

# Converting Colors

$Yxy(80.3548, 0.2593, 0.3447)$

Have a look what the booklet for  
Yxy(80.3548, 0.2593, 0.3447)  
contains.

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# Color

**Yxy(80.0611, 0.2590, 0.3440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CFAED
RGB	140, 250, 237
RGB Percent	55%, 98%, 93%
CMY	0.4512, 0.0196, 0.0706
CMYK	0.44, 0.00, 0.05, 0.02
HSL	173°, 92%, 76%
HSV	173°, 44%, 98%
XYZ	60.2786, 80.0611, 92.3961
YIQ	215.6280, -61.3870, -27.3630

# Conversions

## Conversions Part 2

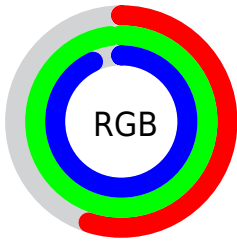
Format	Color
<a href="#">RYB</a>	<a href="#">140, 198, 250</a>
Decimal	<a href="#">9239277</a>
CIELab	<a href="#">91.71, -34.70, -3.64</a>
CIELCh	<a href="#">92, 34.886, 185.985</a>
Yxy	<a href="#">80.0611, 0.2590, 0.3440</a>
Android (android.graphics.Color)	<a href="#">4287429357 (0xFF8CFAED)</a>
YUV	<a href="#">215.6280, 10.5364, -66.3258</a>
Hunter-Lab	<a href="#">89.4769, -36.3331, 1.4094</a>

# Details

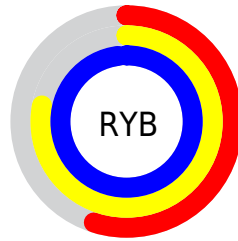
The Yxy color **80.0611, 0.2590, 0.3440** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.3631, 0.4159, 0.3154**, and the grayscale version is **68.3535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **43.1816, 0.2471, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **77.9634, 0.2504, 0.3480**, and if you desaturate by 10%, it is **82.6613, 0.2692, 0.3402**.

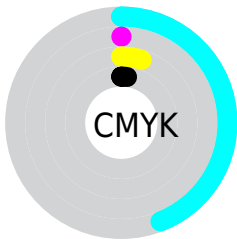
# Distribution



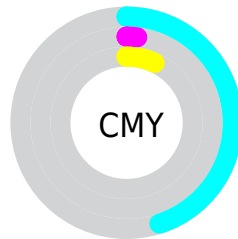
- Red (55%)
- Green (98%)
- Blue (93%)



- Red (55%)
- Yellow (78%)
- Blue (98%)



- Cyan (44%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)




- Cyan (45%)
- Magenta (2%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0611, 0.2590, 0.3440 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 80.0611, 0.2590, 0.3440 by changing the saturation by 10% instead.




