

# Converting Colors

$Yxy(82.3820, 0.2730, 0.3166)$

Have a look what the booklet for  
Yxy(82.3820, 0.2730, 0.3166)  
contains.

<b>Yxy(82.6127, 0.2730, 0.3171)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(82.6127, 0.2730, 0.3171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCF4FF
RGB	188, 244, 255
RGB Percent	74%, 96%, 100%
CMY	0.2630, 0.0430, 0.0001
CMYK	0.26, 0.04, 0.00, 0.00
HSL	190°, 100%, 87%
HSV	190°, 26%, 100%
XYZ	71.1235, 82.6127, 106.7895
YIQ	228.5100, -36.9070, -8.4510

# Conversions

## Conversions Part 2

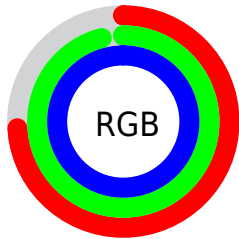
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	188, 219, 255
Decimal	12383487
CIE Lab	92.84, -15.22, -11.05
CIE LCh	93, 18.808, 215.970
Yxy	82.6127, 0.2730, 0.3171
Android (android.graphics.Color)	4290573567 (0xFFBCF4FF)
YUV	228.5100, 13.0596, -35.5273
Hunter-Lab	90.8915, -19.3822, -6.0364

# Details

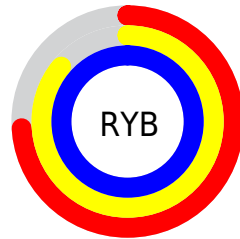
The Yxy color **82.6127, 0.2730, 0.3171** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6800, 0.3666, 0.3405**, and the grayscale version is **77.8901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **45.0302, 0.2647, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **77.1800, 0.2593, 0.3119**, and if you desaturate by 10%, it is **88.6808, 0.2877, 0.3219**.

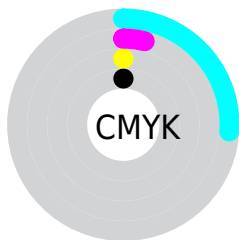
# Distribution



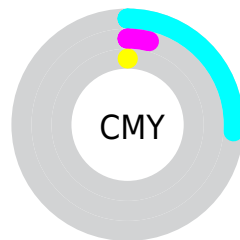
- Red (74%)
- Green (96%)
- Blue (100%)



- 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 82.6127, 0.2730, 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 82.6127, 0.2730, 0.3171 by changing the saturation by 10% instead.




 82.6127, 0.2730,  
0.3171

 82.6127, 0.2730,  
0.3171

503.6948, 0.2907,  
0.3228

 61.8707, 0.2691,  
0.3158


 137.0329, 0.2790,  
0.3191

 44.9282, 0.2644,  
0.3141


171.4799, 0.2814,  
0.3199

 31.4009, 0.2585,  
0.3120


211.2639, 0.2835,  
0.3205

 20.9043, 0.2510,  
0.3093

256.7695, 0.2853,  
0.3211

 13.0541, 0.2411,  
0.3054

308.3810, 0.2869,  
0.3216

 7.4658, 0.2276,  
0.2999

366.4828, 0.2883,

 3.7551, 0.2079,

0.3220

0.2911

431.4593, 0.2896,  
0.3224

■ 1.5375, 0.1770,  
0.2755

■ 0.3149, 0.0000,  
0.2190

■ 82.6127, 0.2730,  
0.3171

■ 82.6127, 0.2730,  
0.3171

■ 77.1800, 0.2593,  
0.3119

■ 88.6808, 0.2877,  
0.3219

■ 72.3421, 0.2468,  
0.3064

■ 95.4025, 0.3029,  
0.3264

■ 68.0693, 0.2358,  
0.3007

99.9989, 0.3127,  
0.3290

■ 64.3246, 0.2266,  
0.2948

■ 61.0665, 0.2194,  
0.2889

■ 58.2462, 0.2141,  
0.2830

■ 55.8030, 0.2107,  
0.2771

■ 54.9607, 0.2097,  
0.2750

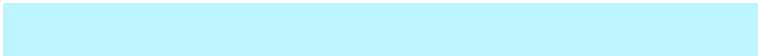
# Harmonies

## Analogous

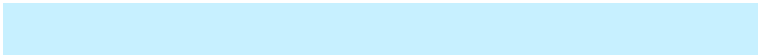
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6127, 0.2838, 0.3373



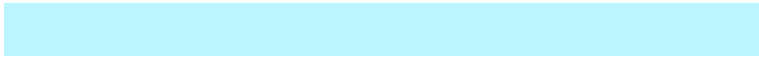
82.6127, 0.2730, 0.3171



82.6127, 0.2724, 0.3011

# Triad

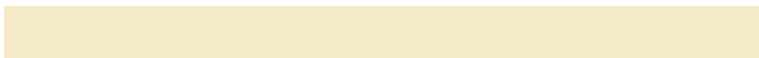
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6127, 0.2730, 0.3171



