

# Converting Colors

$Yxy(83.2424, 0.2730, 0.3135)$

Have a look what the booklet for  
Yxy(83.2424, 0.2730, 0.3135)  
contains.

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# Color

**Yxy(82.9977, 0.2747, 0.3171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF4FF
RGB	191, 244, 255
RGB Percent	75%, 96%, 100%
CMY	0.2507, 0.0432, 0.0000
CMYK	0.25, 0.04, 0.00, 0.00
HSL	190°, 100%, 87%
HSV	190°, 25%, 100%
XYZ	71.8999, 82.9977, 106.8422
YIQ	229.4070, -35.1190, -7.8150

# Conversions

## Conversions Part 2

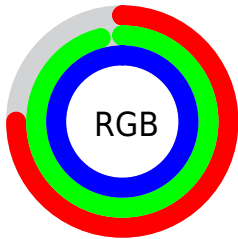
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 220, 255
Decimal	12580095
CIE Lab	93.01, -14.30, -10.79
CIE LCh	93, 17.916, 217.026
Yxy	82.9977, 0.2747, 0.3171
Android (android.graphics.Color)	4290770175 (0xFFBFF4FF)
YUV	229.4070, 12.6173, -33.6829
Hunter-Lab	91.1031, -18.5555, -5.7609

# Details

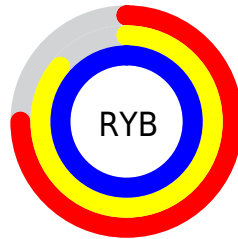
The Yxy color **82.9977, 0.2747, 0.3171** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3045, 0.3633, 0.3405**, and the grayscale version is **78.6057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **45.2779, 0.2666, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **77.3642, 0.2608, 0.3117**, and if you desaturate by 10%, it is **89.2757, 0.2895, 0.3222**.

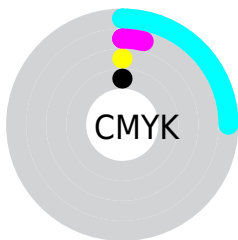
# Distribution



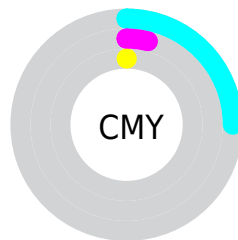
- Red (75%)
- Green (96%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



- Cyan (25%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9977, 0.2747, 0.3171 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 82.9977, 0.2747, 0.3171 by changing the saturation by 10% instead.



82.9977, 0.2747,  
0.3171

82.9977, 0.2747,  
0.3171

504.9789, 0.2917,  
0.3227

62.1883, 0.2710,  
0.3158

137.5722, 0.2805,  
0.3191

45.1848, 0.2664,  
0.3142

172.1061, 0.2827,  
0.3198

31.6030, 0.2608,  
0.3121

211.9836, 0.2847,  
0.3205

21.0585, 0.2536,  
0.3094

257.5891, 0.2864,  
0.3211

13.1668, 0.2442,  
0.3056

309.3070, 0.2880,  
0.3216

7.5435, 0.2312,  
0.3002

367.5216, 0.2893,

3.8042, 0.2123,

0.3220

0.2916

432.6174, 0.2906,  
0.3224

1.5647, 0.1826,  
0.2765

0.3336, 0.0000,  
0.2286

82.9977, 0.2747,  
0.3171

82.9977, 0.2747,  
0.3171

77.3642, 0.2608,  
0.3117

89.2757, 0.2895,  
0.3222

72.3361, 0.2480,  
0.3059

96.2175, 0.3048,  
0.3268

67.8834, 0.2367,  
0.2999

100.0000, 0.3127,  
0.3290

63.9697, 0.2272,  
0.2937

■ 60.5540, 0.2196,  
0.2874

■ 57.5885, 0.2140,  
0.2812

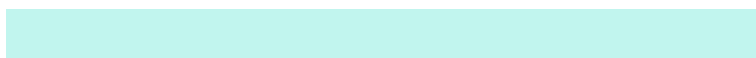
■ 55.0145, 0.2102,  
0.2749

■ 53.8485, 0.2089,  
0.2719

# Harmonies

## Analogous

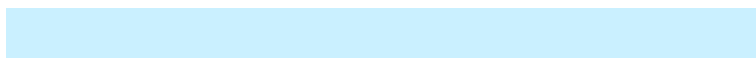
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9977, 0.2847, 0.3363



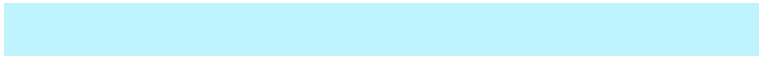
82.9977, 0.2747, 0.3171



82.9977, 0.2745, 0.3021

# Triad

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



82.9977, 0.2747, 0.3171



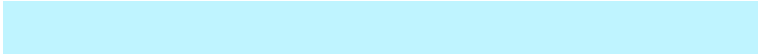
82.9977, 0.3225, 0.3059



82.9977, 0.3414, 0.3643

# Complementary

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



82.9977, 0.2747, 0.3171



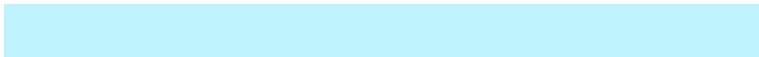
67.3045, 0.3633, 0.3405

# 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.



82.9977, 0.3523, 0.3546



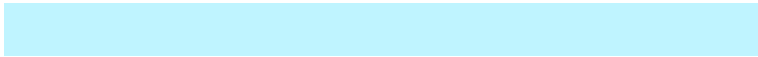
82.9977, 0.2747, 0.3171



82.9977, 0.3412, 0.3212

# Square

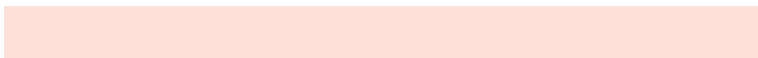
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



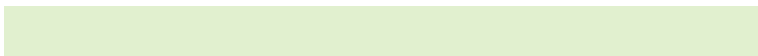
82.9977, 0.2747, 0.3171



82.9977, 0.3015, 0.2964



82.9977, 0.3523, 0.3388

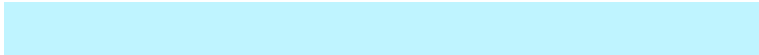


82.9977, 0.3229, 0.3643

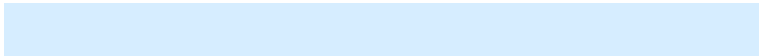


# Rectangle

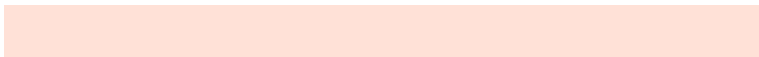
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



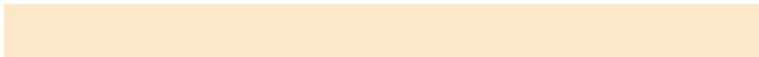
82.9977, 0.2747, 0.3171



82.9977, 0.2799, 0.2963



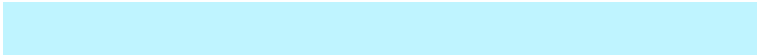
82.9977, 0.3523, 0.3388



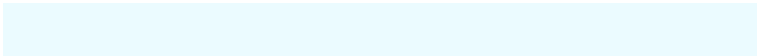
82.9977, 0.3461, 0.3620

# Sweetspot

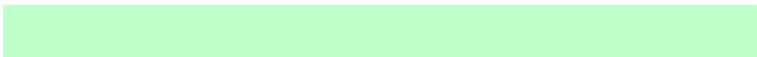
The Sweet Spot groups the original color and five complimentary colors.



