

Converting Colors

XYZ(72.0386, 88.7247, 81.2818)

Have a look what the booklet for
XYZ(72.0386, 88.7247, 81.2818)
contains.

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Color

**XYZ(71.9670, 88.6931,
81.0366)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FFDC
RGB	198, 255, 220
RGB Percent	78%, 100%, 86%
CMY	0.2235, 0.0000, 0.1372
CMYK	0.22, 0.00, 0.14, 0.00
HSL	143°, 100%, 89%
HSV	143°, 22%, 100%
XYZ	71.9670, 88.6931, 81.0366
YIQ	233.9670, -22.7370, -22.9690

Conversions

Conversions Part 2

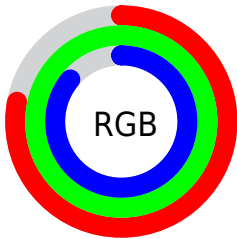
Format	Color
RYB	198, 239, 255
Decimal	13041628
CIELab	95.45, -24.67, 10.91
CIElCh	95, 26.978, 156.142
Yxy	88.6931, 0.2978, 0.3670
Android (android.graphics.Color)	4291231708 (0xFFC6FFDC)
YUV	233.9670, -6.8857, -31.5431
Hunter-Lab	94.1770, -28.4059, 14.9066

Details

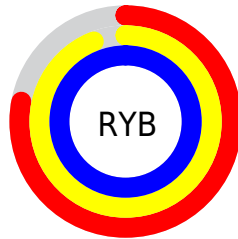
The XYZ color **71.9670, 88.6931, 81.0366** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.1425, 67.5322, 86.1126**, and the grayscale version is **78.2442, 82.3190, 89.6454**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3133, 48.9444, 43.0252** is the 20% darker color. If you saturate the color by 10%, you get **63.8241, 84.7237, 70.3331**, and if you desaturate by 10%, it is **81.4372, 93.3242, 92.8190**.

Distribution



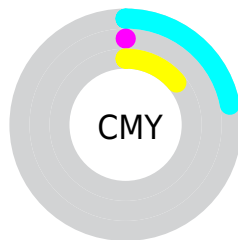
- Red (78%)
- Green (100%)
- Blue (86%)



- Red (78%)
- Yellow (94%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.9670, 88.6931, 81.0366 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 71.9670, 88.6931, 81.0366 by changing the saturation by 10% instead.


 71.9670, 88.6931,
81.0366

 71.9670, 88.6931,
81.0366


456.5861,
523.7703, 518.2180

 53.4171, 66.8972,
60.0406


121.0207,
145.5217, 136.6467

 38.3646, 49.0011,
43.0258

152.2551,
181.3232, 172.0978

 26.4443, 34.6204,
29.5738


188.4485,
222.5621, 213.2044

 17.2908, 23.3706,
19.2660

229.9661,
269.6227, 260.3850

 10.5386, 14.8674,
11.6839

277.1733,
322.8894, 314.0581

 5.8225, 8.7264,
6.4089

330.4355,

 2.7771, 4.5631,

382.7467, 374.6423

3.0225

390.1180,
449.5789, 442.5561

■ 1.0370, 1.9933,
1.1061

■ 0.0000, 0.6036,
0.0000

■ 71.9670, 88.6931,
81.0366

■ 71.9670, 88.6931,
81.0366

■ 63.8241, 84.7237,
70.3331

■ 81.4372, 93.3242,
92.8190

■ 56.9443, 81.3838,
60.6736

■ 92.2902, 98.6451,
105.7053

■ 51.2614, 78.6396,
52.0274

■ 95.0500, 100.0000,
108.9000

■ 46.7017, 76.4540,
44.3607

■ 43.1832, 74.7853,
37.6380

■ 40.6118, 73.5858,
31.8210

■ 38.8747, 72.7981,
26.8687

■ 37.9847, 72.4099,
23.6353

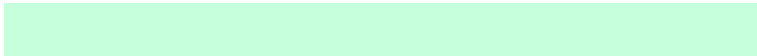
Harmonies

Analogous

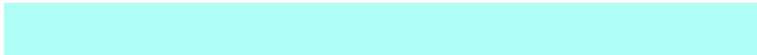
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1981, 88.6931, 67.3080



