

# Converting Colors

Yxy(83.4618, 0.2869, 0.3140)

Have a look what the booklet for  
Yxy(83.4618, 0.2869, 0.3140)  
contains.

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# Color

**Yxy(83.4730, 0.2870, 0.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F0FE
RGB	212, 240, 254
RGB Percent	83%, 94%, 100%
CMY	0.1686, 0.0588, 0.0041
CMYK	0.17, 0.05, 0.00, 0.00
HSL	200°, 95%, 91%
HSV	200°, 17%, 100%
XYZ	76.1983, 83.4730, 105.8280
YIQ	233.2240, -21.1820, -1.5820

# Conversions

## Conversions Part 2

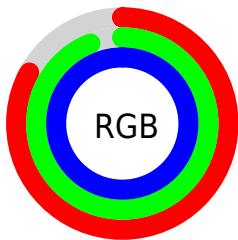
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 229, 254
Decimal	13955326
CIE Lab	93.22, -6.30, -9.80
CIE LCh	93, 11.647, 237.284
Yxy	83.4730, 0.2870, 0.3144
Android (android.graphics.Color)	4292145406 (0xFFD4F0FE)
YUV	233.2240, 10.2426, -18.6134
Hunter-Lab	91.3636, -11.0151, -4.7222

# Details

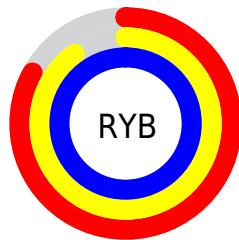
The Yxy color **83.4730, 0.2870, 0.3144** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1940, 0.3420, 0.3432**, and the grayscale version is **81.5986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4803, 0.2816, 0.3114** is the 20% darker color. If you saturate the color by 10%, you get **75.1344, 0.2715, 0.3044**, and if you desaturate by 10%, it is **92.6437, 0.3026, 0.3235**.

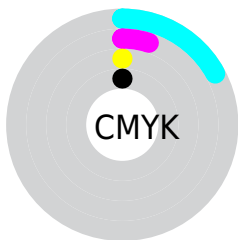
# Distribution



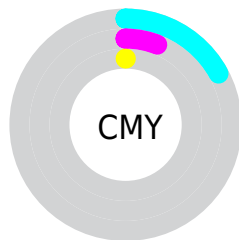
- Red (83%)
- Green (94%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4730, 0.2870, 0.3144 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 83.4730, 0.2870, 0.3144 by changing the saturation by 10% instead.



