

Converting Colors

XYZ(71.1286, 88.2008, 83.7103)

Have a look what the booklet for
XYZ(71.1286, 88.2008, 83.7103)
contains.

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Color

**XYZ(71.2069, 88.2393,
83.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFE0
RGB	193, 255, 224
RGB Percent	76%, 100%, 88%
CMY	0.2431, 0.0000, 0.1216
CMYK	0.24, 0.00, 0.12, 0.00
HSL	150°, 100%, 88%
HSV	150°, 24%, 100%
XYZ	71.2069, 88.2393, 83.7999
YIQ	232.9280, -27.0010, -22.7850

Conversions

Conversions Part 2

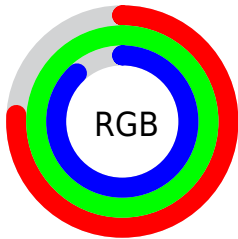
Format	Color
RYB	193, 234, 255
Decimal	12713952
CIELab	95.26, -25.46, 8.55
CIElCh	95, 26.858, 161.446
Yxy	88.2393, 0.2927, 0.3628
Android (android.graphics.Color)	4290904032 (0xFFC1FFE0)
YUV	232.9280, -4.4015, -35.0169
Hunter-Lab	93.9358, -29.0778, 12.8626

Details

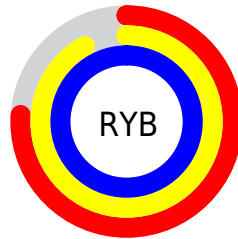
The XYZ color **71.2069, 88.2393, 83.7999** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.7650, 64.7827, 79.1376**, and the grayscale version is **77.4443, 81.4774, 88.7289**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **37.8367, 48.6560, 44.9335** is the 20% darker color. If you saturate the color by 10%, you get **63.5922, 84.5061, 74.7536**, and if you desaturate by 10%, it is **80.0736, 92.6029, 93.5844**.

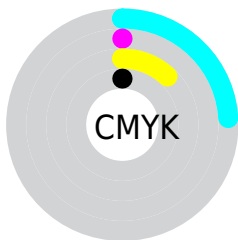
Distribution



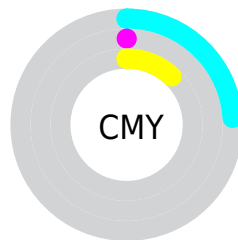
- Red (76%)
- Green (100%)
- Blue (88%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.2069, 88.2393, 83.7999 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 71.2069, 88.2393, 83.7999 by changing the saturation by 10% instead.

