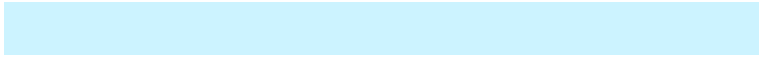


21.4041, 0.3127, 0.3290

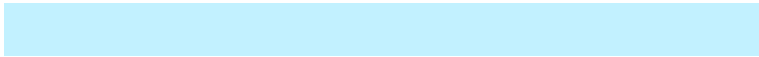


# Same Dimension

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



84.1613, 0.2819, 0.3163



81.3361, 0.2759, 0.3135



69.9992, 0.2801, 0.2887



19.7142, 0.2980, 0.3233



24.4062, 0.2030, 0.2509



2.5430, 0.2058, 0.2609



# Inverse Universe

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



70.9226, 0.3235, 0.2904



66.0815, 0.3261, 0.2824



88.7698, 0.3454, 0.3663



18.2230, 0.3174, 0.3110



13.1918, 0.3913, 0.1929

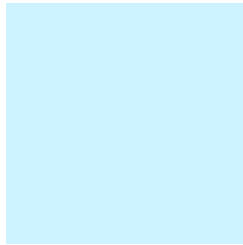


1.3013, 0.3815, 0.1876



# Previews

## White Background



This preview shows how the Yxy color 84.1586, 0.2819, 0.3163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

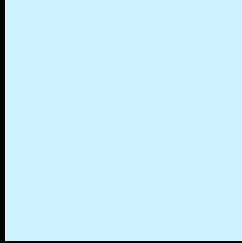
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1586, 0.2819, 0.3163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

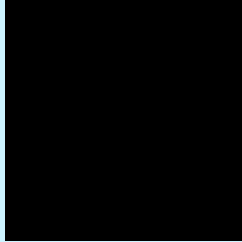
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.1586, 0.2819, 0.3163**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1586, 0.2819, 0.3163.



This preview shows how white text looks on a background with the Yxy color 84.1586, 0.2819, 0.3163.

# 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

84.1586, 0.2819, 0.3163

### Protanopia

83.5806, 0.3042, 0.3129

### Deuteranopia

83.5878, 0.3085, 0.3044



## Tritanopia

83.8363, 0.2876, 0.3134

# Trichromacy



**Original Color**

84.1586, 0.2819, 0.3163

**Protanomaly**

83.4439, 0.2954, 0.3136

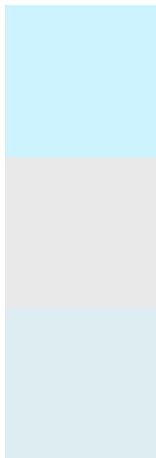
**Deuteranomaly**

83.6256, 0.2980, 0.3088

**Tritanomaly**

83.8322, 0.2853, 0.3143

# Monochromacy



**Original Color**

84.1586, 0.2819, 0.3163

**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 84.1586, 0.2819, 0.3163 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 243, 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, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1586, 0.2819, 0.3163 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, 243, 255) }
```

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

```
.border{ border-color:rgb(204, 243, 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, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1586, 0.2819, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 243, 255) }
```

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

```
.background{ background-color: rgb(204,  
243, 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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