

# Converting Colors

XYZ(78.2873, 101.1874,  
88.3588)

Have a look what the booklet for  
XYZ(78.2873, 101.1874, 88.3588)  
contains.

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# Color

**XYZ(71.8733, 88.5354,  
85.9740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2FFE3
RGB	194, 255, 227
RGB Percent	76%, 100%, 89%
CMY	0.2392, 0.0000, 0.1098
CMYK	0.24, 0.00, 0.11, 0.00
HSL	152°, 100%, 88%
HSV	152°, 24%, 100%
XYZ	71.8733, 88.5354, 85.9740
YIQ	233.5690, -27.3680, -21.6400

# Conversions

## Conversions Part 2

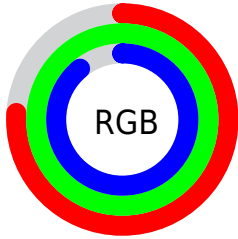
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 234, 255
Decimal	12779491
CIELab	95.39, -24.59, 7.19
CIELCh	95, 25.615, 163.700
Yxy	88.5354, 0.2917, 0.3593
Android (android.graphics.Color)	4290969571 (0xFFC2FFE3)
YUV	233.5690, -3.2385, -34.7020
Hunter-Lab	94.0933, -28.3156, 11.6914

# Details

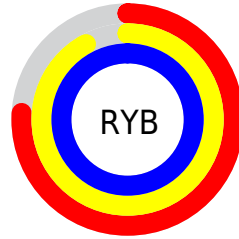
The XYZ color **71.8733, 88.5354, 85.9740** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.7171, 65.1185, 77.7913**, and the grayscale version is **77.9192, 81.9771, 89.2730**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **38.2879, 48.8557, 46.4418** is the 20% darker color. If you saturate the color by 10%, you get **64.3196, 84.8217, 77.4728**, and if you desaturate by 10%, it is **80.6614, 92.8728, 95.1091**.

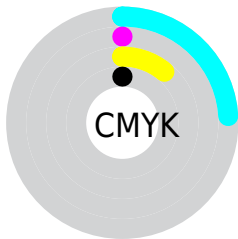
# Distribution



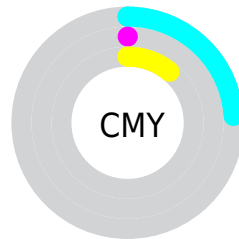
- Red (76%)
- Green (100%)
- Blue (89%)



- 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 71.8733, 88.5354, 85.9740 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 71.8733, 88.5354, 85.9740 by changing the saturation by 10% instead.





