

# Converting Colors

Yxy(82.4113, 0.2473, 0.3296)

Have a look what the booklet for  
Yxy(82.4113, 0.2473, 0.3296)  
contains.

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# Color

**Yxy(82.4111, 0.2473, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EFEFD
RGB	126, 254, 253
RGB Percent	49%, 100%, 99%
CMY	0.5064, 0.0038, 0.0079
CMYK	0.50, 0.00, 0.00, 0.00
HSL	180°, 98%, 74%
HSV	180°, 50%, 100%
XYZ	61.7584, 82.4111, 105.5611
YIQ	215.6140, -75.9670, -27.4470

# Conversions

## Conversions Part 2

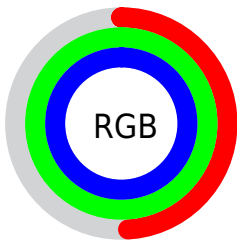
Format	Color
<a href="#">RYB</a>	126, 190, 254
Decimal	8322813
CIELab	92.76, -35.71, -10.43
CIELCh	93, 37.202, 196.290
Yxy	82.4111, 0.2473, 0.3300
Android (android.graphics.Color)	4286512893 (0xFF7EFEFD)
YUV	215.6140, 18.4313, -78.5915
Hunter-Lab	90.7806, -37.4317, -5.3970

# Details

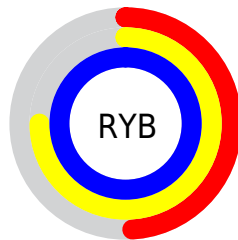
The Yxy color **82.4111, 0.2473, 0.3300** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.4950, 0.4567, 0.3284**, and the grayscale version is **68.2846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **44.8478, 0.2337, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.7113, 0.2392, 0.3302**, and if you desaturate by 10%, it is **84.6072, 0.2573, 0.3298**.

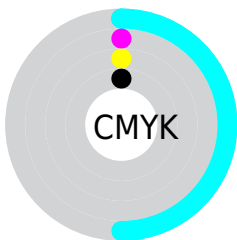
# Distribution



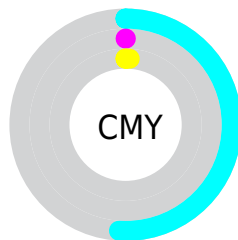
- Red (49%)
- Green (100%)
- Blue (99%)



- Red (49%)
- Yellow (75%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4111, 0.2473, 0.3300 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 82.4111, 0.2473, 0.3300 by changing the saturation by 10% instead.