 71.2069, 88.2393,
83.7999

 71.2069, 88.2393,
83.7999


453.9770,
522.2866, 527.6892

 52.7942, 66.5213,
62.3058


 119.9452,
144.8903, 140.5545

 37.8653, 48.6957,
44.8425


151.0015,
180.5920, 176.6520

 26.0549, 34.3781,
30.9913


187.0031,
221.7237, 218.4545

 16.9976, 23.1842,
20.3338

228.3152,
268.6699, 266.3804

 10.3281, 14.7296,
12.4515

275.3033,
321.8149, 320.8482

 5.6810, 8.6298,
6.9257

328.3328,

 2.6909, 4.5005,

381.5430, 382.2767

3.3379

387.7688,
448.2388, 451.0841

0.9925, 1.9573,
1.2697

0.0000, 0.5825,
0.0367

71.2069, 88.2393,
83.7999

71.2069, 88.2393,
83.7999

63.5922, 84.5061,
74.7536

80.0736, 92.6029,
93.5844

57.1668, 81.3714,
66.4238

90.2462, 97.6244,
104.1199

51.8661, 78.8022,
58.7936

95.0500, 100.0000,
108.9000

47.6178, 76.7615,
51.8436

■ 44.3408, 75.2080,
45.5538

■ 41.9413, 74.0936,
39.9026

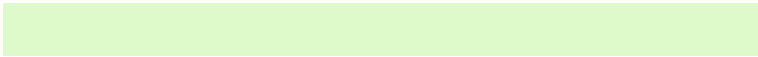
■ 40.3049, 73.3598,
34.8667

■ 39.6237, 73.0655,
32.2658

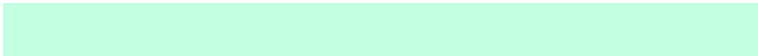
Harmonies

Analogous

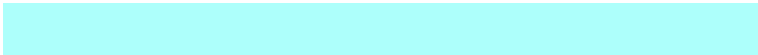
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8833, 88.2393, 68.8913



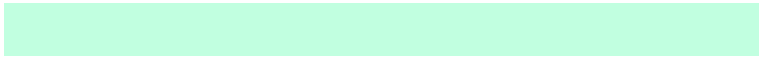
71.2069, 88.2393, 83.7999



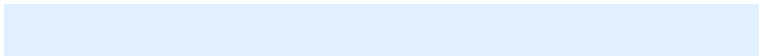
70.8022, 88.2393, 104.3103

Triad

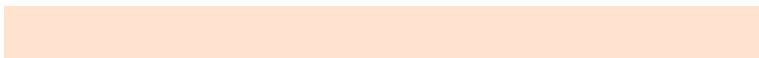
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2069, 88.2393, 83.7999



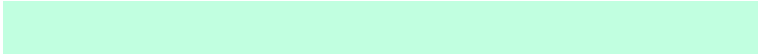
86.6962, 88.2393, 141.3067



94.8808, 88.2393, 71.7648

Complementary

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



71.2069, 88.2393, 83.7999



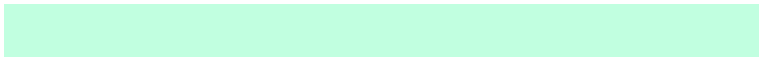
73.7650, 64.7827, 79.1376

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.



98.4516, 88.2393, 88.2899



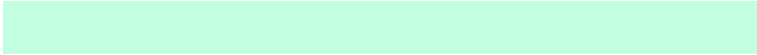
71.2069, 88.2393, 83.7999



93.5458, 88.2393, 129.6133

Square

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



71.2069, 88.2393, 83.7999



79.4644, 88.2393, 139.6384



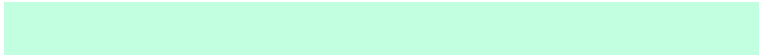
97.9492, 88.2393, 109.4995



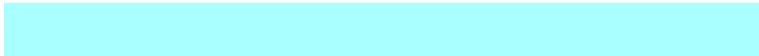
88.4330, 88.2393, 62.6730

Rectangle

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



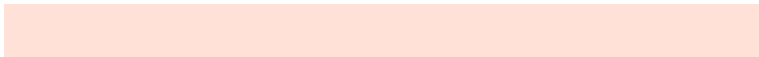
71.2069, 88.2393, 83.7999



72.4125, 88.2393, 118.7059



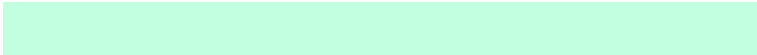
97.9492, 88.2393, 109.4995



96.4739, 88.2393, 76.5248

Sweetspot

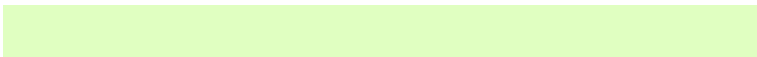
The Sweet Spot groups the original color and five complimentary colors.



