

Converting Colors

$Yxy(84.9629, 0.2600, 0.2902)$

Have a look what the booklet for
Yxy(84.9629, 0.2600, 0.2902)
contains.

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Color

Yxy(83.2162, 0.2731, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	BCF5FF
RGB	188, 245, 255
RGB Percent	74%, 96%, 100%
CMY	0.2631, 0.0391, 0.0001
CMYK	0.26, 0.04, 0.00, 0.00
HSL	189°, 100%, 87%
HSV	189°, 26%, 100%
XYZ	71.4216, 83.2162, 106.8839
YIQ	229.0970, -37.1820, -8.9740

Conversions

Conversions Part 2

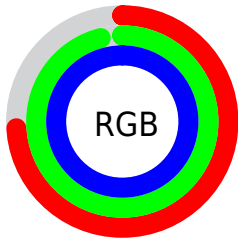
Format	Color
RYB	188, 219, 255
Decimal	12383743
CIELab	93.11, -15.73, -10.65
CIELCh	93, 18.994, 214.102
Yxy	83.2162, 0.2731, 0.3182
Android (android.graphics.Color)	4290573823 (0xFFBCF5FF)
YUV	229.0970, 12.7702, -36.0421
Hunter-Lab	91.2229, -19.8863, -5.6128

Details

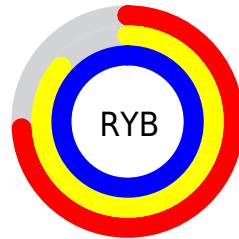
The Yxy color **83.2162, 0.2731, 0.3182** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2076, 0.3669, 0.3395**, and the grayscale version is **78.3435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **45.4590, 0.2649, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **77.9984, 0.2595, 0.3135**, and if you desaturate by 10%, it is **89.0595, 0.2877, 0.3226**.

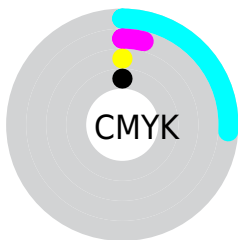
Distribution



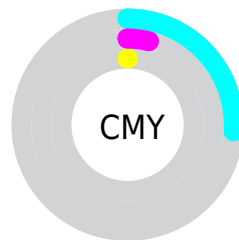
- Red (74%)
- Green (96%)
- Blue (100%)



- 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 83.2162, 0.2731, 0.3182 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 83.2162, 0.2731, 0.3182 by changing the saturation by 10% instead.


 83.2162, 0.2731,
0.3182

 83.2162, 0.2731,
0.3182


505.7068, 0.2908,
0.3234

 62.3685, 0.2692,
0.3170


 137.8782, 0.2791,
0.3200

 45.3305, 0.2645,
0.3155


172.4614, 0.2815,
0.3207

 31.7179, 0.2587,
0.3136

212.3918, 0.2835,
0.3213

 21.1461, 0.2512,
0.3110

258.0539, 0.2853,
0.3218

 13.2308, 0.2414,
0.3075

309.8320, 0.2869,
0.3223

 7.5877, 0.2280,
0.3023

368.1106, 0.2883,

 3.8323, 0.2084,

0.3227

0.2942

433.2741, 0.2896,
0.3230

1.5802, 0.1779,
0.2797

0.3442, 0.0000,
0.2338

83.2162, 0.2731,
0.3182

83.2162, 0.2731,
0.3182

77.9984, 0.2595,
0.3135

89.0595, 0.2877,
0.3226

73.3655, 0.2471,
0.3085

95.5463, 0.3029,
0.3266

69.2878, 0.2364,
0.3034

99.9984, 0.3127,
0.3290

65.7287, 0.2274,
0.2981

■ 62.6464, 0.2204,
0.2927

■ 59.9925, 0.2153,
0.2874

■ 57.7064, 0.2121,
0.2822

■ 56.9207, 0.2112,
0.2802

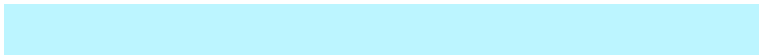
Harmonies

Analogous

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



83.2162, 0.2845, 0.3387



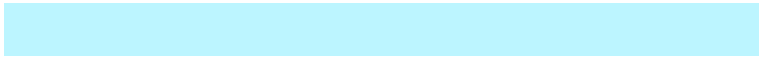
83.2162, 0.2731, 0.3182



83.2162, 0.2719, 0.3017

Triad

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



83.2162, 0.2731, 0.3182



83.2162, 0.3208, 0.3033



83.2162, 0.3446, 0.3657

Complementary

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



83.2162, 0.2731, 0.3182



65.2076, 0.3669, 0.3395

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.