 80.0611, 0.2590,  
0.3440


 80.0611, 0.2590,  
0.3440

495.1387, 0.2832,  
0.3375

 59.7686, 0.2537,  
0.3454


 133.4516, 0.2672,  
0.3418

 43.2322, 0.2471,  
0.3471


 167.3185, 0.2705,  
0.3409

 30.0673, 0.2390,  
0.3491


206.4789, 0.2733,  
0.3402

 19.8897, 0.2286,  
0.3516

251.3173, 0.2758,  
0.3395

 12.3149, 0.2149,  
0.3548

302.2181, 0.2779,  
0.3389

 6.9585, 0.1960,  
0.3590


359.5657, 0.2799,


 3.4362, 0.1685,


0.3384


423.7444, 0.2816,  
0.3379

0.3644


 1.3635, 0.1071,  
0.3788

 0.1896, 0.0000,  
0.2915


 80.0611, 0.2590,  
0.3440


 80.0611, 0.2590,  
0.3440


 77.9634, 0.2504,  
0.3480


 82.6613, 0.2692,  
0.3402


 76.3247, 0.2437,  
0.3521

 85.7850, 0.2808,  
0.3366


 75.1101, 0.2390,  
0.3562


 89.4638, 0.2936,  
0.3332

 74.2754, 0.2362,  
0.3604

 93.7237, 0.3071,  
0.3302

 73.7665, 0.2352,  
0.3645

 96.6539, 0.3148,  
0.3273

 73.5712, 0.2353,  
0.3670

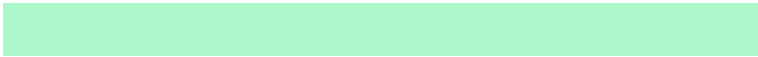
 96.8426, 0.3131,  
0.3245

 96.8597, 0.3129,  
0.3243

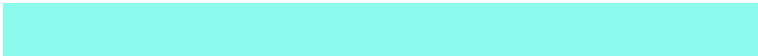
# Harmonies

## Analogous

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



80.0611, 0.2925, 0.3809



80.0611, 0.2590, 0.3440



80.0611, 0.2402, 0.3051

# Triad

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



80.0611, 0.2590, 0.3440



80.0611, 0.2888, 0.2669



80.0611, 0.3912, 0.3760

# Complementary

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



80.0611, 0.2590, 0.3440



41.3631, 0.4159, 0.3154

# 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.



80.0611, 0.3911, 0.3447



80.0611, 0.2590, 0.3440



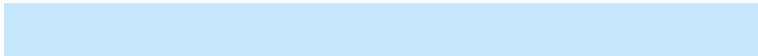
80.0611, 0.3297, 0.2842

# Square

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



80.0611, 0.2590, 0.3440



80.0611, 0.2565, 0.2636



80.0611, 0.3680, 0.3119



80.0611, 0.3693, 0.3978



# Rectangle

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



80.0611, 0.2590, 0.3440



80.0611, 0.2376, 0.2844



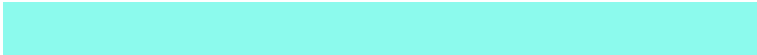
80.0611, 0.3680, 0.3119



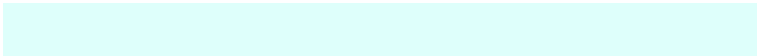
80.0611, 0.3938, 0.3662

# Sweetspot

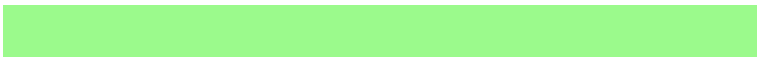
The Sweet Spot groups the original color and five complimentary colors.



80.0643, 0.2590, 0.3440



93.9961, 0.2949, 0.3329



77.2019, 0.3145, 0.4637



19.9232, 0.2920, 0.3336



0.0000, 0.0000, 0.0000

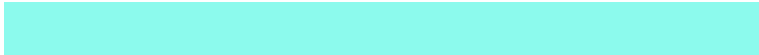


21.4041, 0.3127, 0.3290



# Same Dimension

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



80.0643, 0.2590, 0.3440



81.7357, 0.2512, 0.3476



58.3951, 0.2448, 0.2801



19.5712, 0.2996, 0.3318



39.0338, 0.2351, 0.3663



3.6249, 0.2337, 0.3614



# Inverse Universe

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



41.3631, 0.4159, 0.3154



36.4296, 0.4503, 0.3132



54.9818, 0.4098, 0.3722



17.2586, 0.3275, 0.3262



10.8396, 0.6257, 0.3221

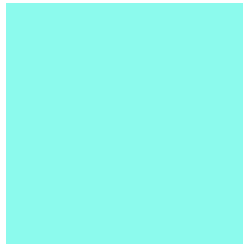


1.0143, 0.6007, 0.3083



# Previews

## White Background



This preview shows how the Yxy color 80.0611, 0.2590, 0.3440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

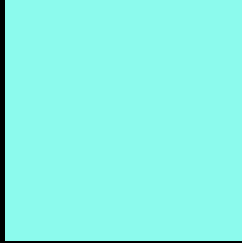
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.0611, 0.2590, 0.3440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

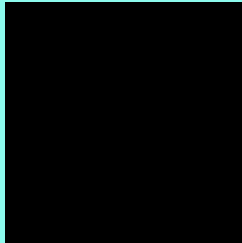
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.0611, 0.2590, 0.3440**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.0611, 0.2590, 0.3440.

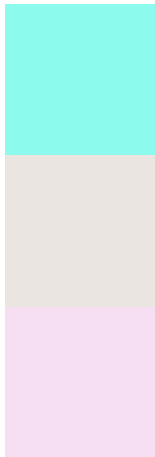


This preview shows how white text looks on a background with the Yxy color 80.0611, 0.2590, 0.3440.

# 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

80.0611, 0.2590, 0.3440

### Protanopia

79.1370, 0.3194, 0.3332

### Deuteranopia

78.8392, 0.3157, 0.3090



## Tritanopia

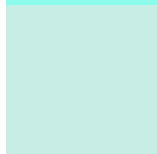
79.7143, 0.2679, 0.3136

# Trichromacy



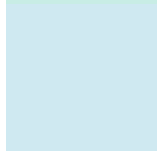
## Original Color

80.0611, 0.2590, 0.3440



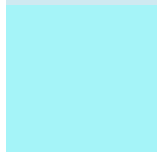
## Protanomaly

78.5049, 0.2936, 0.3377



## Deuteranomaly

77.8941, 0.2909, 0.3203



## Tritanomaly

79.4780, 0.2645, 0.3244

# Monochromacy



## Original Color

80.0611, 0.2590, 0.3440



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.5600, 0.2887, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.0611, 0.2590, 0.3440 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(140, 250, 237)` looks like.

```
.text, #text, p{  
    color:rgb(140, 250, 237)  
}
```

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(140, 250, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 250, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 80.0611, 0.2590, 0.3440 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(140, 250, 237) }
```

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

```
.border{ border-color:rgb(140, 250, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 250, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 250, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 250, 237);  
box-shadow:4px 4px 4px 4px rgb(140, 250,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.0611, 0.2590, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 250, 237) }
```

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

```
.background{ background-color: rgb(140,  
250, 237) }
```

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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