

# Converting Colors

Yxy(85.4064, 0.2573, 0.2856)

Have a look what the booklet for  
Yxy(85.4064, 0.2573, 0.2856)  
contains.

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# Color

**Yxy(83.0896, 0.2726, 0.3181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF5FF
RGB	187, 245, 255
RGB Percent	73%, 96%, 100%
CMY	0.2665, 0.0392, 0.0000
CMYK	0.27, 0.04, 0.00, 0.00
HSL	189°, 100%, 87%
HSV	189°, 27%, 100%
XYZ	71.2047, 83.0896, 106.9116
YIQ	228.7980, -37.7780, -9.1860

# Conversions

## Conversions Part 2

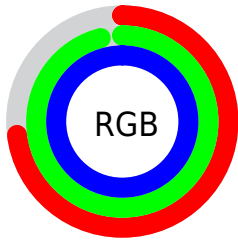
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 218, 255
Decimal	12318207
CIELab	93.05, -15.95, -10.76
CIELCh	93, 19.241, 214.009
Yxy	83.0896, 0.2726, 0.3181
Android (android.graphics.Color)	4290508287 (0xFFBBF5FF)
YUV	228.7980, 12.9176, -36.6568
Hunter-Lab	91.1535, -20.0830, -5.7323

# Details

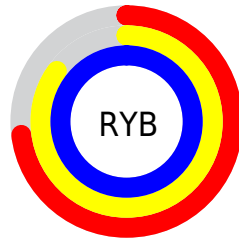
The Yxy color **83.0896, 0.2726, 0.3181** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8003, 0.3678, 0.3396**, and the grayscale version is **78.1281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **45.3779, 0.2642, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **77.9067, 0.2590, 0.3135**, and if you desaturate by 10%, it is **88.8932, 0.2872, 0.3225**.

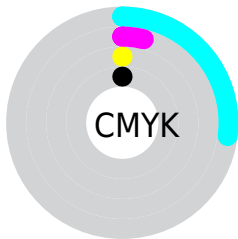
# Distribution



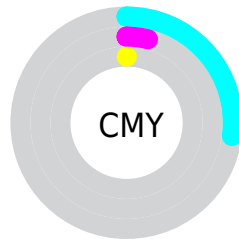
- Red (73%)
- Green (96%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0896, 0.2726, 0.3181 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 83.0896, 0.2726, 0.3181 by changing the saturation by 10% instead.



 83.0896, 0.2726,  
0.3181

 83.0896, 0.2726,  
0.3181


505.2851, 0.2905,  
0.3233

 62.2641, 0.2687,  
0.3169


 137.7009, 0.2787,  
0.3199

 45.2461, 0.2639,  
0.3154


172.2556, 0.2811,  
0.3206

 31.6513, 0.2580,  
0.3134


212.1553, 0.2832,  
0.3212

 21.0953, 0.2504,  
0.3108

257.7846, 0.2850,  
0.3218

 13.1937, 0.2405,  
0.3073

309.5278, 0.2866,  
0.3222

 7.5621, 0.2269,  
0.3020

367.7694, 0.2880,

 3.8160, 0.2071,

0.3226

0.2938

432.8937, 0.2893,  
0.3230

1.5712, 0.1762,  
0.2790

0.3381, 0.0000,  
0.2304

83.0896, 0.2726,  
0.3181

83.0896, 0.2726,  
0.3181

77.9067, 0.2590,  
0.3135

88.8932, 0.2872,  
0.3225

73.3087, 0.2468,  
0.3085

95.3404, 0.3024,  
0.3265

69.2640, 0.2361,  
0.3034

100.0000, 0.3127,  
0.3290

65.7359, 0.2272,  
0.2981

■ 62.6826, 0.2202,  
0.2928

■ 60.0551, 0.2153,  
0.2876

■ 57.7920, 0.2121,  
0.2824

■ 57.0848, 0.2113,  
0.2806

# Harmonies

## Analogous

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



83.0896, 0.2842, 0.3389



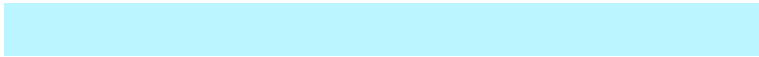
83.0896, 0.2726, 0.3181



83.0896, 0.2713, 0.3014

# Triad

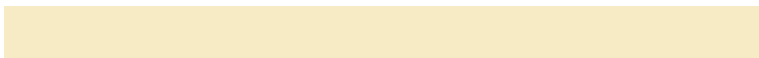
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0896, 0.2726, 0.3181



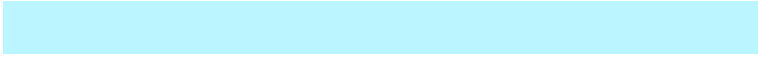
83.0896, 0.3209, 0.3029



83.0896, 0.3451, 0.3662

# Complementary

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



83.0896, 0.2726, 0.3181



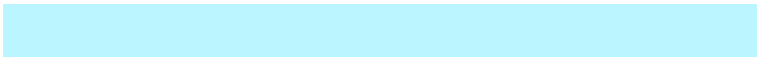
64.8003, 0.3678, 0.3396

# 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.



83.0896, 0.3558, 0.3549



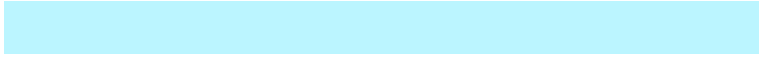
83.0896, 0.2726, 0.3181



83.0896, 0.3416, 0.3187

# Square

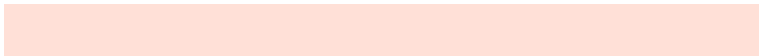
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0896, 0.2726, 0.3181