83.4730, 0.2870,  
0.3144

83.4730, 0.2870,  
0.3144

506.5616, 0.2985,  
0.3211

62.5804, 0.2845,  
0.3129

138.2377, 0.2909,  
0.3167

45.5019, 0.2814,  
0.3110

172.8787, 0.2925,  
0.3176

31.8529, 0.2775,  
0.3087

212.8712, 0.2938,  
0.3184

21.2492, 0.2725,  
0.3057

258.5998, 0.2950,  
0.3191

13.3063, 0.2660,  
0.3016

310.4487, 0.2960,  
0.3197

7.6398, 0.2569,  
0.2959

368.8023, 0.2969,

3.8653, 0.2436,

0.3202

0.2872

434.0452, 0.2978,  
0.3207

■ 1.5985, 0.2220,  
0.2724

■ 0.3566, 0.1144,  
0.2202

■ 83.4730, 0.2870,  
0.3144

■ 83.4730, 0.2870,  
0.3144

■ 75.1344, 0.2715,  
0.3044

■ 92.6437, 0.3026,  
0.3235

■ 67.5869, 0.2564,  
0.2935

99.9333, 0.3133,  
0.3300

■ 60.8007, 0.2421,  
0.2818

■ 54.7401, 0.2289,  
0.2696

■ 49.3655, 0.2173,  
0.2568

■ 44.6327, 0.2076,  
0.2439

■ 40.4900, 0.2000,  
0.2311

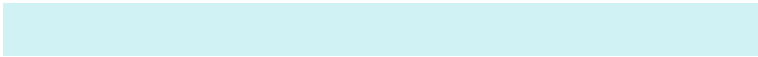
■ 36.8737, 0.1944,  
0.2184

■ 35.7053, 0.1928,  
0.2141

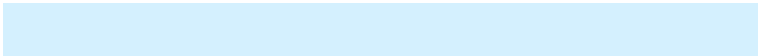
# Harmonies

## Analogous

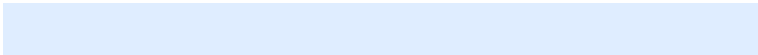
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4730, 0.2893, 0.3254



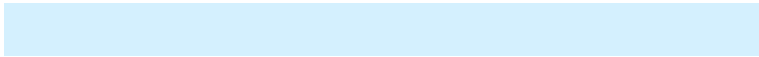
83.4730, 0.2870, 0.3144



83.4730, 0.2914, 0.3076

# Triad

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



83.4730, 0.2870, 0.3144



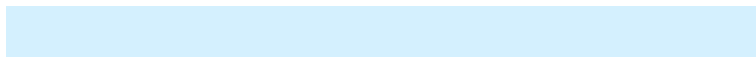
83.4730, 0.3277, 0.3204



83.4730, 0.3237, 0.3524

# Complementary

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



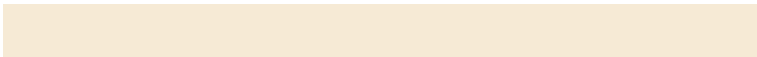
83.4730, 0.2870, 0.3144



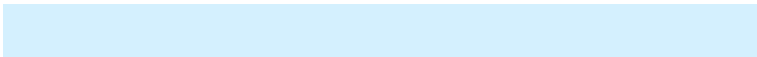
80.1940, 0.3420, 0.3432

# Split Complementary

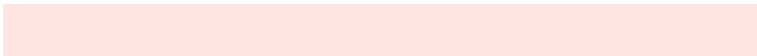
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4730, 0.3343, 0.3505



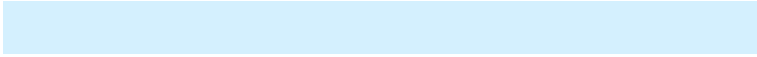
83.4730, 0.2870, 0.3144



83.4730, 0.3367, 0.3319

# Square

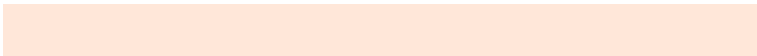
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



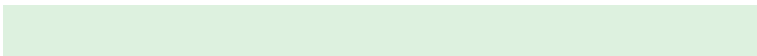
83.4730, 0.2870, 0.3144



83.4730, 0.3147, 0.3113



83.4730, 0.3391, 0.3429

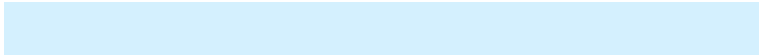


83.4730, 0.3103, 0.3478



# Rectangle

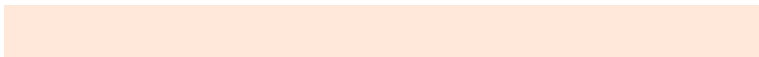
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4730, 0.2870, 0.3144



83.4730, 0.2976, 0.3063



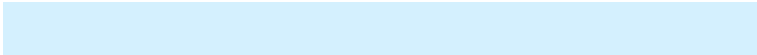
83.4730, 0.3391, 0.3429



83.4730, 0.3277, 0.3525

# Sweetspot

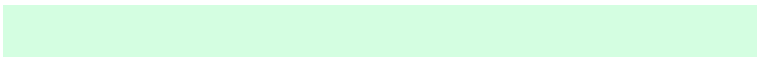
The Sweet Spot groups the original color and five complimentary colors.



