

# Converting Colors

$Yxy(82.8108, 0.2553, 0.3454)$

Have a look what the booklet for  
Yxy(82.8108, 0.2553, 0.3454)  
contains.

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# Color

**Yxy(82.8574, 0.2553, 0.3450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85FFF1
RGB	133, 255, 241
RGB Percent	52%, 100%, 95%
CMY	0.4783, 0.0000, 0.0548
CMYK	0.48, 0.00, 0.05, 0.00
HSL	173°, 100%, 76%
HSV	173°, 48%, 100%
XYZ	61.3145, 82.8574, 95.9945
YIQ	216.9260, -68.2180, -30.2180

# Conversions

## Conversions Part 2

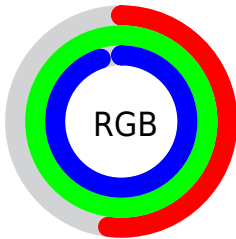
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 198, 255
Decimal	8781809
CIE <sub>Lab</sub>	92.95, -37.59, -3.93
CIE <sub>LCh</sub>	93, 37.797, 185.963
Yxy	82.8574, 0.2553, 0.3450
Android (android.graphics.Color)	4286971889 (0xFF85FFF1)
YUV	216.9260, 11.8685, -73.6031
Hunter-Lab	91.0260, -39.0593, 1.1920

# Details

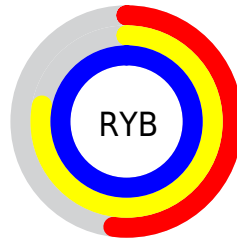
The Yxy color **82.8574, 0.2553, 0.3450** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.1485, 0.4305, 0.3149**, and the grayscale version is **69.2932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **45.1930, 0.2428, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **80.8572, 0.2474, 0.3489**, and if you desaturate by 10%, it is **85.3706, 0.2649, 0.3412**.

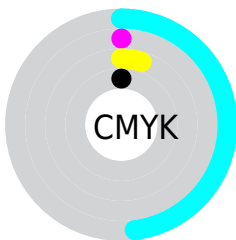
# Distribution



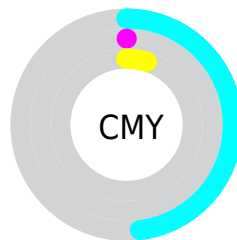
- Red (52%)
- Green (100%)
- Blue (95%)



- Red (52%)
- Yellow (78%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8574, 0.2553, 0.3450 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 82.8574, 0.2553, 0.3450 by changing the saturation by 10% instead.