71.2077, 88.2397, 83.8013



87.3813, 96.2088, 101.2140



76.1267, 91.2178, 64.0479



18.5683, 20.5260, 21.5259



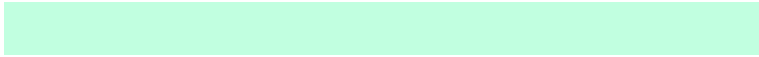
0.0000, 0.0000, 0.0000



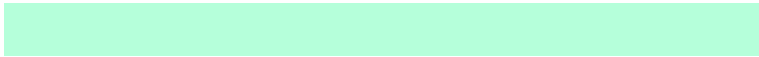
20.3446, 21.4041, 23.3091

Same Dimension

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



71.2077, 88.2397, 83.8013



67.4861, 86.4131, 79.4700



75.8029, 90.0777, 107.9992



18.1504, 20.3197, 21.0949



20.7796, 38.2084, 17.2564



2.0784, 3.7423, 1.9705

Inverse Universe

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



73.7650, 64.7827, 79.1376



70.4321, 59.3913, 74.0976



69.9363, 63.2513, 58.9760



18.3882, 18.1386, 20.6613



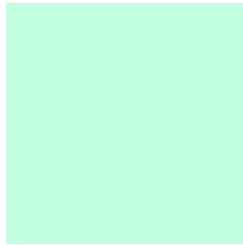
23.6428, 11.9464, 12.0352



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 71.2069, 88.2393, 83.7999 looks on a white background.

Color Contrast Check

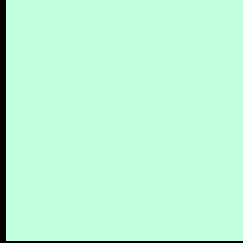
Large Text (above 18pt) WCAG AA × Fail

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 71.2069, 88.2393, 83.7999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

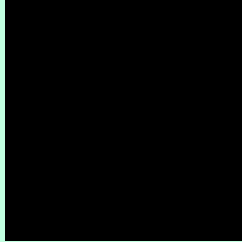
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

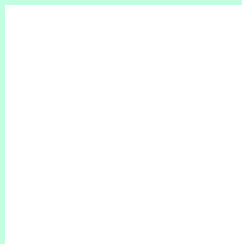
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2069, 88.2393, 83.7999

Background



This preview shows how black text looks on a background with the XYZ color 71.2069, 88.2393, 83.7999.



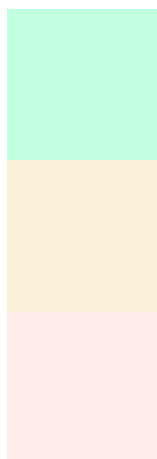
This preview shows how white text looks on a background with the XYZ color 71.2069, 88.2393,

83.7999.

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

71.2069, 88.2393, 83.7999

Protanopia

83.3384, 87.7873, 77.5180

Deuteranopia

86.5196, 87.8265, 90.9894



Tritanopia

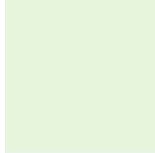
80.8266, 88.0544, 107.3439

Trichromacy



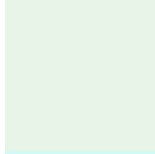
Original Color

71.2069, 88.2393, 83.7999



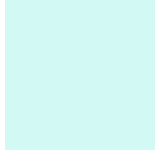
Protanomaly

78.0717, 87.2423, 79.7425



Deuteranomaly

80.0532, 87.6267, 88.2957



Tritanomaly

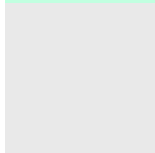
77.0688, 88.1319, 98.5372

Monochromacy



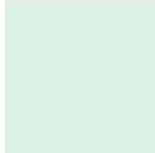
Original Color

71.2069, 88.2393, 83.7999



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6517, 83.5292, 87.0511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2069, 88.2393, 83.7999 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(193, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 224)  
}
```

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(193, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 71.2069, 88.2393, 83.7999 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(193, 255, 224) }
```


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

```
.border{ border-color:rgb(193, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2069, 88.2393, 83.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 224) }
```

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

```
.background{ background-color: rgb(193,  
255, 224) }
```

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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