

# Converting Colors

$Yxy(82.9693, 0.2691, 0.3193)$

Have a look what the booklet for  
Yxy(82.9693, 0.2691, 0.3193)  
contains.

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# Color

**Yxy(82.8348, 0.2690, 0.3191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4F6FF
RGB	180, 246, 255
RGB Percent	71%, 96%, 100%
CMY	0.2941, 0.0353, 0.0000
CMYK	0.29, 0.04, 0.00, 0.00
HSL	187°, 100%, 85%
HSV	187°, 29%, 100%
XYZ	69.8294, 82.8348, 106.9246
YIQ	227.2920, -42.2250, -11.1930

# Conversions

## Conversions Part 2

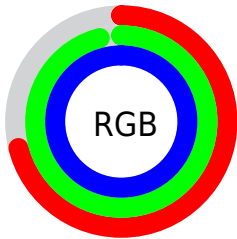
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 215, 255
Decimal	11859711
CIELab	92.94, -18.41, -10.96
CIElCh	93, 21.428, 210.770
Yxy	82.8348, 0.2690, 0.3191
Android (android.graphics.Color)	4290049791 (0xFFB4F6FF)
YUV	227.2920, 13.6600, -41.4751
Hunter-Lab	91.0136, -22.3213, -5.9456

# Details

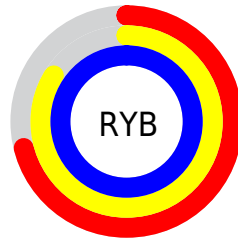
The Yxy color **82.8348, 0.2690, 0.3191** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.9504, 0.3760, 0.3386**, and the grayscale version is **76.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **45.2641, 0.2600, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **78.2075, 0.2560, 0.3153**, and if you desaturate by 10%, it is **88.0608, 0.2832, 0.3227**.

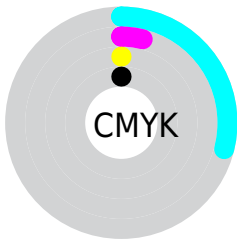
# Distribution



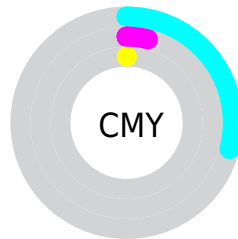
- Red (71%)
- Green (96%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8348, 0.2690, 0.3191 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 82.8348, 0.2690, 0.3191 by changing the saturation by 10% instead.



 82.8348, 0.2690,  
0.3191

 82.8348, 0.2690,  
0.3191


504.4358, 0.2885,  
0.3239

 62.0539, 0.2647,  
0.3180


 137.3441, 0.2756,  
0.3208

 45.0762, 0.2595,  
0.3165


171.8412, 0.2782,  
0.3215

 31.5175, 0.2531,  
0.3147


211.6792, 0.2805,  
0.3220

 20.9932, 0.2449,  
0.3122

257.2424, 0.2825,  
0.3225

 13.1190, 0.2342,  
0.3087

308.9153, 0.2842,  
0.3229

 7.5106, 0.2194,  
0.3036

367.0822, 0.2858,

 3.7834, 0.1982,

0.3233

0.2954

432.1276, 0.2872,  
0.3236

■ 1.5532, 0.1652,  
0.2806

■ 0.3257, 0.0000,  
0.2238

■ 82.8348, 0.2690,  
0.3191

■ 82.8348, 0.2690,  
0.3191

■ 78.2075, 0.2560,  
0.3153

■ 88.0608, 0.2832,  
0.3227

■ 74.1403, 0.2444,  
0.3112

■ 93.9065, 0.2981,  
0.3261

■ 70.6015, 0.2346,  
0.3071

100.0000, 0.3127,  
0.3290

■ 67.5533, 0.2266,  
0.3028

■ 64.9525, 0.2206,  
0.2986

■ 62.7475, 0.2165,  
0.2943

■ 60.8593, 0.2140,  
0.2902

■ 60.7524, 0.2139,  
0.2899

# Harmonies

## Analogous

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



82.8348, 0.2829, 0.3425



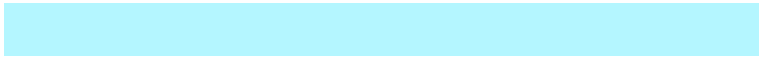
82.8348, 0.2690, 0.3191



82.8348, 0.2663, 0.2998

# Triad

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



82.8348, 0.2690, 0.3191



82.8348, 0.3190, 0.2985



82.8348, 0.3506, 0.3696

# Complementary

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



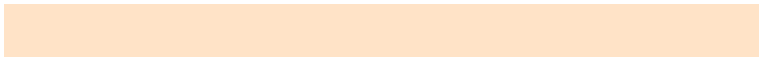
82.8348, 0.2690, 0.3191



60.9504, 0.3760, 0.3386

# 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.



82.8348, 0.3613, 0.3558



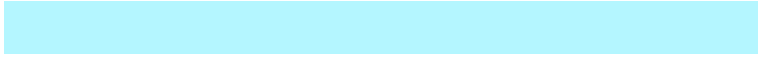
82.8348, 0.2690, 0.3191



82.8348, 0.3427, 0.3154

# Square

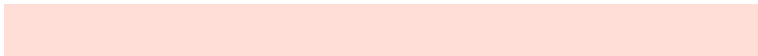
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



