

# Converting Colors

$Yxy(83.9246, 0.2736, 0.3193)$

Have a look what the booklet for  
Yxy(83.9246, 0.2736, 0.3193)  
contains.

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# Color

**Yxy(83.9504, 0.2738, 0.3193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDF6FF
RGB	189, 246, 255
RGB Percent	74%, 96%, 100%
CMY	0.2588, 0.0353, 0.0002
CMYK	0.26, 0.04, 0.00, 0.00
HSL	188°, 100%, 87%
HSV	188°, 26%, 100%
XYZ	71.9875, 83.9504, 106.9822
YIQ	229.9830, -36.8610, -9.2850

# Conversions

## Conversions Part 2

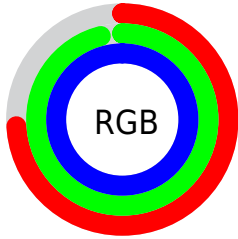
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 220, 255
Decimal	12449535
CIE <sub>Lab</sub>	93.43, -15.91, -10.16
CIE <sub>LCh</sub>	93, 18.876, 212.560
Y <sub>xy</sub>	83.9504, 0.2738, 0.3193
Android (android.graphics.Color)	4290639615 (0xFFBDF6FF)
YUV	229.9830, 12.3334, -35.9421
Hunter-Lab	91.6245, -20.0988, -5.0909

# Details

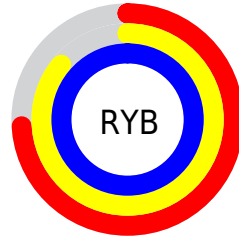
The Yxy color **83.9504, 0.2738, 0.3193** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2964, 0.3659, 0.3385**, and the grayscale version is **79.0464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **45.9725, 0.2657, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **78.8889, 0.2602, 0.3150**, and if you desaturate by 10%, it is **89.6310, 0.2884, 0.3233**.

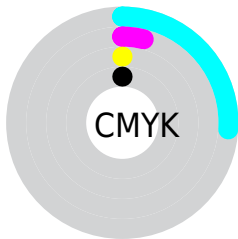
# Distribution



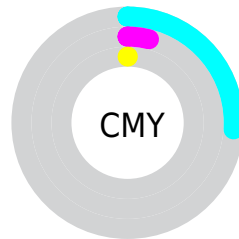
- Red (74%)
- Green (96%)
- Blue (100%)



- Red (74%)
- Yellow (86%)
- Blue (100%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9504, 0.2738, 0.3193 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 83.9504, 0.2738, 0.3193 by changing the saturation by 10% instead.




 83.9504, 0.2738,  
0.3193

 83.9504, 0.2738,  
0.3193


508.1485, 0.2911,  
0.3240

 62.9745, 0.2700,  
0.3182

 138.9058, 0.2797,  
0.3209

 45.8206, 0.2654,  
0.3168


173.6541, 0.2820,  
0.3216

 32.1043, 0.2597,  
0.3151


213.7619, 0.2840,  
0.3221

 21.4411, 0.2524,  
0.3128

259.6137, 0.2858,  
0.3226

 13.4468, 0.2428,  
0.3096

311.5939, 0.2874,  
0.3230

 7.7370, 0.2296,  
0.3049

370.0868, 0.2888,

 3.9271, 0.2106,

0.3233

0.2975

435.4769, 0.2900,  
0.3237

1.6329, 0.1807,  
0.2842

0.3796, 0.0000,  
0.2510

83.9504, 0.2738,  
0.3193

83.9504, 0.2738,  
0.3193

78.8889, 0.2602,  
0.3150

89.6310, 0.2884,  
0.3233

74.4062, 0.2480,  
0.3105

95.9485, 0.3036,  
0.3270

70.4726, 0.2373,  
0.3058

99.9974, 0.3127,  
0.3290

67.0517, 0.2284,  
0.3010

■ 64.1023, 0.2215,  
0.2961

■ 61.5762, 0.2165,  
0.2913

■ 59.4138, 0.2133,  
0.2865

■ 58.5902, 0.2124,  
0.2846

# Harmonies

## Analogous

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



83.9504, 0.2856, 0.3396



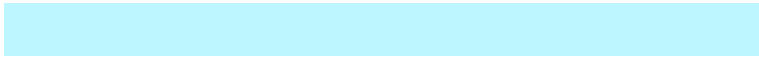
83.9504, 0.2738, 0.3193



83.9504, 0.2720, 0.3026

# Triad

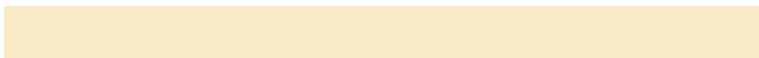
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9504, 0.2738, 0.3193