 82.8574, 0.2553,  
0.3450

 82.8574, 0.2553,  
0.3450


504.5111, 0.2809,  
0.3381

 62.0725, 0.2497,  
0.3465


 137.3757, 0.2640,  
0.3427

 45.0913, 0.2428,  
0.3482


 171.8779, 0.2675,  
0.3418

 31.5293, 0.2343,  
0.3503


211.7214, 0.2704,  
0.3410

 21.0023, 0.2235,  
0.3529

257.2905, 0.2731,  
0.3403

 13.1257, 0.2094,  
0.3561

308.9696, 0.2754,  
0.3397

 7.5151, 0.1901,  
0.3603

367.1432, 0.2774,

 3.7863, 0.1624,

0.3391

0.3656

432.1956, 0.2793,  
0.3386

■ 1.5547, 0.1079,  
0.3770

■ 0.3268, 0.0000,  
0.3414

■ 82.8574, 0.2553,  
0.3450

■ 82.8574, 0.2553,  
0.3450

■ 80.8572, 0.2474,  
0.3489

■ 85.3706, 0.2649,  
0.3412

■ 79.3232, 0.2414,  
0.3529

■ 88.4204, 0.2761,  
0.3377

■ 78.2164, 0.2374,  
0.3569

■ 92.0408, 0.2885,  
0.3343

■ 77.4872, 0.2353,  
0.3610

■ 96.2597, 0.3018,  
0.3312

■ 77.0690, 0.2349,  
0.3649

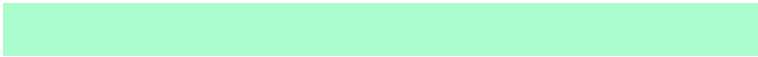
100.0000, 0.3127,  
0.3290

■ 76.9985, 0.2349,  
0.3658

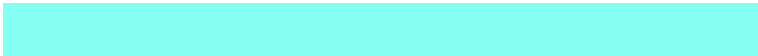
# Harmonies

## Analogous

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



82.8574, 0.2909, 0.3849



82.8574, 0.2553, 0.3450



82.8574, 0.2354, 0.3031

# Triad

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



82.8574, 0.2553, 0.3450



82.8574, 0.2870, 0.2629



82.8574, 0.3967, 0.3789

# Complementary

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



82.8574, 0.2553, 0.3450



40.1485, 0.4305, 0.3149

# 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.



82.8574, 0.3967, 0.3454



82.8574, 0.2553, 0.3450



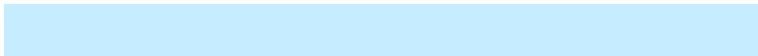
82.8574, 0.3308, 0.2813

# Square

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



82.8574, 0.2553, 0.3450



82.8574, 0.2527, 0.2593



82.8574, 0.3720, 0.3106



82.8574, 0.3731, 0.4026



# Rectangle

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



82.8574, 0.2553, 0.3450



82.8574, 0.2327, 0.2811



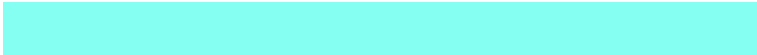
82.8574, 0.3720, 0.3106



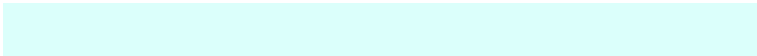
82.8574, 0.3996, 0.3684

# Sweetspot

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



82.8606, 0.2553, 0.3450



93.5859, 0.2935, 0.3331



79.4408, 0.3131, 0.4777



19.8428, 0.2907, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

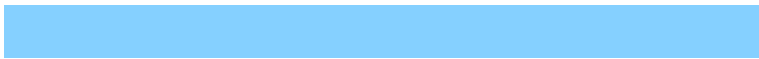
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8606, 0.2553, 0.3450



81.0057, 0.2480, 0.3486



57.4387, 0.2388, 0.2725



20.4435, 0.2995, 0.3317



40.2477, 0.2348, 0.3651



3.9285, 0.2335, 0.3606



# Inverse Universe

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



40.1485, 0.4305, 0.3149



33.8508, 0.4676, 0.3131



55.5086, 0.4203, 0.3778



18.0209, 0.3276, 0.3263



11.1664, 0.6265, 0.3225

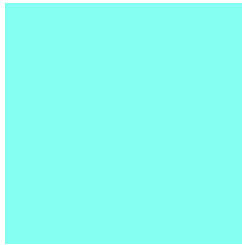


1.0976, 0.6032, 0.3096



# Previews

## White Background



This preview shows how the Yxy color 82.8574, 0.2553, 0.3450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

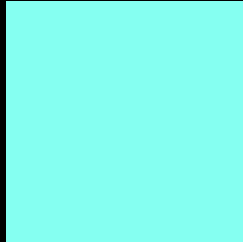
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8574, 0.2553, 0.3450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

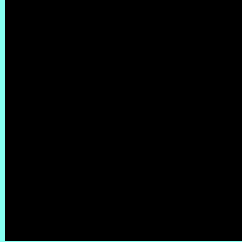
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

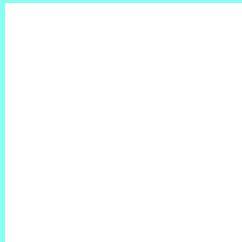
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8574, 0.2553, 0.3450**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8574, 0.2553, 0.3450.

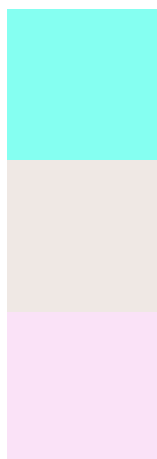


This preview shows how white text looks on a background with the Yxy color 82.8574, 0.2553, 0.3450.

# 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

82.8574, 0.2553, 0.3450

### Protanopia

81.6654, 0.3200, 0.3331

### Deuteranopia

81.4321, 0.3158, 0.3083



## Tritanopia

82.1400, 0.2735, 0.3160

# Trichromacy



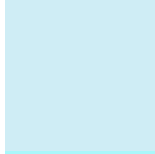
## Original Color

82.8574, 0.2553, 0.3450



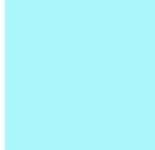
## Protanomaly

80.4827, 0.2914, 0.3366



## Deuteranomaly

80.4263, 0.2888, 0.3204



## Tritanomaly

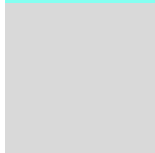
81.8587, 0.2660, 0.3255

# Monochromacy



## Original Color

82.8574, 0.2553, 0.3450



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

73.0819, 0.2864, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8574, 0.2553, 0.3450 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(133, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 241)  
}
```

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(133, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8574, 0.2553, 0.3450 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(133, 255, 241) }
```

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

```
.border{ border-color:rgb(133, 255, 241) }
```

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

Here you see how a box with a 4 pixel rgb(133, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8574, 0.2553, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 241) }
```

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

```
.background{ background-color: rgb(133,  
255, 241) }
```

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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