

# Converting Colors

Yxy(82.4830, 0.2881, 0.4013)

Have a look what the booklet for  
Yxy(82.4830, 0.2881, 0.4013)  
contains.

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# Color

**Yxy(82.4830, 0.2881, 0.4013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CFFC2
RGB	156, 255, 194
RGB Percent	61%, 100%, 76%
CMY	0.3880, 0.0000, 0.2392
CMYK	0.39, 0.00, 0.24, 0.00
HSL	143°, 100%, 81%
HSV	143°, 39%, 100%
XYZ	59.2159, 82.4830, 63.8406
YIQ	218.4450, -39.4230, -39.9590

# Conversions

## Conversions Part 2

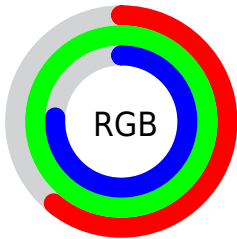
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 228, 255
Decimal	10289090
CIELab	92.79, -41.87, 20.17
CIELCh	93, 46.476, 154.279
Yxy	82.4830, 0.2881, 0.4013
Android (android.graphics.Color)	4288479170 (0xFF9CFFC2)
YUV	218.4450, -12.0514, -54.7643
Hunter-Lab	90.8202, -42.5509, 21.8972

# Details

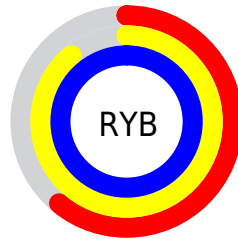
The Yxy color **82.4830, 0.2881, 0.4013** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.0672, 0.3500, 0.2669**, and the grayscale version is **70.5498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7812, 0.2904, 0.3330**, and **44.9909, 0.2819, 0.4202** is the 20% darker color. If you saturate the color by 10%, you get **79.5334, 0.2833, 0.4242**, and if you desaturate by 10%, it is **86.0481, 0.2938, 0.3799**.

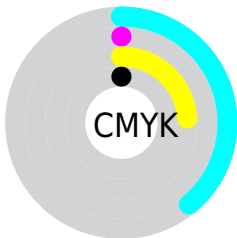
# Distribution



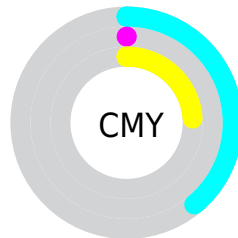
- Red (61%)
- Green (100%)
- Blue (76%)



- Red (61%)
- Yellow (89%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4830, 0.2881, 0.4013 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 82.4830, 0.2881, 0.4013 by changing the saturation by 10% instead.