83.2162, 0.3552, 0.3546



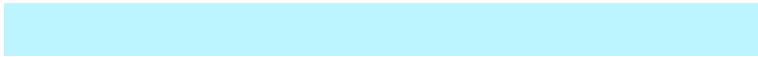
83.2162, 0.2731, 0.3182



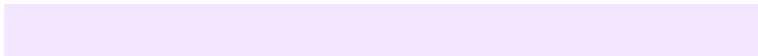
83.2162, 0.3413, 0.3189

Square

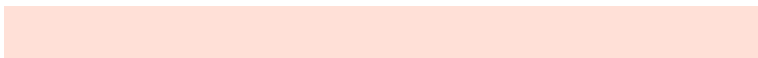
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2162, 0.2731, 0.3182



83.2162, 0.2988, 0.2940



83.2162, 0.3540, 0.3375



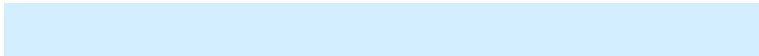
83.2162, 0.3256, 0.3669

Rectangle

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



83.2162, 0.2731, 0.3182



83.2162, 0.2769, 0.2950



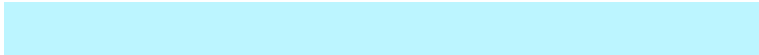
83.2162, 0.3540, 0.3375



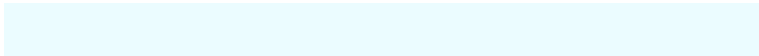
83.2162, 0.3493, 0.3630

Sweetspot

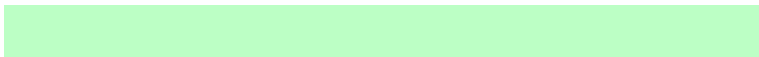
The Sweet Spot groups the original color and five complimentary colors.



83.2196, 0.2731, 0.3182



94.4183, 0.3003, 0.3260



86.2094, 0.3043, 0.3944



19.9951, 0.2980, 0.3254



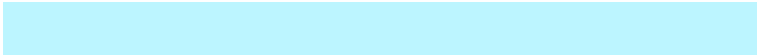
0.0000, 0.0000, 0.0000



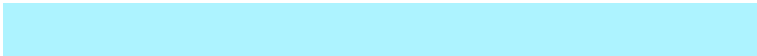
21.4041, 0.3127, 0.3290

Same Dimension

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



83.2196, 0.2731, 0.3182



80.1877, 0.2652, 0.3156



65.2373, 0.2696, 0.2817



19.9951, 0.2980, 0.3254



29.9232, 0.2114, 0.2811



3.0329, 0.2131, 0.2871

Inverse Universe

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



63.7787, 0.3232, 0.2723



57.7654, 0.3259, 0.2599



81.6912, 0.3585, 0.3721



18.2513, 0.3161, 0.3090



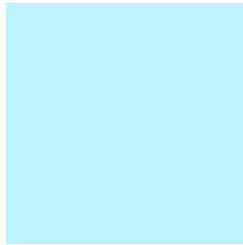
13.7487, 0.3625, 0.1770



1.3507, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 83.2162, 0.2731, 0.3182 looks on a white background.

Color Contrast Check

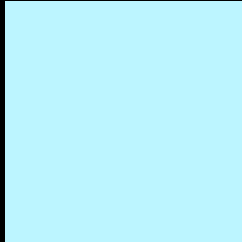
Large Text (above 18pt) WCAG AA × Fail

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 83.2162, 0.2731, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

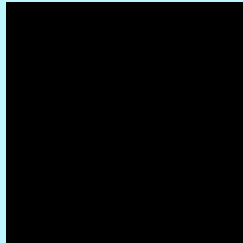
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2162, 0.2731, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 83.2162, 0.2731, 0.3182.

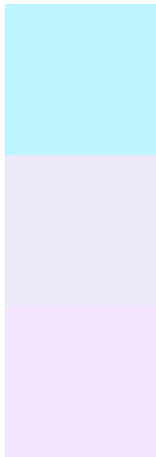


This preview shows how white text looks on a background with the Yxy color 83.2162, 0.2731, 0.3182.

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

83.2162, 0.2731, 0.3182

Protanopia

82.7173, 0.3048, 0.3138

Deuteranopia

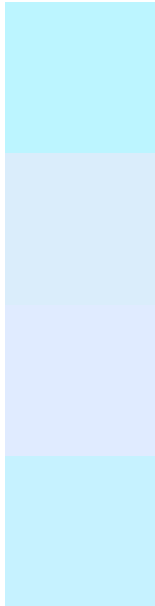
82.4917, 0.3065, 0.3033



Tritanopia

82.9680, 0.2818, 0.3142

Trichromacy



Original Color

83.2162, 0.2731, 0.3182

Protanomaly

82.4388, 0.2922, 0.3144

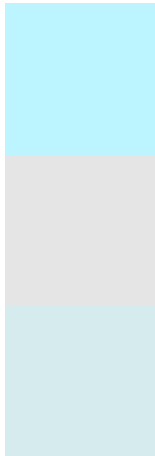
Deuteranomaly

82.4840, 0.2936, 0.3085

Tritanomaly

82.7300, 0.2784, 0.3151

Monochromacy



Original Color

83.2162, 0.2731, 0.3182

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 83.2162, 0.2731, 0.3182 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(188, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.2162, 0.2731, 0.3182 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(188, 245, 255) }
```

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

```
.border{ border-color:rgb(188, 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(188, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2162, 0.2731, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 245, 255) }
```

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

```
.background{ background-color: rgb(188,  
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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