

# Converting Colors

$Yxy(82.4793, 0.2470, 0.3346)$

Have a look what the booklet for  
Yxy(82.4793, 0.2470, 0.3346)  
contains.

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# Color

**Yxy(82.4871, 0.2470, 0.3346)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 79FFFA                       |
| RGB         | 121, 255, 250                |
| RGB Percent | 47%, 100%, 98%               |
| CMY         | 0.5258, 0.0000, 0.0196       |
| CMYK        | 0.53, 0.00, 0.02, 0.00       |
| HSL         | 178°, 100%, 74%              |
| HSV         | 178°, 53%, 100%              |
| XYZ         | 60.8916, 82.4871, 103.1459   |
| YIQ         | 214.3640, -78.2590, -29.9630 |

# Conversions

## Conversions Part 2

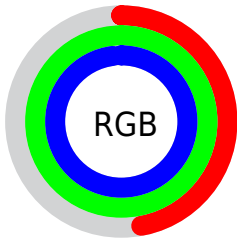
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 121, 189, 255                  |
| Decimal                             | 7995386                        |
| CIELab                              | 92.79, -37.89, -8.86           |
| CIELCh                              | 93, 38.909, 193.156            |
| Yxy                                 | 82.4871, 0.2470,<br>0.3346     |
| Android<br>(android.graphics.Color) | 4286185466<br>(0xFF79FFFA)     |
| YUV                                 | 214.3640, 17.5685,<br>-81.8802 |
| Hunter-Lab                          | 90.8224, -39.2645,<br>-3.7592  |

# Details

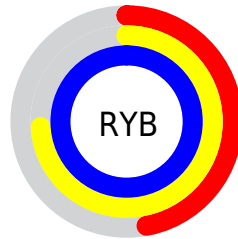
The Yxy color **82.4871, 0.2470, 0.3346** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.4234, 0.4617, 0.3244**, and the grayscale version is **67.4065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **44.9870, 0.2329, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **80.8181, 0.2395, 0.3358**, and if you desaturate by 10%, it is **84.6323, 0.2564, 0.3334**.

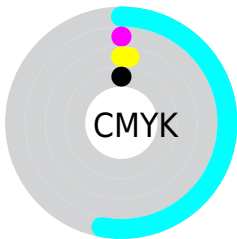
# Distribution



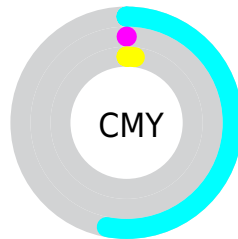
- Red (47%)
- Green (100%)
- Blue (98%)



- Red (47%)
- Yellow (74%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4871, 0.2470, 0.3346 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 82.4871, 0.2470, 0.3346 by changing the saturation by 10% instead.




