

# Converting Colors

XYZ(77.7101, 100.0000,  
86.8100)

Have a look what the booklet for  
XYZ(77.7101, 100.0000, 86.8100)  
contains.

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# Color

**XYZ(71.9931, 88.6131,  
85.2611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3FFE2
RGB	195, 255, 226
RGB Percent	76%, 100%, 89%
CMY	0.2353, 0.0000, 0.1137
CMYK	0.24, 0.00, 0.11, 0.00
HSL	151°, 100%, 88%
HSV	151°, 24%, 100%
XYZ	71.9931, 88.6131, 85.2611
YIQ	233.7540, -26.4510, -21.7390

# Conversions

## Conversions Part 2

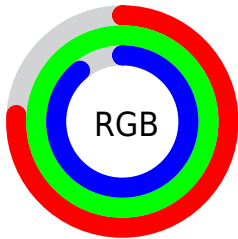
Format	Color
<a href="#">RYB</a>	<a href="#">195, 235, 255</a>
Decimal	<a href="#">12845026</a>
CIELab	<a href="#">95.42, -24.47, 7.76</a>
CIElCh	<a href="#">95, 25.673, 162.412</a>
Yxy	<a href="#">88.6131, 0.2928, 0.3604</a>
Android (android.graphics.Color)	<a href="#">4291035106</a> ( <a href="#">0xFFC3FFE2</a> )
YUV	<a href="#">233.7540, -3.8227, -33.9873</a>
Hunter-Lab	<a href="#">94.1345, -28.2205, 12.1930</a>

# Details

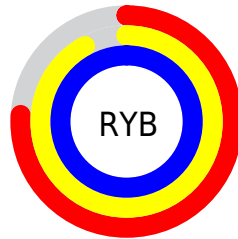
The XYZ color **71.9931, 88.6131, 85.2611** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.2101, 65.6729, 79.2858**, and the grayscale version is **78.0627, 82.1280, 89.4374**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **38.3600, 48.9039, 45.9457** is the 20% darker color. If you saturate the color by 10%, you get **64.3265, 84.8492, 76.3897**, and if you desaturate by 10%, it is **80.9080, 93.0063, 94.8284**.

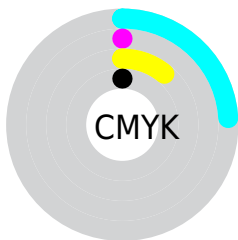
# Distribution



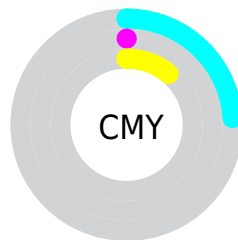
- Red (76%)
- Green (100%)
- Blue (89%)



- Red (76%)
- Yellow (92%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9931, 88.6131, 85.2611 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 XYZ color 71.9931, 88.6131, 85.2611 by changing the saturation by 10% instead.




