

# Converting Colors

$Yxy(80.9772, 0.2731, 0.3776)$

Have a look what the booklet for  
Yxy(80.9772, 0.2731, 0.3776)  
contains.

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**Color**

**Yxy(80.9333, 0.2731, 0.3777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90FDD4
RGB	144, 253, 212
RGB Percent	56%, 99%, 83%
CMY	0.4350, 0.0079, 0.1686
CMYK	0.43, 0.00, 0.16, 0.01
HSL	157°, 96%, 78%
HSV	157°, 43%, 99%
XYZ	58.5197, 80.9333, 74.8263
YIQ	215.7350, -51.8030, -35.8590

# Conversions

## Conversions Part 2

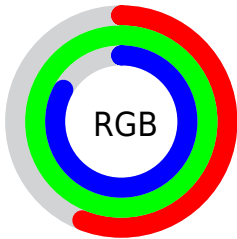
Format	Color
<a href="#">RYB</a>	<a href="#">144, 211, 253</a>
Decimal	<a href="#">9502164</a>
CIELab	<a href="#">92.10, -40.60, 9.89</a>
CIELCh	<a href="#">92, 41.783, 166.309</a>
Yxy	<a href="#">80.9333, 0.2731, 0.3777</a>
Android (android.graphics.Color)	<a href="#">4287692244</a> ( <a href="#">0xFF90FDD4</a> )
YUV	<a href="#">215.7350, -1.8414, -62.9116</a>
Hunter-Lab	<a href="#">89.9629, -41.3233, 13.6598</a>

# Details

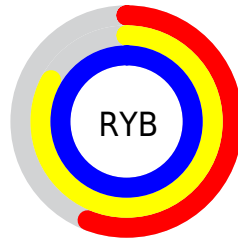
The Yxy color **80.9333, 0.2731, 0.3777** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.3553, 0.3823, 0.2862**, and the grayscale version is **68.5316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **43.8926, 0.2640, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **78.4402, 0.2666, 0.3915**, and if you desaturate by 10%, it is **83.9718, 0.2810, 0.3647**.

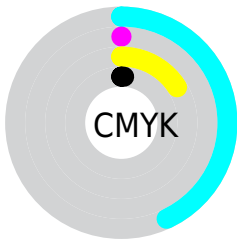
# Distribution



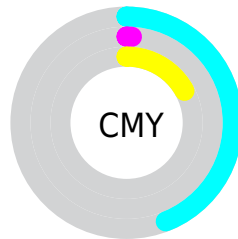
- Red (56%)
- Green (99%)
- Blue (83%)



- Red (56%)
- Yellow (83%)
- Blue (99%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (1%)




- Cyan (44%)
- Magenta (1%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9333, 0.2731, 0.3777 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 80.9333, 0.2731, 0.3777 by changing the saturation by 10% instead.





 80.9333, 0.2731,  
0.3777

 80.9333, 0.2731,  
0.3777


498.0726, 0.2914,  
0.3548

 60.4867, 0.2689,  
0.3830


 134.6771, 0.2794,  
0.3697

 43.8110, 0.2638,  
0.3896


 168.7431, 0.2819,  
0.3666

 30.5220, 0.2573,  
0.3980


208.1176, 0.2840,  
0.3640

 20.2351, 0.2488,  
0.4091

253.1851, 0.2859,  
0.3617

 12.5661, 0.2373,  
0.4244

304.3299, 0.2875,  
0.3596

 7.1304, 0.2209,  
0.4468


361.9365, 0.2890,


 3.5438, 0.1956,


0.3578


426.3893, 0.2903,  
0.3563


0.4824


 1.4218, 0.1143,  
0.5753


 0.2327, 0.0000,  
1.0000


 80.9333, 0.2731,  
0.3777


 80.9333, 0.2731,  
0.3777


 78.4402, 0.2666,  
0.3915


 83.9718, 0.2810,  
0.3647


 76.4476, 0.2618,  
0.4059

 87.5775, 0.2899,  
0.3527

 74.9197, 0.2589,  
0.4206

 91.7831, 0.2995,  
0.3417

 73.8109, 0.2581,  
0.4355

 96.6157, 0.3096,  
0.3318

■ 73.0665, 0.2593,  
0.4500

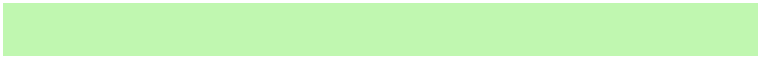
98.7271, 0.3128,  
0.3271

■ 72.7084, 0.2611,  
0.4599

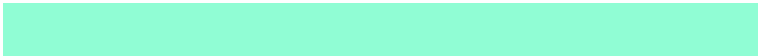
# Harmonies

## Analogous

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



80.9333, 0.3193, 0.4107



80.9333, 0.2731, 0.3777



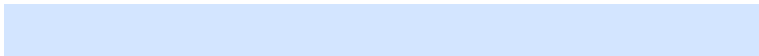
80.9333, 0.2392, 0.3297

# Triad

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



80.9333, 0.2731, 0.3777



80.9333, 0.2575, 0.2514



80.9333, 0.4096, 0.3599

# Complementary

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



80.9333, 0.2731, 0.3777



44.3553, 0.3823, 0.2862

# 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.



80.9333, 0.3911, 0.3212



80.9333, 0.2731, 0.3777



80.9333, 0.3001, 0.2615

# Square

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



80.9333, 0.2731, 0.3777



80.9333, 0.2310, 0.2592



80.9333, 0.3496, 0.2863

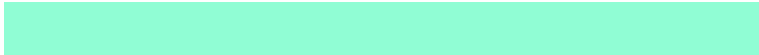


80.9333, 0.3996, 0.3947



# Rectangle

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



80.9333, 0.2731, 0.3777



80.9333, 0.2271, 0.2993



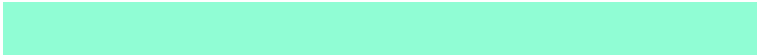
80.9333, 0.3496, 0.2863



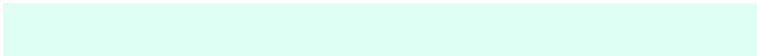
80.9333, 0.4066, 0.3470

# Sweetspot

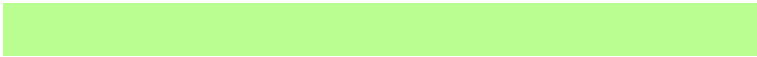
The Sweet Spot groups the original color and five complimentary colors.



80.9366, 0.2731, 0.3777



93.4683, 0.2996, 0.3417



82.6802, 0.3313, 0.4537



19.7920, 0.2974, 0.3440



0.0000, 0.0000, 0.0000

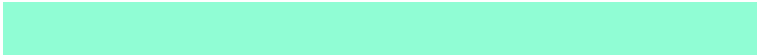


21.4041, 0.3127, 0.3290

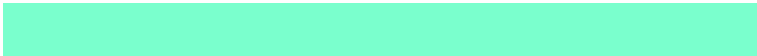


# Same Dimension

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



80.9366, 0.2731, 0.3777



80.0994, 0.2672, 0.3900



75.5165, 0.2517, 0.3142



20.3587, 0.3030, 0.3381



38.7093, 0.2604, 0.4576



3.7902, 0.2559, 0.4412



# Inverse Universe

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



44.3553, 0.3823, 0.2862



38.2676, 0.4049, 0.2781



46.9368, 0.4204, 0.3427



18.1002, 0.3235, 0.3201



11.5763, 0.5480, 0.2792

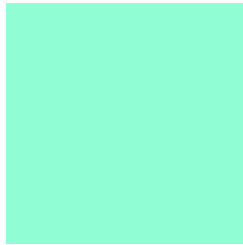


1.1475, 0.5171, 0.2622



# Previews

## White Background



This preview shows how the Yxy color 80.9333, 0.2731, 0.3777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

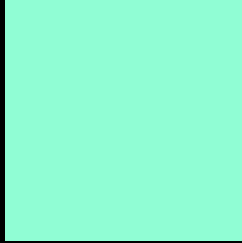
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9333, 0.2731, 0.3777 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 80.9333, 0.2731, 0.3777**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9333, 0.2731, 0.3777.

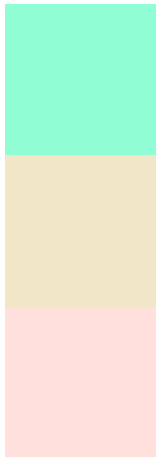


This preview shows how white text looks on a background with the Yxy color 80.9333, 0.2731, 0.3777.

# 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

80.9333, 0.2731, 0.3777

### Protanopia

79.6410, 0.3409, 0.3603

### Deuteranopia

79.7386, 0.3376, 0.3331



## Tritanopia

80.4449, 0.2711, 0.3137

# Trichromacy



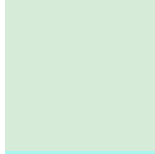
## Original Color

80.9333, 0.2731, 0.3777



## Protanomaly

78.6305, 0.3123, 0.3669



## Deuteranomaly

78.8735, 0.3105, 0.3485



## Tritanomaly

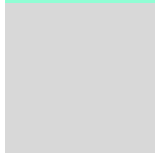
80.0829, 0.2716, 0.3356

# Monochromacy



## Original Color

80.9333, 0.2731, 0.3777



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.8921, 0.2953, 0.3451

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9333, 0.2731, 0.3777 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(144, 253, 212)` looks like.

```
.text, #text, p{  
    color:rgb(144, 253, 212)  
}
```

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(144, 253, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 253, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9333, 0.2731, 0.3777 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(144, 253, 212) }
```

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

```
.border{ border-color:rgb(144, 253, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 253, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 253, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 253, 212);  
box-shadow:4px 4px 4px 4px rgb(144, 253,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9333, 0.2731, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 253, 212) }
```

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

```
.background{ background-color: rgb(144,  
253, 212) }
```

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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