

# Converting Colors

$Yxy(81.0670, 0.2478, 0.3478)$

Have a look what the booklet for  
Yxy(81.0670, 0.2478, 0.3478)  
contains.

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# Color

**Yxy(81.0670, 0.2478, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EFFFF
RGB	110, 255, 239
RGB Percent	43%, 100%, 94%
CMY	0.5691, 0.0000, 0.0628
CMYK	0.57, 0.00, 0.06, 0.00
HSL	173°, 100%, 72%
HSV	173°, 57%, 100%
XYZ	57.7585, 81.0670, 94.2596
YIQ	209.8210, -81.2840, -35.7160

# Conversions

## Conversions Part 2

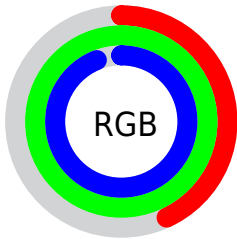
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 187, 255
Decimal	7274479
CIELab	92.16, -42.70, -4.13
CIELCh	92, 42.904, 185.520
Yxy	81.0670, 0.2478, 0.3478
Android (android.graphics.Color)	4285464559 (0xFF6EFFF)
YUV	209.8210, 14.3852, -87.5430
Hunter-Lab	90.0372, -43.0581, 0.9556

# Details

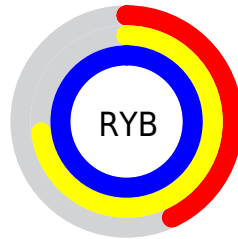
The Yxy color **81.0670, 0.2478, 0.3478** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.8907, 0.4680, 0.3137**, and the grayscale version is **64.2446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **44.0831, 0.2340, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **79.4894, 0.2416, 0.3516**, and if you desaturate by 10%, it is **83.1022, 0.2559, 0.3440**.

# Distribution



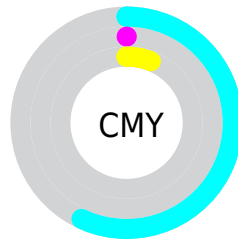
- Red (43%)
- Green (100%)
- Blue (94%)



- Red (43%)
- Yellow (73%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0670, 0.2478, 0.3478 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 81.0670, 0.2478, 0.3478 by changing the saturation by 10% instead.





 81.0670, 0.2478,  
0.3478


 81.0670, 0.2478,  
0.3478


498.5215, 0.2768,  
0.3397


 60.5968, 0.2414,  
0.3495


 134.8648, 0.2577,  
0.3451

 43.8998, 0.2337,  
0.3515

 168.9613, 0.2616,  
0.3440

 30.5918, 0.2240,  
0.3540


 208.3685, 0.2650,  
0.3431

 20.2882, 0.2118,  
0.3570

253.4710, 0.2679,  
0.3423

 12.6047, 0.1958,  
0.3608

304.6532, 0.2705,  
0.3415

 7.1569, 0.1741,  
0.3655


362.2994, 0.2729,


 3.5604, 0.1433,

0.3408

0.3714


426.7940, 0.2750,  
0.3402


 1.4308, 0.0648,  
0.3912


 0.2393, 0.0000,  
0.3035


 81.0670, 0.2478,  
0.3478

 81.0670, 0.2478,  
0.3478

 79.4894, 0.2416,  
0.3516


 83.1022, 0.2559,  
0.3440


 78.3507, 0.2374,  
0.3555

 85.6546, 0.2657,  
0.3404

 77.5943, 0.2351,  
0.3593

 88.7496, 0.2771,  
0.3370

 77.1582, 0.2345,  
0.3632

 92.4175, 0.2896,  
0.3338

 77.0592, 0.2345,  
0.3643

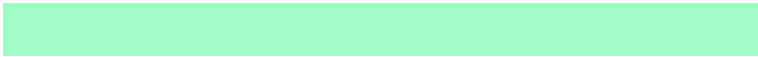
 96.6865, 0.3030,  
0.3309

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.