83.4764, 0.2870, 0.3144



94.9849, 0.3050, 0.3248



90.3109, 0.3032, 0.3592



20.1836, 0.3039, 0.3242



0.0000, 0.0000, 0.0000

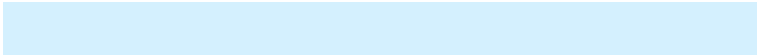


21.4041, 0.3127, 0.3290

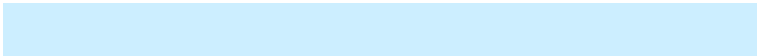


# Same Dimension

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



83.4764, 0.2870, 0.3144



81.2257, 0.2816, 0.3110



72.1841, 0.2860, 0.2926



19.4034, 0.2980, 0.3209



19.1131, 0.1934, 0.2161



2.0619, 0.1974, 0.2305



# Inverse Universe

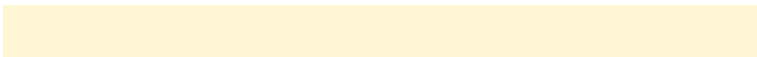
The Inverse Universe completely reimagines the original color for something new.



74.4495, 0.3242, 0.3012



70.6207, 0.3271, 0.2951



91.8944, 0.3388, 0.3629



18.1916, 0.3189, 0.3133



12.6574, 0.4274, 0.2128

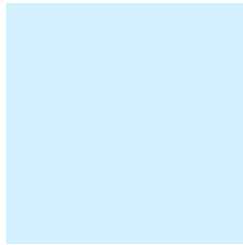


1.2527, 0.4121, 0.2044



# Previews

## White Background



This preview shows how the Yxy color 83.4730, 0.2870, 0.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

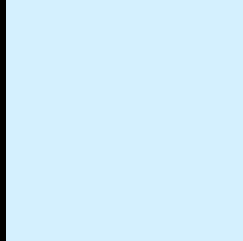
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.4730, 0.2870, 0.3144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

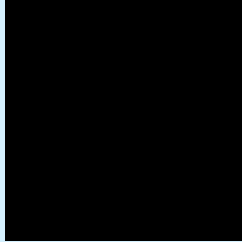
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

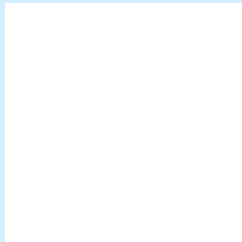
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.4730, 0.2870, 0.3144**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4730, 0.2870, 0.3144.



This preview shows how white text looks on a background with the Yxy color 83.4730, 0.2870, 0.3144.

# 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

83.4730, 0.2870, 0.3144

### Protanopia

83.4099, 0.3036, 0.3128

### Deuteranopia

83.0328, 0.3085, 0.3034



## Tritanopia

83.5519, 0.2888, 0.3124

# Trichromacy



**Original Color**

83.4730, 0.2870, 0.3144

**Protanomaly**

83.2868, 0.2978, 0.3136

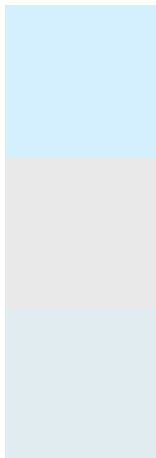
**Deuteranomaly**

82.9903, 0.2999, 0.3068

**Tritanomaly**

83.4001, 0.2882, 0.3124

# Monochromacy



**Original Color**

83.4730, 0.2870, 0.3144

**Achromatopsia**

81.4847, 0.3127, 0.3290

**Achromatomaly**

82.3493, 0.3025, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4730, 0.2870, 0.3144 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(212, 240, 254)` looks like.

```
.text, #text, p{  
    color:rgb(212, 240, 254)  
}
```

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(212, 240, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 240, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4730, 0.2870, 0.3144 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(212, 240, 254) }
```

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

```
.border{ border-color:rgb(212, 240, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 240, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 240, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 240, 254);  
box-shadow:4px 4px 4px 4px rgb(212, 240,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4730, 0.2870, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 240, 254) }
```

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

```
.background{ background-color: rgb(212,  
240, 254) }
```

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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