 71.9931, 88.6131,  
85.2611

 71.9931, 88.6131,  
85.2611

456.6756,  
523.5089, 532.6587

 53.4385, 66.8309,  
63.5058


121.0576,  
145.4104, 142.6153

 38.3818, 48.9472,  
45.8069


152.2981,  
181.1944, 179.0513

 26.4577, 34.5776,  
31.7459


188.4981,  
222.4144, 221.2178

 17.3008, 23.3377,  
20.9043

230.0227,  
269.4548, 269.5335

 10.5458, 14.8431,  
12.8635

277.2374,  
322.7001, 324.4169

 5.8274, 8.7093,  
7.2050

330.5076,

 2.7801, 4.5521,

382.5346, 386.2866

3.5102

390.1985,  
449.3428, 455.5610

■ 1.0385, 1.9869,  
1.3607

■ 0.0000, 0.5999,  
0.1108

■ 71.9931, 88.6131,  
85.2611

■ 71.9931, 88.6131,  
85.2611

■ 64.3265, 84.8492,  
76.3897

■ 80.9080, 93.0063,  
94.8284

■ 57.8461, 81.6831,  
68.1938

■ 91.1243, 98.0562,  
105.1026

■ 52.4879, 79.0821,  
60.6582

■ 95.0500, 100.0000,  
108.9000

■ 48.1807, 77.0098,  
53.7653

■ 44.8444, 75.4252,  
47.4967

■ 42.3869, 74.2811,  
41.8329

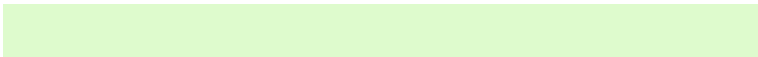
■ 40.6961, 73.5201,  
36.7526

■ 39.9081, 73.1792,  
33.7634

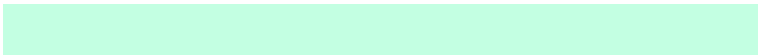
# Harmonies

## Analogous

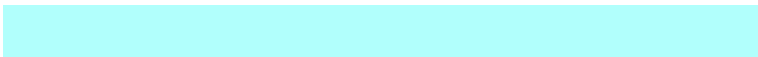
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4384, 88.6131, 70.6490



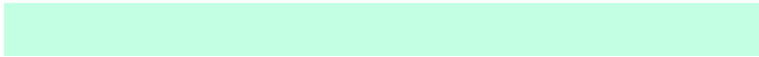
71.9931, 88.6131, 85.2611



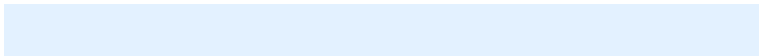
71.7091, 88.6131, 105.0405

# Triad

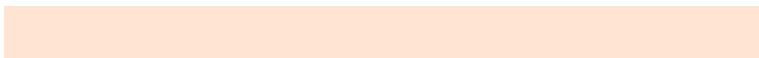
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9931, 88.6131, 85.2611



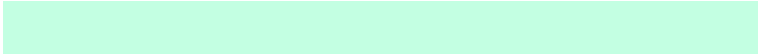
87.1609, 88.6131, 139.4103



94.5956, 88.6131, 72.6749

# Complementary

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



71.9931, 88.6131, 85.2611



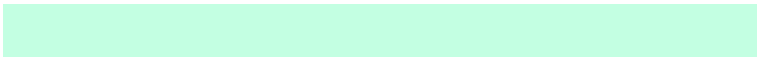
74.2101, 65.6729, 79.2858

# 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.



98.1165, 88.6131, 88.4064



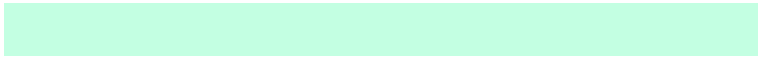
71.9931, 88.6131, 85.2611



93.6667, 88.6131, 127.9566

# Square

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



71.9931, 88.6131, 85.2611



80.2081, 88.6131, 138.2579



97.7674, 88.6131, 108.6522

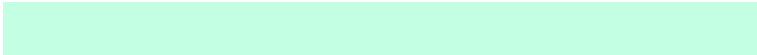


88.3719, 88.6131, 64.1071



# Rectangle

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



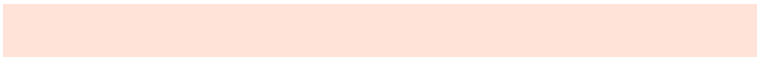
71.9931, 88.6131, 85.2611



73.3278, 88.6131, 118.7403



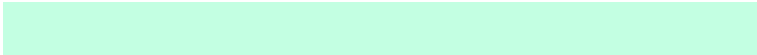
97.7674, 88.6131, 108.6522



96.1496, 88.6131, 77.1996

# Sweetspot

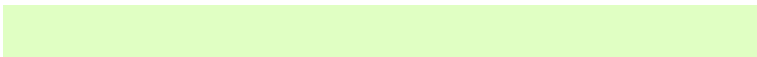
The Sweet Spot groups the original color and five complimentary colors.