 71.8733, 88.5354,  
85.9740

 71.8733, 88.5354,  
85.9740


456.2650,  
523.2550, 535.0739

 53.3403, 66.7666,  
64.0917


 120.8882,  
145.3023, 143.6194

 38.3030, 48.8949,  
46.2783


152.1007,  
181.0692, 180.2196

 26.3963, 34.5361,  
32.1152


188.2705,  
222.2708, 222.5629

 17.2546, 23.3058,  
21.1840

229.7628,  
269.2917, 271.0678

 10.5126, 14.8195,  
13.0660

276.9431,  
322.5162, 326.1527

 5.8050, 8.6928,  
7.3427

330.1766,

 2.7664, 4.5413,

382.3286, 388.2364

3.5957

389.8288,  
449.1134, 457.7373

■ 1.0315, 1.9808,  
1.4063

■ 0.0000, 0.5963,  
0.1466

■ 71.8733, 88.5354,  
85.9740

■ 71.8733, 88.5354,  
85.9740

■ 64.3196, 84.8217,  
77.4728

■ 80.6614, 92.8728,  
95.1091

■ 57.9384, 81.7000,  
69.5871

■ 90.7368, 97.8608,  
104.8875

■ 52.6659, 79.1376,  
62.3037

■ 95.0500, 100.0000,  
108.9000

■ 48.4308, 77.0982,  
55.6072

■ 45.1534, 75.5408,  
49.4814

■ 42.7411, 74.4181,  
43.9090

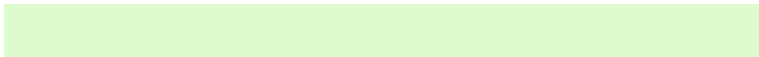
■ 41.0815, 73.6723,  
38.8715

■ 40.3442, 73.3537,  
36.0599

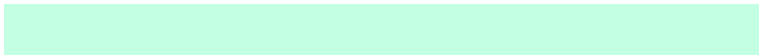
# Harmonies

## Analogous

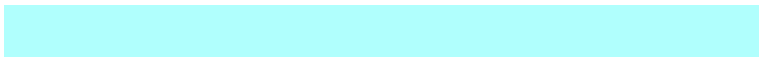
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1835, 88.5354, 71.1151



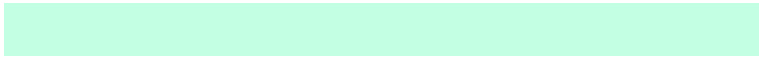
71.8733, 88.5354, 85.9740



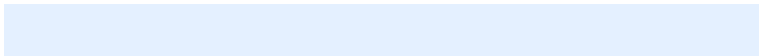
71.7310, 88.5354, 105.8278

# Triad

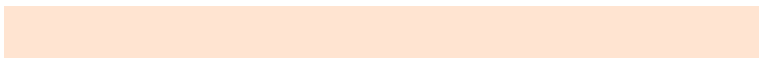
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8733, 88.5354, 85.9740



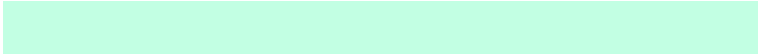
87.3808, 88.5354, 138.9430



94.2682, 88.5354, 72.1300

# Complementary

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



71.8733, 88.5354, 85.9740



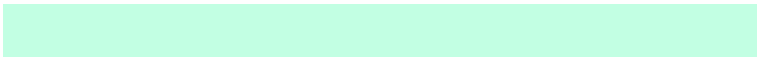
73.7171, 65.1185, 77.7913

# 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.



97.9260, 88.5354, 87.5495



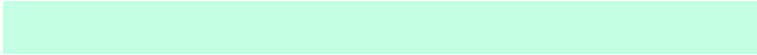
71.8733, 88.5354, 85.9740



93.8030, 88.5354, 127.0634

# Square

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



71.8733, 88.5354, 85.9740



80.4264, 88.5354, 138.3659



97.7512, 88.5354, 107.6366

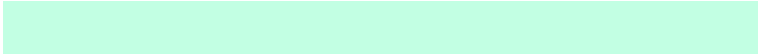


87.9873, 88.5354, 63.9138



# Rectangle

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



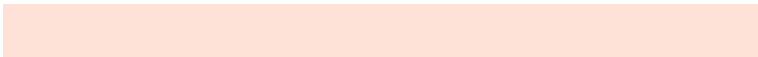
71.8733, 88.5354, 85.9740



73.4347, 88.5354, 119.4260



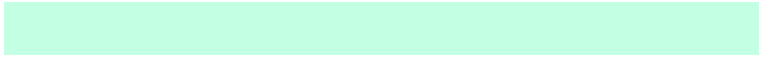
97.7512, 88.5354, 107.6366



95.8605, 88.5354, 76.5420

# Sweetspot

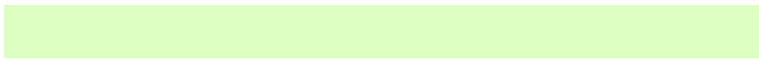
The Sweet Spot groups the original color and five complimentary colors.