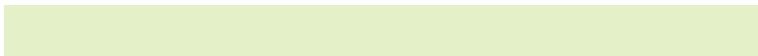
82.8348, 0.2690, 0.3191



82.8348, 0.2944, 0.2890



82.8348, 0.3585, 0.3360



82.8348, 0.3298, 0.3725

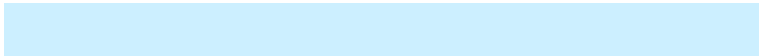


# Rectangle

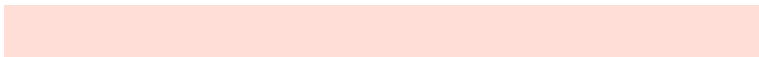
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8348, 0.2690, 0.3191



82.8348, 0.2711, 0.2916



82.8348, 0.3585, 0.3360



82.8348, 0.3556, 0.3660

# Sweetspot

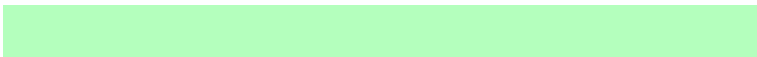
The Sweet Spot groups the original color and five complimentary colors.



82.8374, 0.2690, 0.3191



94.1602, 0.2988, 0.3262



84.8871, 0.3040, 0.4049



19.9628, 0.2965, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

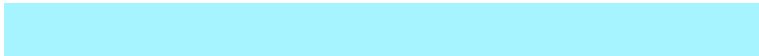


# Same Dimension

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



82.8374, 0.2690, 0.3191



80.1783, 0.2616, 0.3170



62.4030, 0.2643, 0.2767



20.0875, 0.2980, 0.3261



31.8917, 0.2141, 0.2906



3.2056, 0.2154, 0.2954



# Inverse Universe

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



60.5578, 0.3230, 0.2636



54.9911, 0.3253, 0.2512



79.0848, 0.3650, 0.3762



18.2606, 0.3156, 0.3083



13.9475, 0.3538, 0.1723

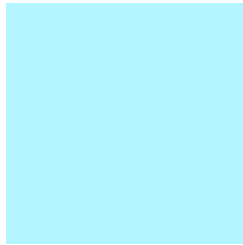


1.3682, 0.3495, 0.1699



# Previews

## White Background



This preview shows how the Yxy color 82.8348, 0.2690, 0.3191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

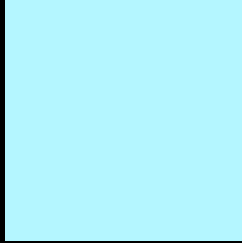
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8348, 0.2690, 0.3191 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

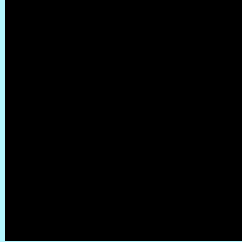
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.8348, 0.2690, 0.3191**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8348, 0.2690, 0.3191.

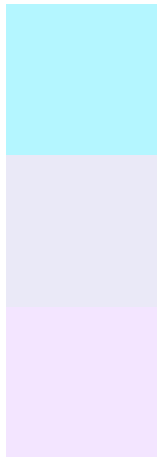


This preview shows how white text looks on a background with the Yxy color 82.8348, 0.2690, 0.3191.

# 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

82.8348, 0.2690, 0.3191

### Protanopia

82.4857, 0.3047, 0.3148

### Deuteranopia

82.3133, 0.3059, 0.3032



## Tritanopia

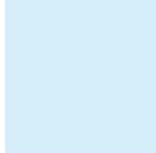
82.4100, 0.2795, 0.3141

# Trichromacy



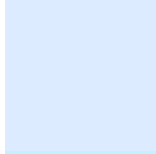
## Original Color

82.8348, 0.2690, 0.3191



## Protanomaly

82.3473, 0.2903, 0.3164



## Deuteranomaly

81.8523, 0.2911, 0.3083



## Tritanomaly

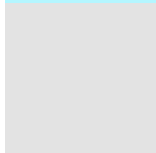
82.6586, 0.2757, 0.3161

# Monochromacy



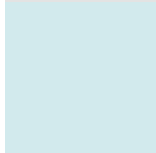
## Original Color

82.8348, 0.2690, 0.3191



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.6617, 0.2952, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8348, 0.2690, 0.3191 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(180, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8348, 0.2690, 0.3191 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(180, 246, 255) }
```

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

```
.border{ border-color:rgb(180, 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(180, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 246,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8348, 0.2690, 0.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 246, 255) }
```

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

```
.background{ background-color: rgb(180,  
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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