83.0896, 0.2985, 0.2935



83.0896, 0.3546, 0.3375



83.0896, 0.3258, 0.3675

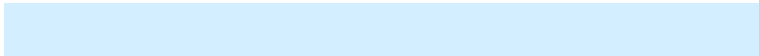


# Rectangle

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



83.0896, 0.2726, 0.3181



83.0896, 0.2764, 0.2946



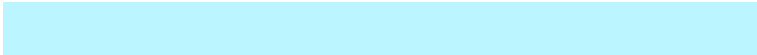
83.0896, 0.3546, 0.3375



83.0896, 0.3498, 0.3634

# Sweetspot

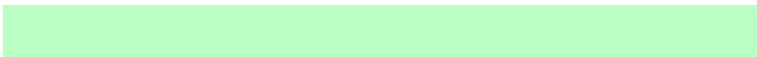
The Sweet Spot groups the original color and five complimentary colors.



83.0914, 0.2726, 0.3181



94.4331, 0.3003, 0.3260



86.0793, 0.3042, 0.3954



19.9988, 0.2980, 0.3254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

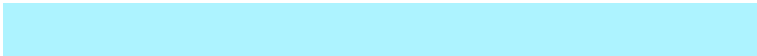


# Same Dimension

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



83.0914, 0.2726, 0.3181



80.2440, 0.2652, 0.3157



64.8543, 0.2690, 0.2810



19.9988, 0.2980, 0.3254



30.0016, 0.2115, 0.2815



3.0398, 0.2132, 0.2874



# Inverse Universe

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



63.4082, 0.3233, 0.2715



57.7711, 0.3258, 0.2598



81.4875, 0.3592, 0.3727



18.2517, 0.3161, 0.3090



13.7566, 0.3621, 0.1768

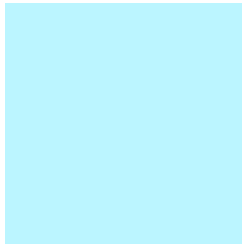


1.3514, 0.3567, 0.1738



# Previews

## White Background



This preview shows how the Yxy color 83.0896, 0.2726, 0.3181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

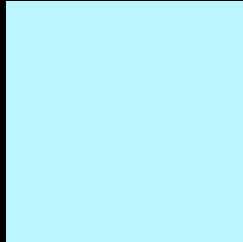
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0896, 0.2726, 0.3181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

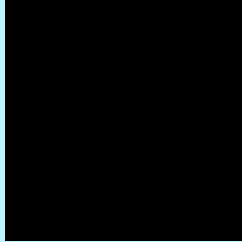
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.0896, 0.2726, 0.3181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0896, 0.2726, 0.3181.

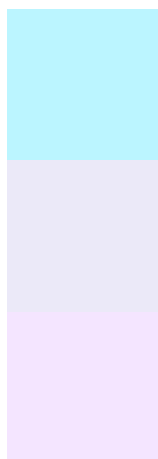


This preview shows how white text looks on a background with the Yxy color 83.0896, 0.2726, 0.3181.

# 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

83.0896, 0.2726, 0.3181

### Protanopia

82.7173, 0.3048, 0.3138

### Deuteranopia

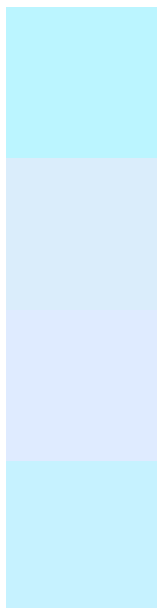
82.4917, 0.3065, 0.3033



## Tritanopia

82.9680, 0.2818, 0.3142

# Trichromacy



## Original Color

83.0896, 0.2726, 0.3181

## Protanomaly

82.4388, 0.2922, 0.3144

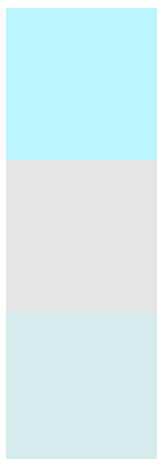
## Deuteranomaly

82.3246, 0.2930, 0.3085

## Tritanomaly

82.7300, 0.2784, 0.3151

# Monochromacy



## Original Color

83.0896, 0.2726, 0.3181

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

79.8858, 0.2972, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0896, 0.2726, 0.3181 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(187, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 245, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0896, 0.2726, 0.3181 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(187, 245, 255) }
```

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

```
.border{ border-color:rgb(187, 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(187, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 245,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0896, 0.2726, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 245, 255) }
```

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

```
.background{ background-color: rgb(187,  
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](#).

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