71.8741, 88.5358, 85.9754



87.4939, 96.2538, 101.8069



75.7656, 91.0187, 64.6154



18.5944, 20.5365, 21.6632



0.0000, 0.0000, 0.0000

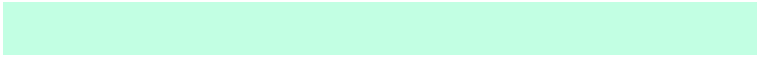


20.3446, 21.4041, 23.3091

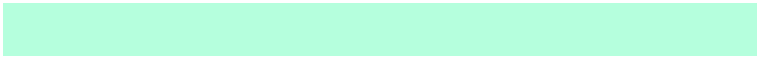


# Same Dimension

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



71.8741, 88.5358, 85.9754



67.8865, 86.5733, 81.5787



75.4135, 88.9192, 107.7961



18.1826, 20.3326, 21.2644



21.1570, 38.3594, 19.2440



2.1152, 3.7570, 2.1643



# Inverse Universe

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



73.7171, 65.1185, 77.7913



70.0389, 59.2340, 72.0272



70.7258, 64.6510, 59.7915



18.3562, 18.1258, 20.4927



23.3013, 11.8098, 10.2371

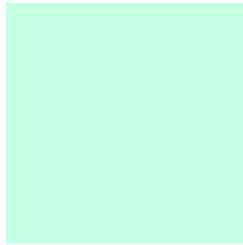


2.3231, 1.1716, 1.2831



# Previews

## White Background



This preview shows how the XYZ color 71.8733, 88.5354, 85.9740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

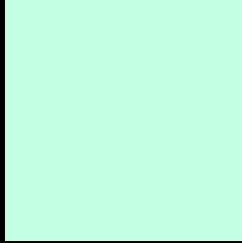
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8733, 88.5354, 85.9740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

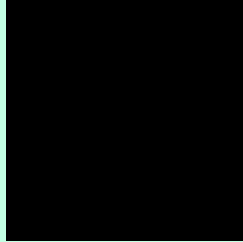
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

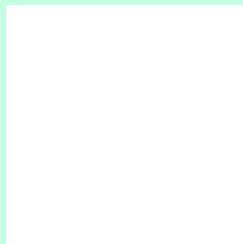
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.8733, 88.5354, 85.9740**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8733, 88.5354, 85.9740.



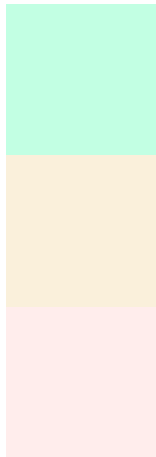
This preview shows how white text looks on a background with the XYZ color 71.8733, 88.5354,

85.9740.

# 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

71.8733, 88.5354, 85.9740

### Protanopia

83.3706, 87.7586, 79.5628

### Deuteranopia

86.6645, 87.8845, 91.7526



## **Tritanopia**

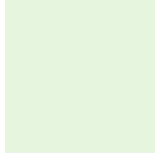
81.1338, 88.2128, 107.3583

# Trichromacy



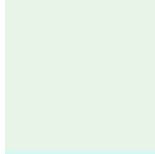
## Original Color

71.8733, 88.5354, 85.9740



## Protanomaly

78.4704, 87.4017, 81.8416



## Deuteranomaly

80.6629, 87.9082, 89.8074



## Tritanomaly

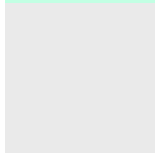
77.5085, 88.3410, 99.3526

# Monochromacy



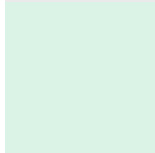
## Original Color

71.8733, 88.5354, 85.9740



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.3894, 84.3339, 87.9059

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8733, 88.5354, 85.9740 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(194, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 227)  
}
```

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(194, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8733, 88.5354, 85.9740 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(194, 255, 227) }
```



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

```
.border{ border-color:rgb(194, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8733, 88.5354, 85.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 227) }
```

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

```
.background{ background-color: rgb(194,  
255, 227) }
```

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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