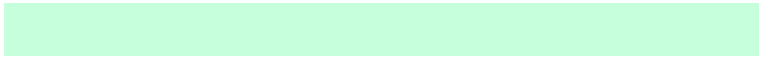
71.9670, 88.6931, 81.0366



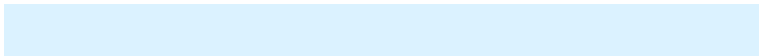
70.9530, 88.6931, 100.9894

Triad

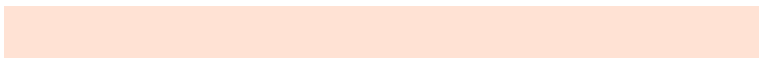
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9670, 88.6931, 81.0366



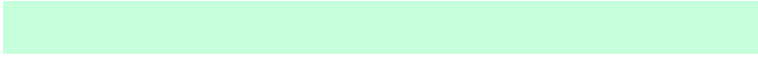
85.8289, 88.6931, 142.9206



96.2974, 88.6931, 74.5139

Complementary

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



71.9670, 88.6931, 81.0366



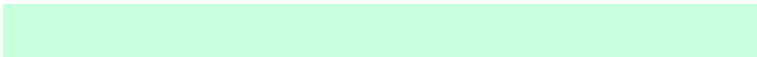
76.1425, 67.5322, 86.1126

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.



99.2241, 88.6931, 92.2848



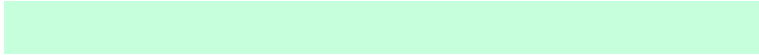
71.9670, 88.6931, 81.0366



92.9571, 88.6931, 133.2836

Square

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



71.9670, 88.6931, 81.0366



78.6852, 88.6931, 138.7514



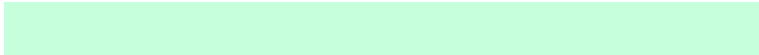
97.9675, 88.6931, 113.9752



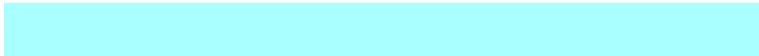
90.1760, 88.6931, 63.9446

Rectangle

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



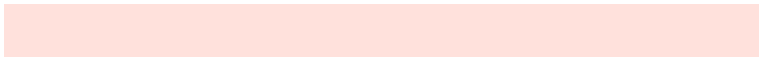
71.9670, 88.6931, 81.0366



72.1825, 88.6931, 115.6243



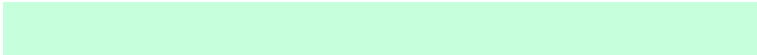
97.9675, 88.6931, 113.9752



97.7032, 88.6931, 79.7363

Sweetspot

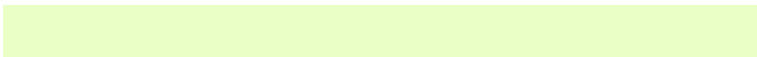
The Sweet Spot groups the original color and five complimentary colors.



71.9677, 88.6934, 81.0380



87.0703, 96.0844, 99.5766



79.6068, 92.9463, 67.1720



18.4964, 20.4972, 21.1470



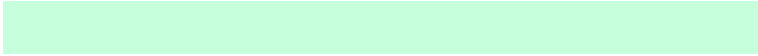
0.0000, 0.0000, 0.0000



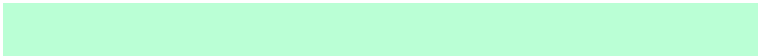
20.3446, 21.4041, 23.3091

Same Dimension

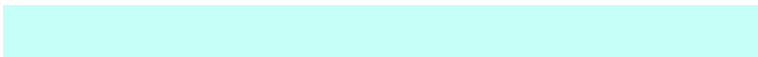
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9677, 88.6934, 81.0380