71.9939, 88.6134, 85.2625



87.4270, 96.2271, 101.4549



76.3513, 91.3077, 65.2308



18.5789, 20.5303, 21.5817



0.0000, 0.0000, 0.0000

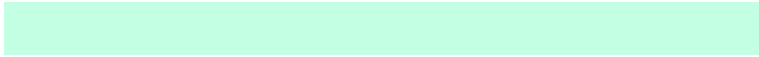


20.3446, 21.4041, 23.3091

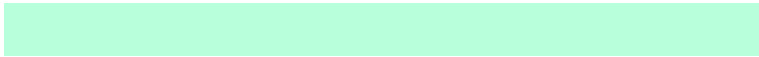


# Same Dimension

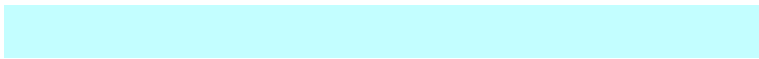
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9939, 88.6134, 85.2625



68.4149, 86.8544, 81.2105



75.9980, 89.7060, 107.9172



18.1635, 20.3249, 21.1637



20.9287, 38.2681, 18.0417



2.0930, 3.7481, 2.0475



# Inverse Universe

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



74.2101, 65.6729, 79.2858



70.9666, 60.4427, 74.3306



70.8309, 64.6809, 60.3823



18.3751, 18.1334, 20.5926



23.4996, 11.8891, 11.2813

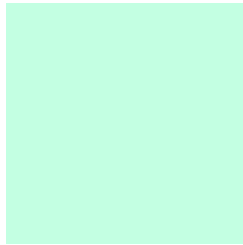


2.3430, 1.1796, 1.3875



# Previews

## White Background



This preview shows how the XYZ color 71.9931, 88.6131, 85.2611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

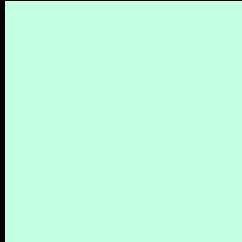
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9931, 88.6131, 85.2611 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

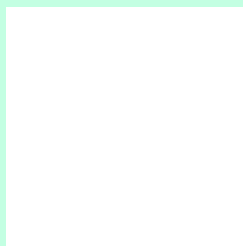
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.9931, 88.6131, 85.2611**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.9931, 88.6131, 85.2611.



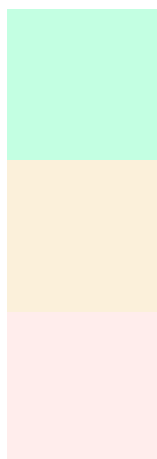
This preview shows how white text looks on a background with the XYZ color 71.9931, 88.6131,

85.2611.

# 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

71.9931, 88.6131, 85.2611

### Protanopia

83.5986, 87.8914, 78.8883

### Deuteranopia

86.6645, 87.8845, 91.7526



## Tritanopia

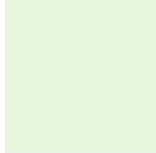
81.4429, 88.3721, 107.3728

# Trichromacy



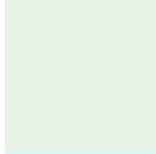
## Original Color

71.9931, 88.6131, 85.2611



## Protanomaly

78.6585, 87.5142, 81.1528



## Deuteranomaly

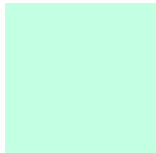
80.5204, 87.8512, 89.0570



## Tritanomaly

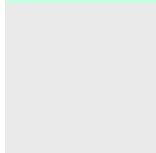
77.6454, 88.4292, 98.5641

# Monochromacy



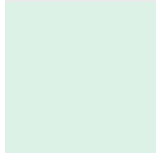
## Original Color

71.9931, 88.6131, 85.2611



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.6911, 84.4894, 87.9200

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9931, 88.6131, 85.2611 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(195, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 226)  
}
```

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(195, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9931, 88.6131, 85.2611 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(195, 255, 226) }
```



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

```
.border{ border-color:rgb(195, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 255, 226); box-shadow:4px 4px 4px 4px rgb(195, 255, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9931, 88.6131, 85.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 226) }
```

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

```
.background{ background-color: rgb(195,  
255, 226) }
```

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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