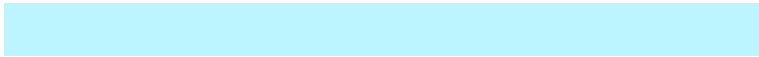
82.6127, 0.3222, 0.3043



82.6127, 0.3434, 0.3659

# Complementary

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



82.6127, 0.2730, 0.3171



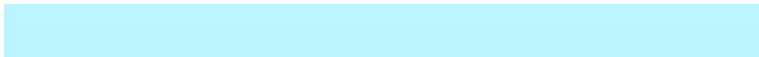
65.6800, 0.3666, 0.3405

# 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.



82.6127, 0.3546, 0.3553



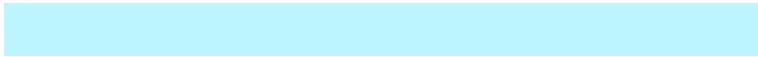
82.6127, 0.2730, 0.3171



82.6127, 0.3421, 0.3201

# Square

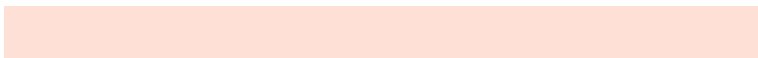
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6127, 0.2730, 0.3171



82.6127, 0.3002, 0.2945



82.6127, 0.3541, 0.3386

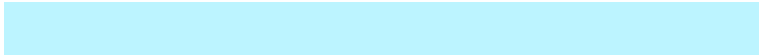


82.6127, 0.3242, 0.3663

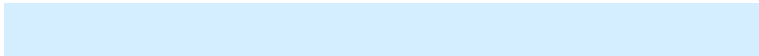


# Rectangle

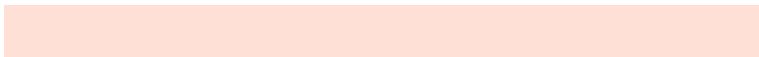
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



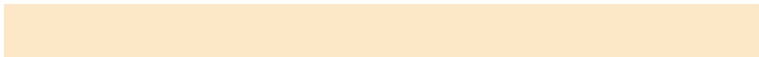
82.6127, 0.2730, 0.3171



82.6127, 0.2779, 0.2948



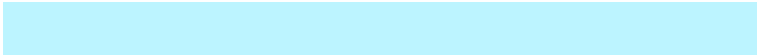
82.6127, 0.3541, 0.3386



82.6127, 0.3483, 0.3633

# Sweetspot

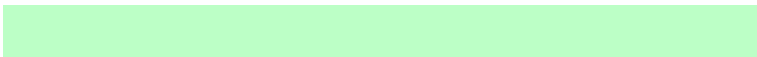
The Sweet Spot groups the original color and five complimentary colors.



82.6160, 0.2730, 0.3171



94.2250, 0.3003, 0.3257



86.2681, 0.3037, 0.3930



19.9461, 0.2980, 0.3250



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

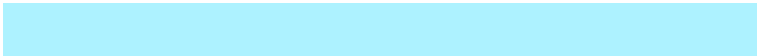


# Same Dimension

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



82.6160, 0.2730, 0.3171



79.4531, 0.2650, 0.3142



64.6872, 0.2695, 0.2805



19.9461, 0.2980, 0.3250



28.9104, 0.2100, 0.2760



2.9437, 0.2119, 0.2826



# Inverse Universe

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



63.7254, 0.3239, 0.2733



57.6913, 0.3269, 0.2611



82.3244, 0.3582, 0.3732



18.2464, 0.3163, 0.3093



13.6465, 0.3672, 0.1797

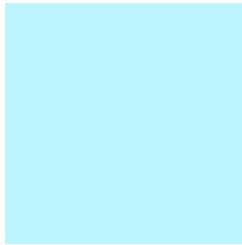


1.3417, 0.3610, 0.1763



# Previews

## White Background



This preview shows how the Yxy color 82.6127, 0.2730, 0.3171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

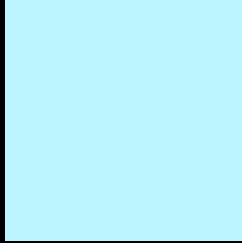
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.6127, 0.2730, 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 82.6127, 0.2730, 0.3171**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.6127, 0.2730, 0.3171.

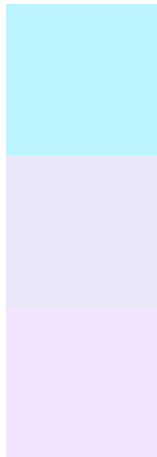


This preview shows how white text looks on a background with the Yxy color 82.6127, 0.2730, 0.3171.

# 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

82.6127, 0.2730, 0.3171

### Protanopia

81.9830, 0.3042, 0.3127

### Deuteranopia

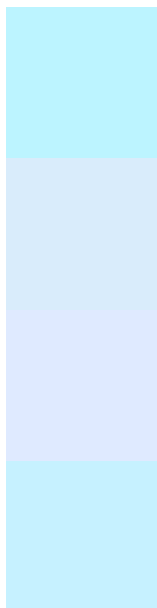
81.7615, 0.3059, 0.3022



## Tritanopia

82.2367, 0.2811, 0.3131

# Trichromacy



**Original Color**

82.6127, 0.2730, 0.3171

**Protanomaly**

81.7077, 0.2915, 0.3133

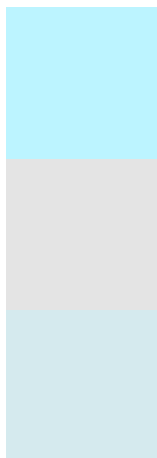
**Deuteranomaly**

81.7536, 0.2929, 0.3074

**Tritanomaly**

82.1364, 0.2783, 0.3140

# Monochromacy



**Original Color**

82.6127, 0.2730, 0.3171

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

79.1648, 0.2965, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.6127, 0.2730, 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(188, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.6127, 0.2730, 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(188, 244, 255) }
```

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

```
.border{ border-color:rgb(188, 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(188, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.6127, 0.2730, 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(188, 244, 255) }
```

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

```
.background{ background-color: rgb(188,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor