

# Converting Colors

Yxy(80.2019, 0.2855, 0.3711)

Have a look what the booklet for  
Yxy(80.2019, 0.2855, 0.3711)  
contains.

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# Color

**Yxy(80.3233, 0.2853, 0.3707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9F8D4
RGB	169, 248, 212
RGB Percent	66%, 97%, 83%
CMY	0.3371, 0.0275, 0.1686
CMYK	0.32, 0.00, 0.15, 0.03
HSL	153°, 85%, 82%
HSV	153°, 32%, 97%
XYZ	61.8188, 80.3233, 74.5379
YIQ	220.2750, -35.5280, -27.9440

# Conversions

## Conversions Part 2

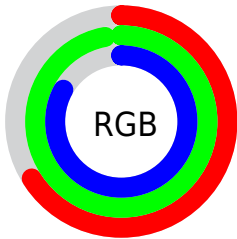
Format	Color
<b>RYB</b>	169, 220, 248
Decimal	11139284
CIELab	91.83, -31.57, 9.65
CIELCh	92, 33.015, 163.010
Yxy	80.3233, 0.2853, 0.3707
Android (android.graphics.Color)	4289329364 (0xFFA9F8D4)
YUV	220.2750, -4.0796, -44.9682
Hunter-Lab	89.6233, -33.7180, 13.4259

# Details

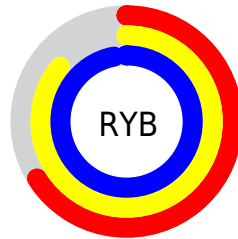
The Yxy color **80.3233, 0.2853, 0.3707** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.7531, 0.3527, 0.2910**, and the grayscale version is **71.8266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **43.2733, 0.2789, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **77.2876, 0.2781, 0.3865**, and if you desaturate by 10%, it is **83.9258, 0.2934, 0.3561**.

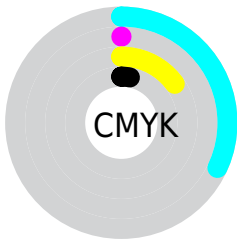
# Distribution



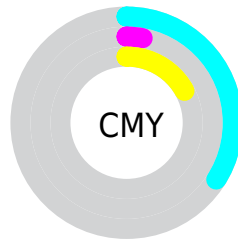
- Red (66%)
- Green (97%)
- Blue (83%)



- Red (66%)
- Yellow (86%)
- Blue (97%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)




- Cyan (34%)
- Magenta (3%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3233, 0.2853, 0.3707 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 80.3233, 0.2853, 0.3707 by changing the saturation by 10% instead.