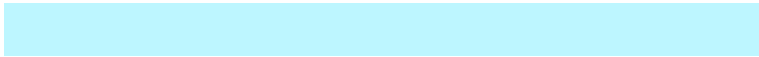
83.9504, 0.3196, 0.3029



83.9504, 0.3451, 0.3651

# Complementary

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



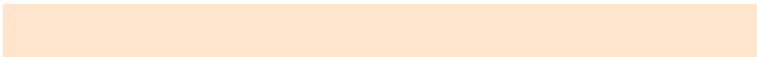
83.9504, 0.2738, 0.3193



65.2964, 0.3659, 0.3385

# 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.



83.9504, 0.3551, 0.3536



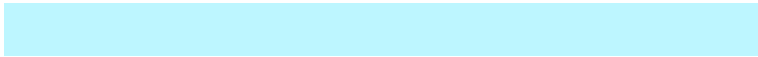
83.9504, 0.2738, 0.3193



83.9504, 0.3401, 0.3181

# Square

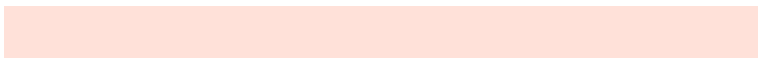
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



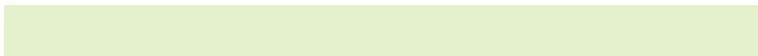
83.9504, 0.2738, 0.3193



83.9504, 0.2979, 0.2940



83.9504, 0.3533, 0.3365

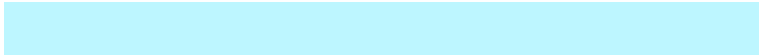


83.9504, 0.3266, 0.3668

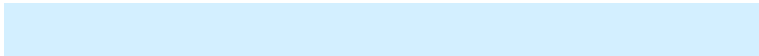


# Rectangle

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



83.9504, 0.2738, 0.3193



83.9504, 0.2767, 0.2957



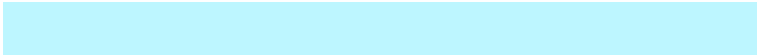
83.9504, 0.3533, 0.3365



83.9504, 0.3496, 0.3622

# Sweetspot

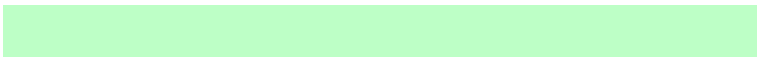
The Sweet Spot groups the original color and five complimentary colors.



83.9538, 0.2738, 0.3193



94.5803, 0.3003, 0.3262



86.3822, 0.3045, 0.3931



20.0361, 0.2980, 0.3257



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.



83.9538, 0.2738, 0.3193



81.3087, 0.2667, 0.3171



65.7215, 0.2704, 0.2826



20.0361, 0.2980, 0.3257



30.7884, 0.2126, 0.2854



3.1090, 0.2141, 0.2908



# Inverse Universe

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



64.3053, 0.3223, 0.2725



58.8392, 0.3246, 0.2612



81.9541, 0.3576, 0.3714



18.2555, 0.3159, 0.3087



13.8361, 0.3586, 0.1749

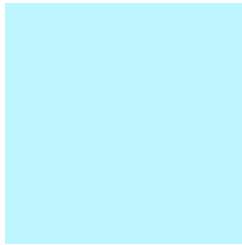


1.3584, 0.3536, 0.1722



# Previews

## White Background



This preview shows how the Yxy color 83.9504, 0.2738, 0.3193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

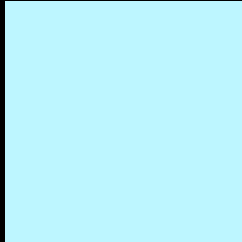
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9504, 0.2738, 0.3193 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 83.9504, 0.2738, 0.3193**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9504, 0.2738, 0.3193.

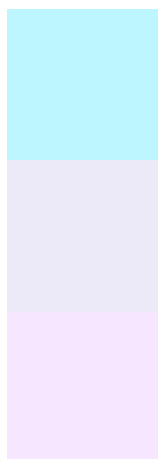


This preview shows how white text looks on a background with the Yxy color 83.9504, 0.2738, 0.3193.

# 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

83.9504, 0.2738, 0.3193

### Protanopia

83.4558, 0.3054, 0.3149

### Deuteranopia

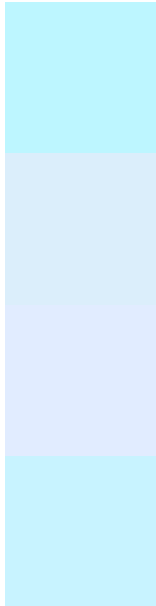
83.4065, 0.3078, 0.3044



## Tritanopia

83.9897, 0.2836, 0.3153

# Trichromacy



## Original Color

83.9504, 0.2738, 0.3193

## Protanomaly

83.1742, 0.2928, 0.3155

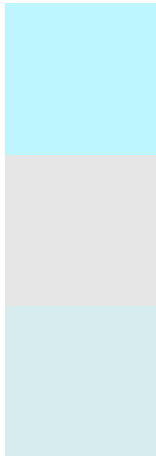
## Deuteranomaly

83.2185, 0.2942, 0.3096

## Tritanomaly

83.6005, 0.2796, 0.3162

# Monochromacy



## Original Color

83.9504, 0.2738, 0.3193

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

80.6700, 0.2972, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9504, 0.2738, 0.3193 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(189, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 246, 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(189, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9504, 0.2738, 0.3193 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(189, 246, 255) }
```

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

```
.border{ border-color:rgb(189, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 246, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 246, 255); box-shadow:4px 4px 4px 4px rgb(189, 246, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9504, 0.2738, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 246, 255) }
```

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

```
.background{ background-color: rgb(189,  
246, 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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