 82.4871, 0.2470,  
0.3346

 82.4871, 0.2470,  
0.3346


503.2756, 0.2761,  
0.3327


 61.7671, 0.2407,  
0.3349


 136.8569, 0.2569,  
0.3341

 44.8446, 0.2330,  
0.3351


 171.2755, 0.2608,  
0.3339

 31.3350, 0.2235,  
0.3353


 211.0290, 0.2642,  
0.3336

 20.8541, 0.2115,  
0.3353

256.5020, 0.2671,  
0.3334

 13.0174, 0.1959,  
0.3351

308.0787, 0.2698,  
0.3332

 7.4405, 0.1749,  
0.3340


366.1436, 0.2721,


 3.7391, 0.1455,


0.3331


431.0811, 0.2742,  
0.3329


0.3310


 1.5287, 0.0900,  
0.3271


 0.3088, 0.0000,  
0.2443


 82.4871, 0.2470,  
0.3346

 82.4871, 0.2470,  
0.3346


 80.8181, 0.2395,  
0.3358


 84.6323, 0.2564,  
0.3334


 79.6022, 0.2339,  
0.3371


 87.3048, 0.2676,  
0.3322


 78.7887, 0.2303,  
0.3383

 90.5311, 0.2802,  
0.3312

 78.3227, 0.2284,  
0.3395

 94.3404, 0.2941,  
0.3302

 78.1415, 0.2279,  
0.3404

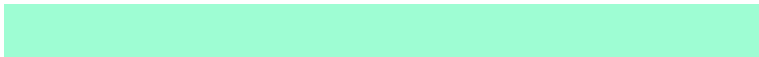
 98.7599, 0.3088,  
0.3292

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



82.4871, 0.2803, 0.3780



82.4871, 0.2470, 0.3346



82.4871, 0.2312, 0.2933

# Triad

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



82.4871, 0.2470, 0.3346



82.4871, 0.2965, 0.2643



82.4871, 0.3954, 0.3874

# Complementary

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



82.4871, 0.2470, 0.3346



36.4234, 0.4617, 0.3244

# 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.



82.4871, 0.4018, 0.3544



82.4871, 0.2470, 0.3346



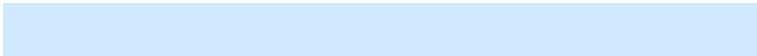
82.4871, 0.3423, 0.2863

# Square

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



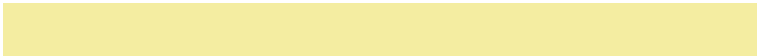
82.4871, 0.2470, 0.3346



82.4871, 0.2580, 0.2567



82.4871, 0.3819, 0.3183



82.4871, 0.3662, 0.4080



# Rectangle

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



82.4871, 0.2470, 0.3346



82.4871, 0.2316, 0.2732



82.4871, 0.3819, 0.3183



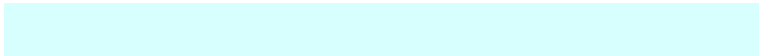
82.4871, 0.4004, 0.3773

# Sweetspot

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



82.4817, 0.2470, 0.3346



92.9685, 0.2892, 0.3305



77.4599, 0.3080, 0.4965



19.7298, 0.2863, 0.3307



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.



82.4817, 0.2470, 0.3346



80.7576, 0.2392, 0.3359



50.1626, 0.2298, 0.2541



20.4691, 0.2985, 0.3299



40.8358, 0.2278, 0.3402



3.9796, 0.2275, 0.3388



# Inverse Universe

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



36.4234, 0.4617, 0.3244



30.2547, 0.5100, 0.3242



55.7938, 0.4294, 0.3911



17.9981, 0.3289, 0.3282



11.1245, 0.6363, 0.3279

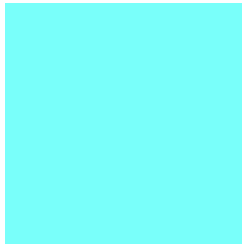


1.0868, 0.6274, 0.3230



# Previews

## White Background



This preview shows how the Yxy color 82.4871, 0.2470, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

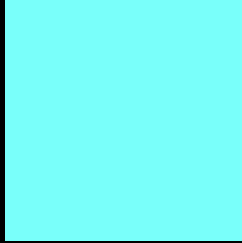
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4871, 0.2470, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

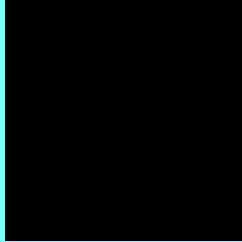
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

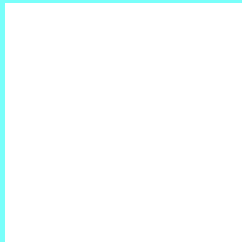
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4871, 0.2470, 0.3346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4871, 0.2470, 0.3346.

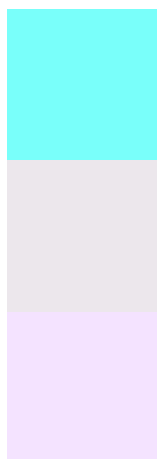


This preview shows how white text looks on a background with the Yxy color 82.4871, 0.2470, 0.3346.

# 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

82.4871, 0.2470, 0.3346

### Protanopia

81.0408, 0.3130, 0.3239

### Deuteranopia

81.3913, 0.3066, 0.3013



## Tritanopia

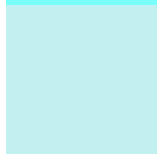
81.6355, 0.2713, 0.3159

# Trichromacy



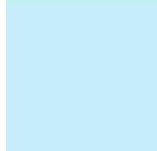
## Original Color

82.4871, 0.2470, 0.3346



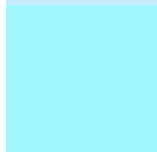
## Protanomaly

80.1404, 0.2834, 0.3278



## Deuteranomaly

79.8023, 0.2796, 0.3118



## Tritanomaly

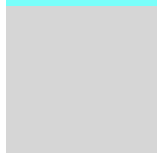
81.2948, 0.2611, 0.3222

# Monochromacy



## Original Color

82.4871, 0.2470, 0.3346



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

71.2880, 0.2821, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4871, 0.2470, 0.3346 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(121, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 250)  
}
```

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(121, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4871, 0.2470, 0.3346 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(121, 255, 250) }
```

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

```
.border{ border-color:rgb(121, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4871, 0.2470, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 250) }
```

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

```
.background{ background-color: rgb(121,  
255, 250) }
```

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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