 80.3233, 0.2853,  
0.3707

 80.3233, 0.2853,  
0.3707


496.0217, 0.2980,  
0.3512

 59.9844, 0.2824,  
0.3752


 133.8202, 0.2897,  
0.3639

 43.4061, 0.2788,  
0.3809


167.7470, 0.2914,  
0.3612

 30.2039, 0.2742,  
0.3880


206.9719, 0.2929,  
0.3590

 19.9934, 0.2682,  
0.3975

251.8793, 0.2942,  
0.3570

 12.3902, 0.2600,  
0.4106

302.8536, 0.2953,  
0.3553

 7.0100, 0.2481,  
0.4298


360.2791, 0.2963,


 3.4684, 0.2294,


0.3537


0.4604


424.5404, 0.2972,  
0.3524

 1.3809, 0.1819,  
0.5298

 0.2026, 0.0000,  
1.0000


 80.3233, 0.2853,  
0.3707

 80.3233, 0.2853,  
0.3707


 77.2876, 0.2781,  
0.3865


 83.9258, 0.2934,  
0.3561


 74.7784, 0.2722,  
0.4034

 88.1131, 0.3020,  
0.3429

 72.7657, 0.2678,  
0.4210

 92.9145, 0.3110,  
0.3310

 71.2125, 0.2654,  
0.4391

 95.6140, 0.3130,  
0.3223

■ 70.0759, 0.2649,  
0.4571

■ 69.3047, 0.2665,  
0.4747

■ 68.8825, 0.2690,  
0.4884

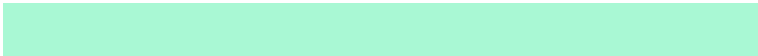
# Harmonies

## Analogous

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



80.3233, 0.3229, 0.3943



80.3233, 0.2853, 0.3707



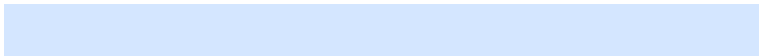
80.3233, 0.2562, 0.3343

# Triad

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



80.3233, 0.2853, 0.3707



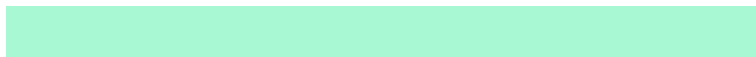
80.3233, 0.2655, 0.2664



80.3233, 0.3888, 0.3514

# Complementary

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



80.3233, 0.2853, 0.3707



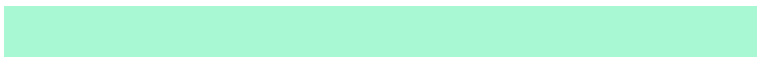
52.7531, 0.3527, 0.2910

# 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.



80.3233, 0.3718, 0.3200



80.3233, 0.2853, 0.3707



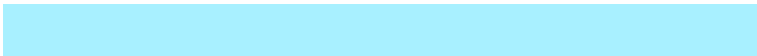
80.3233, 0.2988, 0.2728

# Square

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



80.3233, 0.2853, 0.3707



80.3233, 0.2455, 0.2751



80.3233, 0.3380, 0.2920



80.3233, 0.3838, 0.3797



# Rectangle

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



80.3233, 0.2853, 0.3707



80.3233, 0.2450, 0.3099



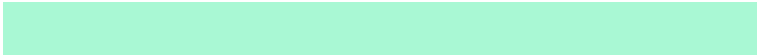
80.3233, 0.3380, 0.2920



80.3233, 0.3855, 0.3409

# Sweetspot

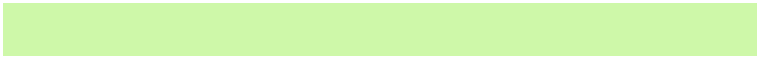
The Sweet Spot groups the original color and five complimentary colors.



80.3266, 0.2853, 0.3707



94.7543, 0.3037, 0.3407



83.1050, 0.3318, 0.4169



20.1350, 0.3024, 0.3424



0.0000, 0.0000, 0.0000

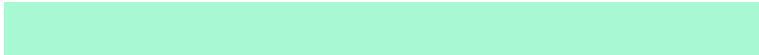


21.4041, 0.3127, 0.3290

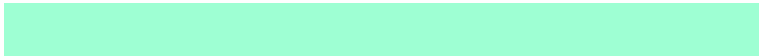


# Same Dimension

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



80.3266, 0.2853, 0.3707



83.4942, 0.2807, 0.3804



80.7427, 0.2667, 0.3259



19.4673, 0.3041, 0.3400



37.2395, 0.2683, 0.4858



3.4704, 0.2626, 0.4654



# Inverse Universe

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



52.7531, 0.3527, 0.2910



50.0246, 0.3636, 0.2834



52.1996, 0.3853, 0.3321



17.3568, 0.3222, 0.3182



11.4524, 0.5150, 0.2611

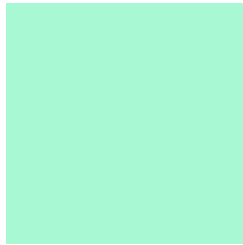


1.0818, 0.4859, 0.2451



# Previews

## White Background



This preview shows how the Yxy color 80.3233, 0.2853, 0.3707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

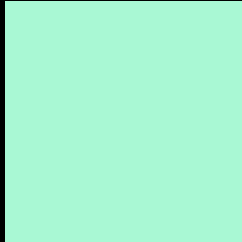
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.3233, 0.2853, 0.3707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

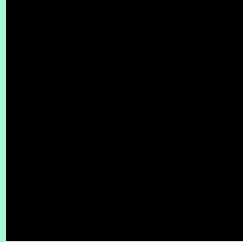
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.3233, 0.2853, 0.3707**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.3233, 0.2853, 0.3707.

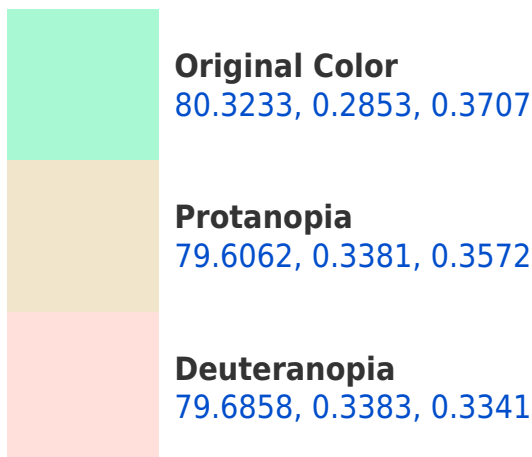


This preview shows how white text looks on a background with the Yxy color 80.3233, 0.2853, 0.3707.

# 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





## Tritanopia

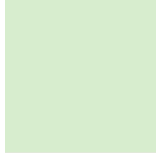
80.0294, 0.2742, 0.3117

# Trichromacy



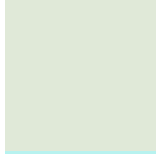
## Original Color

80.3233, 0.2853, 0.3707



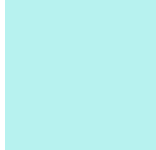
## Protanomaly

79.4717, 0.3171, 0.3629



## Deuteranomaly

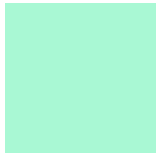
79.0830, 0.3173, 0.3472



## Tritanomaly

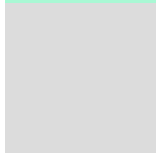
79.8035, 0.2783, 0.3322

# Monochromacy



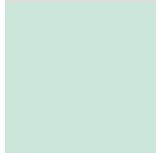
## Original Color

80.3233, 0.2853, 0.3707



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

74.0209, 0.3013, 0.3436

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.3233, 0.2853, 0.3707 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(169, 248, 212)` looks like.

```
.text, #text, p{  
    color:rgb(169, 248, 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(169, 248, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 248, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 80.3233, 0.2853, 0.3707 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(169, 248, 212) }
```

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

```
.border{ border-color:rgb(169, 248, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 248, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 248, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 248, 212);  
box-shadow:4px 4px 4px 4px rgb(169, 248,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.3233, 0.2853, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 248, 212) }
```

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

```
.background{ background-color: rgb(169,  
248, 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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