 82.4830, 0.2881,  
0.4013


 82.4830, 0.2881,  
0.4013


503.2619, 0.3001,  
0.3669

 61.7637, 0.2852,  
0.4094


 136.8511, 0.2924,  
0.3892

 44.8418, 0.2816,  
0.4195


 171.2688, 0.2940,  
0.3845

 31.3329, 0.2769,  
0.4324


211.0214, 0.2954,  
0.3805

 20.8524, 0.2706,  
0.4496


256.4933, 0.2966,  
0.3771

 13.0162, 0.2617,  
0.4734

308.0689, 0.2976,  
0.3741

 7.4397, 0.2483,  
0.5085


366.1326, 0.2985,


 3.7386, 0.2260,


0.3714


0.5646

431.0688, 0.2993,  
0.3690


 1.5284, 0.1631,  
0.7707


 0.3086, 0.0000,  
1.0000


 82.4830, 0.2881,  
0.4013


 82.4830, 0.2881,  
0.4013


 79.5334, 0.2833,  
0.4242

 86.0481, 0.2938,  
0.3799

 77.1532, 0.2798,  
0.4483

 90.2514, 0.3001,  
0.3604

 75.3057, 0.2779,  
0.4726

 95.1270, 0.3068,  
0.3428

 73.9457, 0.2779,  
0.4965

99.9976, 0.3127,  
0.3290

■ 73.0197, 0.2797,  
0.5188

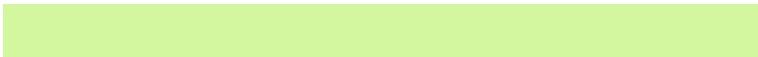
■ 72.4515, 0.2832,  
0.5387

■ 72.3958, 0.2836,  
0.5410

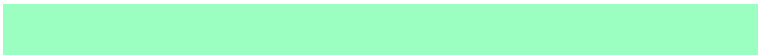
# Harmonies

## Analogous

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



82.4830, 0.3408, 0.4260



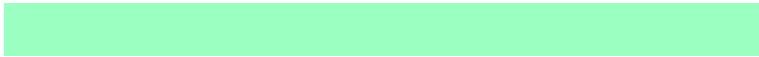
82.4830, 0.2881, 0.4013



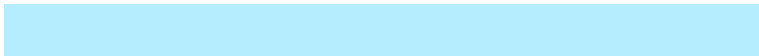
82.4830, 0.2444, 0.3514

# Triad

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



82.4830, 0.2881, 0.4013



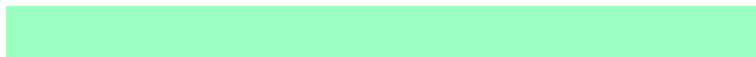
82.4830, 0.2380, 0.2449



82.4830, 0.4154, 0.3452

# Complementary

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



82.4830, 0.2881, 0.4013



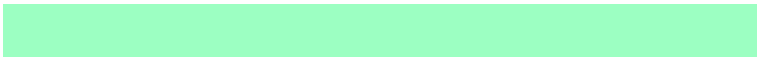
50.0672, 0.3500, 0.2669

# 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.



82.4830, 0.3832, 0.3039



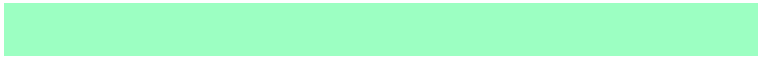
82.4830, 0.2881, 0.4013



82.4830, 0.2781, 0.2486

# Square

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



82.4830, 0.2881, 0.4013



82.4830, 0.2177, 0.2614



82.4830, 0.3313, 0.2697

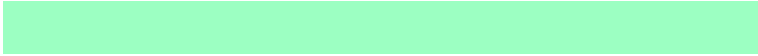


82.4830, 0.4166, 0.3863



# Rectangle

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



82.4830, 0.2881, 0.4013



82.4830, 0.2255, 0.3152



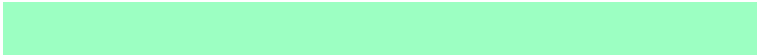
82.4830, 0.3313, 0.2697



82.4830, 0.4079, 0.3310

# Sweetspot

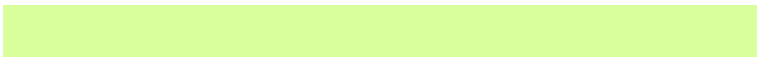
The Sweet Spot groups the original color and five complimentary colors.



82.4864, 0.2881, 0.4013



93.4954, 0.3046, 0.3482



88.6821, 0.3452, 0.4348



19.8734, 0.3038, 0.3505



0.0000, 0.0000, 0.0000

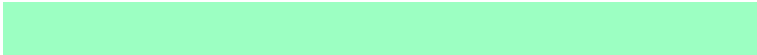


21.4041, 0.3127, 0.3290

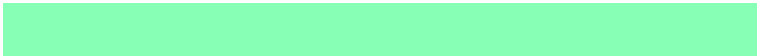


# Same Dimension

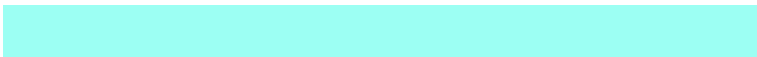
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4864, 0.2881, 0.4013



80.0245, 0.2841, 0.4200



85.0896, 0.2640, 0.3418



20.2835, 0.3063, 0.3440



37.8565, 0.2827, 0.5379



3.7065, 0.2764, 0.5151



# Inverse Universe

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



50.0672, 0.3500, 0.2669



43.2348, 0.3611, 0.2541



47.8672, 0.3986, 0.3171



18.1753, 0.3197, 0.3144



12.4143, 0.4477, 0.2240

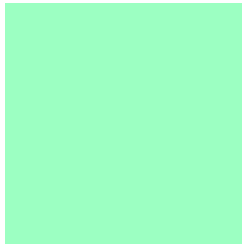


1.2301, 0.4293, 0.2138



# Previews

## White Background



This preview shows how the Yxy color 82.4830, 0.2881, 0.4013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

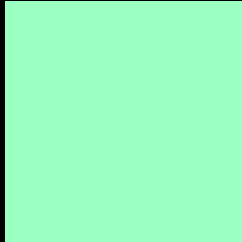
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4830, 0.2881, 0.4013 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

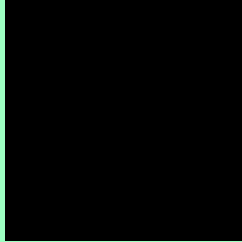
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

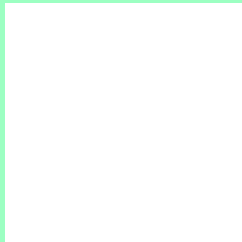
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4830, 0.2881, 0.4013**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4830, 0.2881, 0.4013.

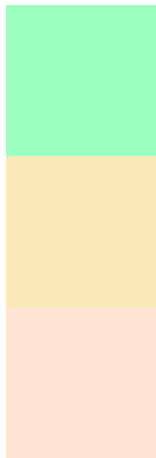


This preview shows how white text looks on a background with the Yxy color 82.4830, 0.2881, 0.4013.

# 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

82.4830, 0.2881, 0.4013

### Protanopia

81.6532, 0.3560, 0.3805

### Deuteranopia

81.6018, 0.3411, 0.3431



## Tritanopia

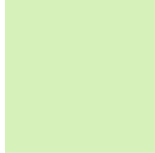
81.7327, 0.2766, 0.3140

# Trichromacy



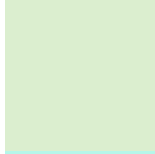
## Original Color

82.4830, 0.2881, 0.4013



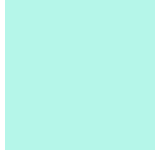
## Protanomaly

80.9455, 0.3284, 0.3884



## Deuteranomaly

80.7141, 0.3191, 0.3625



## Tritanomaly

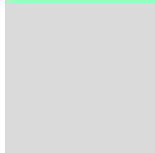
81.6185, 0.2807, 0.3434

# Monochromacy



## Original Color

82.4830, 0.2881, 0.4013



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

73.3574, 0.3022, 0.3542

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4830, 0.2881, 0.4013 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(156, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 194)  
}
```

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(156, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4830, 0.2881, 0.4013 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(156, 255, 194) }
```

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

```
.border{ border-color:rgb(156, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4830, 0.2881, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 194) }
```

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

```
.background{ background-color: rgb(156,  
255, 194) }
```

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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