

# Converting Colors

Yxy(83.3351, 0.2852, 0.3135)

Have a look what the booklet for  
Yxy(83.3351, 0.2852, 0.3135)  
contains.

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# Color

**Yxy(83.2418, 0.2852, 0.3133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F0FF
RGB	210, 240, 255
RGB Percent	82%, 94%, 100%
CMY	0.1767, 0.0587, 0.0000
CMYK	0.18, 0.06, 0.00, 0.00
HSL	200°, 100%, 91%
HSV	200°, 18%, 100%
XYZ	75.7758, 83.2418, 106.6760
YIQ	232.7400, -22.6950, -1.6950

# Conversions

## Conversions Part 2

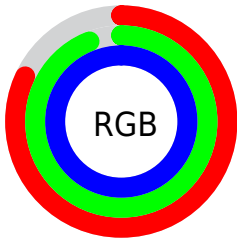
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 228, 255
Decimal	13824255
CIE Lab	93.12, -6.72, -10.50
CIE LCh	93, 12.467, 237.383
Yxy	83.2418, 0.2852, 0.3133
Android (android.graphics.Color)	4292014335 (0xFFD2F0FF)
YUV	232.7400, 10.9742, -19.9430
Hunter-Lab	91.2369, -11.4135, -5.4571

# Details

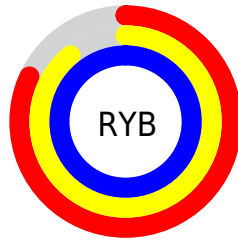
The Yxy color **83.2418, 0.2852, 0.3133** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.7181, 0.3444, 0.3442**, and the grayscale version is **81.2039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3268, 0.2794, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **74.9214, 0.2697, 0.3032**, and if you desaturate by 10%, it is **92.3985, 0.3008, 0.3225**.

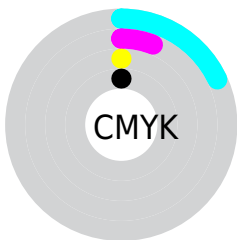
# Distribution



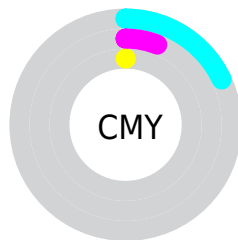
- Red (82%)
- Green (94%)
- Blue (100%)



- Red (82%)
- Yellow (89%)
- Blue (100%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2418, 0.2852, 0.3133 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 83.2418, 0.2852, 0.3133 by changing the saturation by 10% instead.



83.2418, 0.2852,  
0.3133

83.2418, 0.2852,  
0.3133

505.7920, 0.2975,  
0.3205

62.3896, 0.2825,  
0.3117

137.9141, 0.2894,  
0.3158

45.3476, 0.2792,  
0.3097

172.5030, 0.2911,  
0.3168

31.7313, 0.2750,  
0.3072

212.4396, 0.2925,  
0.3176

21.1564, 0.2698,  
0.3039

258.1083, 0.2937,  
0.3183

13.2383, 0.2628,  
0.2995

309.8935, 0.2949,  
0.3190

7.5929, 0.2531,  
0.2933

368.1796, 0.2958,

3.8356, 0.2389,

0.3195

0.2839

433.3510, 0.2967,  
0.3200

■ 1.5820, 0.2160,  
0.2680

■ 0.3454, 0.1009,  
0.2122

■ 83.2418, 0.2852,  
0.3133

■ 83.2418, 0.2852,  
0.3133

■ 74.9214, 0.2697,  
0.3032

■ 92.3985, 0.3008,  
0.3225

■ 67.3957, 0.2547,  
0.2922

99.9997, 0.3127,  
0.3290

■ 60.6345, 0.2405,  
0.2805

■ 54.6011, 0.2275,  
0.2681

■ 49.2551, 0.2161,  
0.2554

■ 44.5512, 0.2066,  
0.2425

■ 40.4362, 0.1993,  
0.2296

■ 36.8408, 0.1939,  
0.2170

■ 36.0539, 0.1928,  
0.2141

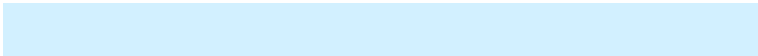
# Harmonies

## Analogous

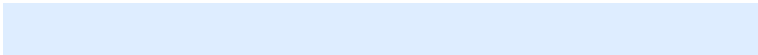
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2418, 0.2877, 0.3251



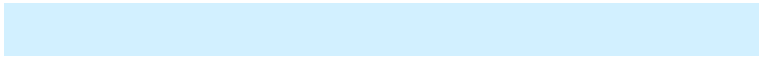
83.2418, 0.2852, 0.3133



83.2418, 0.2899, 0.3061

# Triad

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



83.2418, 0.2852, 0.3133



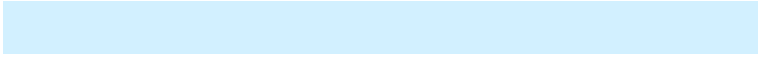
83.2418, 0.3288, 0.3198



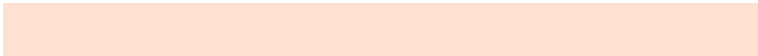
83.2418, 0.3244, 0.3541

# Complementary

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



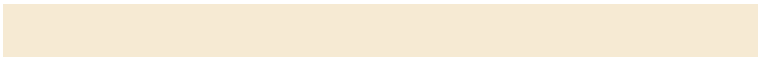
83.2418, 0.2852, 0.3133



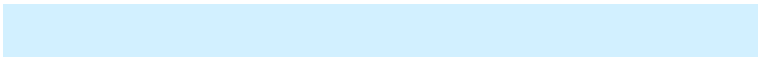
79.7181, 0.3444, 0.3442

# Split Complementary

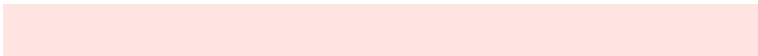
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2418, 0.3358, 0.3520



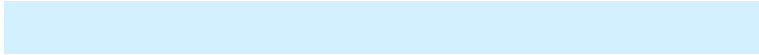
83.2418, 0.2852, 0.3133



83.2418, 0.3384, 0.3321

# Square

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



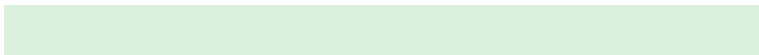
83.2418, 0.2852, 0.3133



83.2418, 0.3149, 0.3100



83.2418, 0.3410, 0.3438

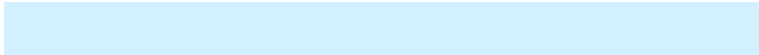


83.2418, 0.3101, 0.3491



# Rectangle

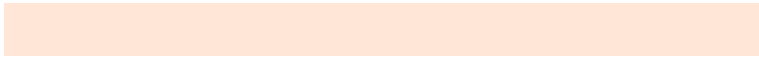
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2418, 0.2852, 0.3133



83.2418, 0.2965, 0.3047



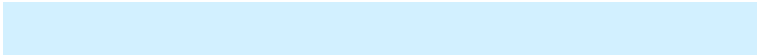
83.2418, 0.3410, 0.3438



83.2418, 0.3287, 0.3542

# Sweetspot

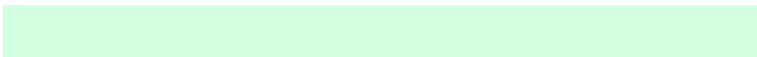
The Sweet Spot groups the original color and five complimentary colors.



83.2452, 0.2852, 0.3133



94.9869, 0.3050, 0.3248



90.6042, 0.3025, 0.3616



20.1840, 0.3039, 0.3242



0.0000, 0.0000, 0.0000

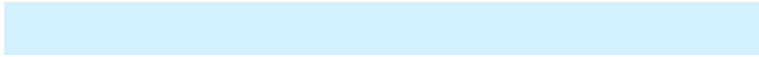


21.4041, 0.3127, 0.3290

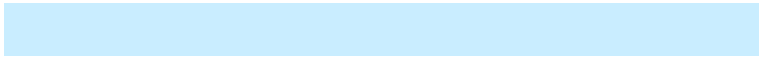


# Same Dimension

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



83.2452, 0.2852, 0.3133



80.3831, 0.2800, 0.3100



71.1630, 0.2840, 0.2898



19.4042, 0.2980, 0.3209



19.1254, 0.1934, 0.2162



2.0631, 0.1974, 0.2306



# Inverse Universe

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



73.6184, 0.3251, 0.2992



69.3694, 0.3279, 0.2933



92.2701, 0.3407, 0.3654



18.1917, 0.3189, 0.3133



12.6587, 0.4273, 0.2128

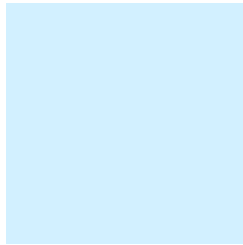


1.2528, 0.4120, 0.2043



# Previews

## White Background



This preview shows how the Yxy color 83.2418, 0.2852, 0.3133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

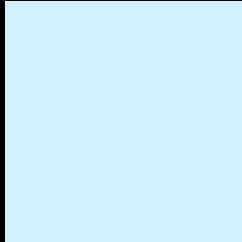
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2418, 0.2852, 0.3133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

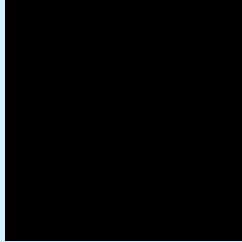
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

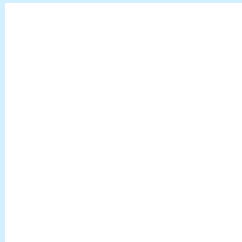
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.2418, 0.2852, 0.3133**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2418, 0.2852, 0.3133.



This preview shows how white text looks on a background with the Yxy color 83.2418, 0.2852, 0.3133.

# 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

83.2418, 0.2852, 0.3133

### Protanopia

82.7353, 0.3023, 0.3108

### Deuteranopia

82.8515, 0.3079, 0.3034



## Tritanopia

83.4001, 0.2882, 0.3124

# Trichromacy



**Original Color**

83.2418, 0.2852, 0.3133

**Protanomaly**

83.0267, 0.2960, 0.3126

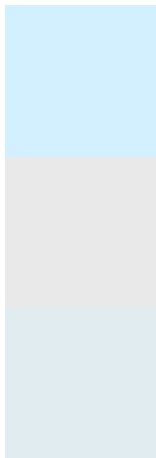
**Deuteranomaly**

82.8215, 0.2993, 0.3068

**Tritanomaly**

83.0991, 0.2870, 0.3123

# Monochromacy



**Original Color**

83.2418, 0.2852, 0.3133

**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 83.2418, 0.2852, 0.3133 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(210, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 240, 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(210, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2418, 0.2852, 0.3133 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(210, 240, 255) }
```

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

```
.border{ border-color:rgb(210, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(210, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2418, 0.2852, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 240, 255) }
```

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

```
.background{ background-color: rgb(210,  
240, 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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