 82.4111, 0.2473,  
0.3300


 82.4111, 0.2473,  
0.3300


503.0218, 0.2763,  
0.3303


 61.7045, 0.2410,  
0.3298


 136.7504, 0.2571,  
0.3302

 44.7939, 0.2334,  
0.3294


 171.1518, 0.2610,  
0.3303

 31.2951, 0.2240,  
0.3289


 210.8869, 0.2644,  
0.3303

 20.8237, 0.2121,  
0.3280

256.3401, 0.2673,  
0.3303

 12.9952, 0.1967,  
0.3264

307.8958, 0.2699,  
0.3303

 7.4252, 0.1759,  
0.3236

365.9383, 0.2723,

 3.7294, 0.1469,

0.3303

430.8522, 0.2744,  
0.3303

0.3180

1.5234, 0.0953,  
0.3086

0.3051, 0.0000,  
0.2227

82.4111, 0.2473,  
0.3300

82.4111, 0.2473,  
0.3300

80.7113, 0.2392,  
0.3302

84.6072, 0.2573,  
0.3298

79.4605, 0.2330,  
0.3305

87.3241, 0.2691,  
0.3296

78.6184, 0.2288,  
0.3308

90.5957, 0.2823,  
0.3294

78.1330, 0.2263,  
0.3310

94.4507, 0.2967,  
0.3292

■ 77.9230, 0.2254,  
0.3313

98.9155, 0.3120,  
0.3290

99.3275, 0.3132,  
0.3288

99.3408, 0.3131,  
0.3286

99.3541, 0.3130,  
0.3284

99.3674, 0.3129,  
0.3282

# Harmonies

## Analogous

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



82.4111, 0.2778, 0.3718



82.4111, 0.2473, 0.3300



82.4111, 0.2340, 0.2915

# Triad

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



82.4111, 0.2473, 0.3300



82.4111, 0.3017, 0.2685



82.4111, 0.3899, 0.3879

# Complementary

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



82.4111, 0.2473, 0.3300



37.4950, 0.4567, 0.3284

# 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.



82.4111, 0.3984, 0.3572



82.4111, 0.2473, 0.3300



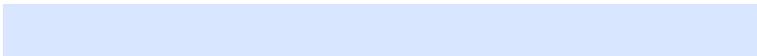
82.4111, 0.3455, 0.2909

# Square

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



82.4111, 0.2473, 0.3300



82.4111, 0.2636, 0.2596



82.4111, 0.3819, 0.3224



82.4111, 0.3602, 0.4055



# Rectangle

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



82.4111, 0.2473, 0.3300



82.4111, 0.2357, 0.2733



82.4111, 0.3819, 0.3224



82.4111, 0.3954, 0.3786

# Sweetspot

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



82.4143, 0.2473, 0.3300



93.4334, 0.2900, 0.3293



76.9908, 0.3062, 0.4900



19.8248, 0.2870, 0.3293



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.



82.4143, 0.2473, 0.3300



81.3368, 0.2388, 0.3303



49.3197, 0.2319, 0.2522



20.4788, 0.2981, 0.3292



41.0750, 0.2253, 0.3312



4.0001, 0.2253, 0.3309



# Inverse Universe

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



37.4950, 0.4567, 0.3284



31.2032, 0.5060, 0.3284



58.4647, 0.4208, 0.3931



17.9895, 0.3293, 0.3289



11.1122, 0.6392, 0.3295

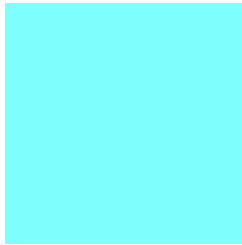


1.0828, 0.6373, 0.3284



# Previews

## White Background



This preview shows how the Yxy color 82.4111, 0.2473, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

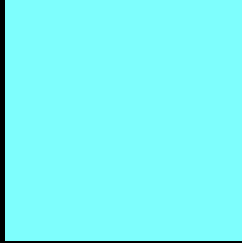
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4111, 0.2473, 0.3300 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 82.4111, 0.2473, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4111, 0.2473, 0.3300.

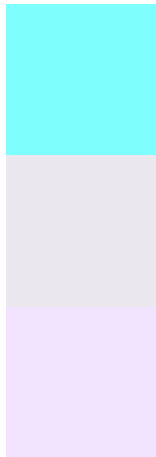


This preview shows how white text looks on a background with the Yxy color 82.4111, 0.2473, 0.3300.

# 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

82.4111, 0.2473, 0.3300

### Protanopia

81.0460, 0.3104, 0.3208

### Deuteranopia

81.0354, 0.3052, 0.3011



## Tritanopia

81.6355, 0.2713, 0.3159

# Trichromacy



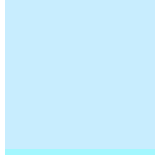
## Original Color

82.4111, 0.2473, 0.3300



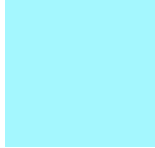
## Protanomaly

79.8668, 0.2823, 0.3235



## Deuteranomaly

80.0035, 0.2797, 0.3108



## Tritanomaly

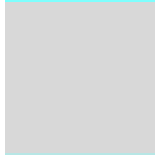
81.5698, 0.2616, 0.3211

# Monochromacy



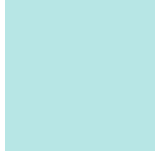
## Original Color

82.4111, 0.2473, 0.3300



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.3181, 0.2828, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4111, 0.2473, 0.3300 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(126, 254, 253)` looks like.

```
.text, #text, p{  
    color:rgb(126, 254, 253)  
}
```

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(126, 254, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 254, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4111, 0.2473, 0.3300 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(126, 254, 253) }
```

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

```
.border{ border-color:rgb(126, 254, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 254, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 254, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 254, 253);  
box-shadow:4px 4px 4px 4px rgb(126, 254,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4111, 0.2473, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 254, 253) }
```

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

```
.background{ background-color: rgb(126,  
254, 253) }
```

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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