83.0007, 0.2747, 0.3171



94.1128, 0.3003, 0.3255



86.8570, 0.3036, 0.3884



19.9176, 0.2980, 0.3248



0.0000, 0.0000, 0.0000

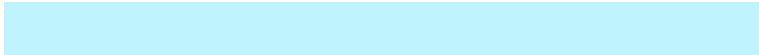


21.4041, 0.3127, 0.3290

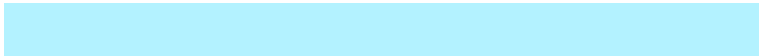


# Same Dimension

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



83.0007, 0.2747, 0.3171



80.1438, 0.2677, 0.3145



65.5834, 0.2715, 0.2818



19.9176, 0.2980, 0.3248



28.3323, 0.2092, 0.2729



2.8926, 0.2111, 0.2800



# Inverse Universe

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



65.0839, 0.3237, 0.2765



59.7004, 0.3263, 0.2659



83.6944, 0.3556, 0.3721



18.2435, 0.3165, 0.3095



13.5881, 0.3700, 0.1812

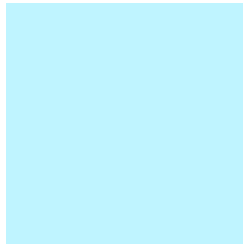


1.3366, 0.3635, 0.1776



# Previews

## White Background



This preview shows how the Yxy color 82.9977, 0.2747, 0.3171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

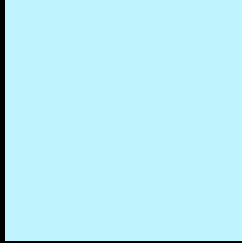
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9977, 0.2747, 0.3171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

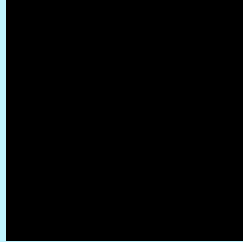
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.9977, 0.2747, 0.3171**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9977, 0.2747, 0.3171.

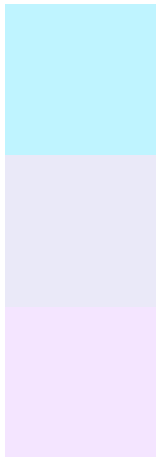


This preview shows how white text looks on a background with the Yxy color 82.9977, 0.2747, 0.3171.

# 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

82.9977, 0.2747, 0.3171

### Protanopia

82.5476, 0.3041, 0.3138

### Deuteranopia

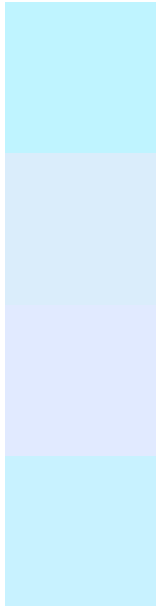
82.4917, 0.3065, 0.3033



## Tritanopia

83.1097, 0.2823, 0.3142

# Trichromacy



**Original Color**

82.9977, 0.2747, 0.3171

**Protanomaly**

82.4388, 0.2922, 0.3144

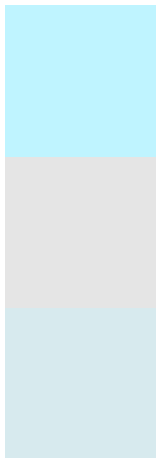
**Deuteranomaly**

82.0732, 0.2942, 0.3075

**Tritanomaly**

83.0036, 0.2795, 0.3152

# Monochromacy



**Original Color**

82.9977, 0.2747, 0.3171

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

79.4658, 0.2978, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9977, 0.2747, 0.3171 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(191, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 244, 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(191, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9977, 0.2747, 0.3171 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(191, 244, 255) }
```

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

```
.border{ border-color:rgb(191, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9977, 0.2747, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 244, 255) }
```

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

```
.background{ background-color: rgb(191,  
244, 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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