68.0215, 86.7680, 75.9306



76.0469, 90.3251, 102.5185



18.0617, 20.2842, 20.6282



19.9153, 37.8627, 12.7052



1.9906, 3.7072, 1.5082

Inverse Universe

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



76.1425, 67.5322, 86.1126



72.8932, 62.0661, 81.8468



72.4120, 66.0400, 66.4679



18.4781, 18.1746, 21.1351



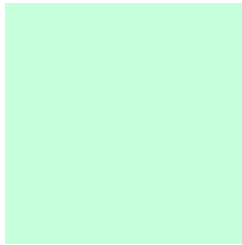
24.7851, 12.4033, 18.0506



2.4667, 1.2291, 2.0392

Previews

White Background



This preview shows how the XYZ color 71.9670, 88.6931, 81.0366 looks on a white background.

Color Contrast Check

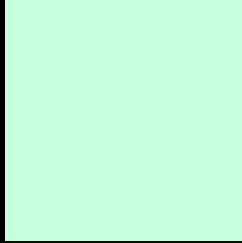
Large Text (above 18pt) WCAG AA × Fail

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 71.9670, 88.6931, 81.0366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

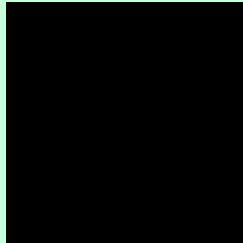
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

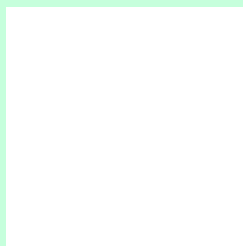
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.9670, 88.6931, 81.0366

Background



This preview shows how black text looks on a background with the XYZ color 71.9670, 88.6931, 81.0366.

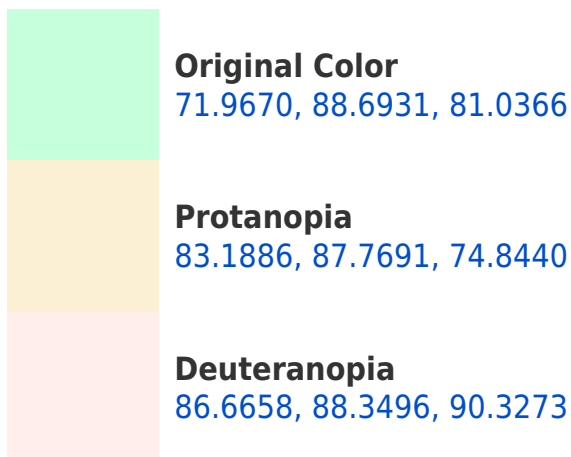


This preview shows how white text looks on a background with the XYZ color 71.9670, 88.6931,

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

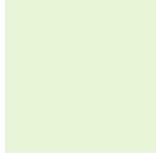
81.7537, 88.5324, 107.3873

Trichromacy



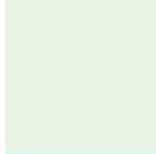
Original Color

71.9670, 88.6931, 81.0366



Protanomaly

78.1969, 87.3669, 77.0321



Deuteranomaly

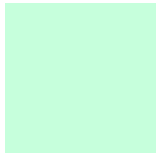
80.4252, 87.8509, 86.8468



Tritanomaly

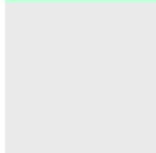
77.9270, 88.6092, 97.0005

Monochromacy



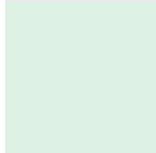
Original Color

71.9670, 88.6931, 81.0366



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.7138, 84.5336, 86.4548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9670, 88.6931, 81.0366 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(198, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 220)  
}
```

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(198, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 71.9670, 88.6931, 81.0366 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(198, 255, 220) }
```


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

```
.border{ border-color:rgb(198, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9670, 88.6931, 81.0366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 220) }
```

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

```
.background{ background-color: rgb(198,  
255, 220) }
```

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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