81.0670, 0.2881, 0.3941



81.0670, 0.2478, 0.3478



81.0670, 0.2254, 0.2995

# Triad

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



81.0670, 0.2478, 0.3478



81.0670, 0.2825, 0.2542



81.0670, 0.4088, 0.3844

# Complementary

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



81.0670, 0.2478, 0.3478



33.8907, 0.4680, 0.3137

# 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.



81.0670, 0.4087, 0.3462



81.0670, 0.2478, 0.3478



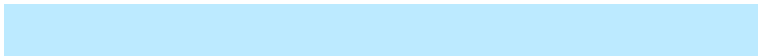
81.0670, 0.3323, 0.2747

# Square

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



81.0670, 0.2478, 0.3478



81.0670, 0.2442, 0.2502



81.0670, 0.3799, 0.3073

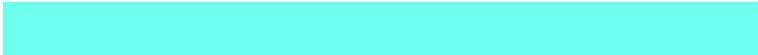


81.0670, 0.3817, 0.4125



# Rectangle

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



81.0670, 0.2478, 0.3478



81.0670, 0.2222, 0.2745



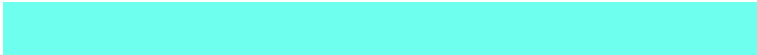
81.0670, 0.3799, 0.3073



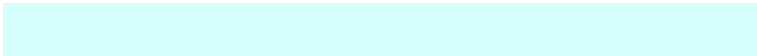
81.0670, 0.4121, 0.3723

# Sweetspot

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



81.0594, 0.2478, 0.3478



92.3810, 0.2895, 0.3339



77.1412, 0.3121, 0.5090



19.6057, 0.2869, 0.3345



0.0000, 0.0000, 0.0000

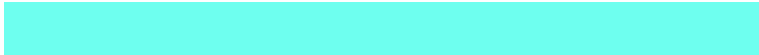


21.4041, 0.3127, 0.3290



# Same Dimension

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



81.0594, 0.2478, 0.3478



79.3449, 0.2410, 0.3520



51.5463, 0.2263, 0.2594



20.4449, 0.2995, 0.3316



40.2790, 0.2344, 0.3637



3.9313, 0.2332, 0.3593



# Inverse Universe

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



33.8907, 0.4680, 0.3137



28.1686, 0.5176, 0.3131



49.4789, 0.4489, 0.3856



18.0196, 0.3277, 0.3264



11.1633, 0.6272, 0.3229

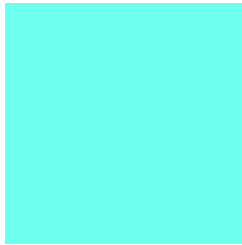


1.0970, 0.6045, 0.3104



# Previews

## White Background



This preview shows how the Yxy color 81.0670, 0.2478, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

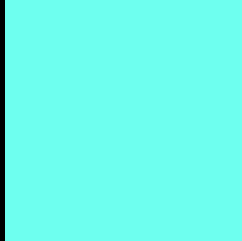
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.0670, 0.2478, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

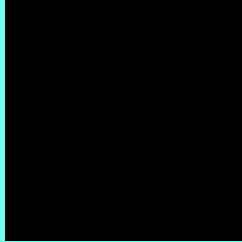
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

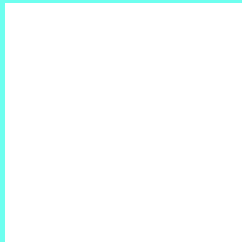
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.0670, 0.2478, 0.3478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0670, 0.2478, 0.3478.

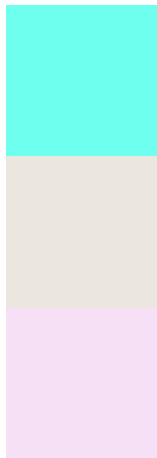


This preview shows how white text looks on a background with the Yxy color 81.0670, 0.2478, 0.3478.

# 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

81.0670, 0.2478, 0.3478

### Protanopia

79.8083, 0.3207, 0.3353

### Deuteranopia

79.5580, 0.3137, 0.3070



## Tritanopia

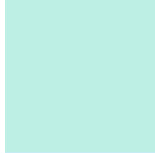
80.0714, 0.2669, 0.3146

# Trichromacy



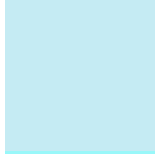
## Original Color

81.0670, 0.2478, 0.3478



## Protanomaly

78.3373, 0.2876, 0.3401



## Deuteranomaly

77.7580, 0.2838, 0.3202



## Tritanomaly

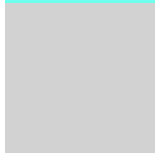
80.1334, 0.2588, 0.3266

# Monochromacy



## Original Color

81.0670, 0.2478, 0.3478



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

68.6118, 0.2816, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0670, 0.2478, 0.3478 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(110, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 239)  
}
```

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(110, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0670, 0.2478, 0.3478 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(110, 255, 239) }
```

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

```
.border{ border-color:rgb(110, 255, 239) }
```

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

Here you see how a box with a 4 pixel rgb(110, 255, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0670, 0.2478, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 239) }
```

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

```
.background{ background-color: rgb(110,  
255, 239) }
```

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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