

Converting Colors

XYZ(71.2870, 88.1219, 69.8922)

Have a look what the booklet for
XYZ(71.2870, 88.1219, 69.8922)
contains.

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Color

**XYZ(71.1231, 88.0328,
69.7434)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFECB
RGB	204, 254, 203
RGB Percent	80%, 100%, 80%
CMY	0.2000, 0.0039, 0.2039
CMYK	0.20, 0.00, 0.20, 0.00
HSL	119°, 96%, 90%
HSV	119°, 20%, 100%
XYZ	71.1231, 88.0328, 69.7434
YIQ	233.2360, -13.4290, -26.4610

Conversions

Conversions Part 2

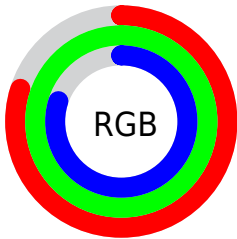
Format	Color
R_{YB}	203, 254, 253
Decimal	13434571
CIE _{Lab}	95.17, -25.27, 19.28
CIE _{LCh}	95, 31.781, 142.657
Yxy	88.0328, 0.3107, 0.3846
Android (android.graphics.Color)	4291624651 (0xFFCCFECB)
YUV	233.2360, -14.9063, -25.6400
Hunter-Lab	93.8258, -28.8862, 21.6061

Details

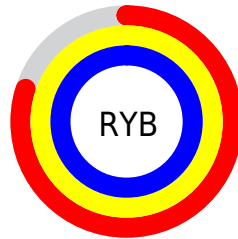
The XYZ color **71.1231, 88.0328, 69.7434** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.7572, 70.7529, 103.2236**, and the grayscale version is **77.7478, 81.7968, 89.0767**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7855, 48.4920, 35.8022** is the 20% darker color. If you saturate the color by 10%, you get **62.0525, 83.6809, 54.7916**, and if you desaturate by 10%, it is **81.7857, 93.1532, 87.3621**.

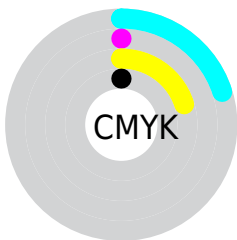
Distribution



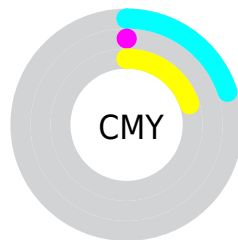
- Red (80%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (99%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1231, 88.0328, 69.7434 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 71.1231, 88.0328, 69.7434 by changing the saturation by 10% instead.

71.1231, 88.0328,
69.7434

71.1231, 88.0328,
69.7434

453.6888,
521.6106, 478.4133

52.7256, 66.3502,
50.8419

119.8266,
144.6028, 120.5204

37.8103, 48.5568,
35.7069

150.8632,
180.2591, 153.2330

26.0121, 34.2680,
23.9200

186.8435,
221.3420, 191.3863

16.9654, 23.0996,
15.0627

228.1330,
268.2360, 235.3990

10.3050, 14.6670,
8.7163

275.0969,
321.3255, 285.6894

5.6654, 8.5860,
4.4623

328.1006,

2.6814, 4.4722,

380.9948, 342.6763

1.8822

387.5094,
447.6284, 406.7781

■ 0.9876, 1.9410,
0.4814

■ 0.0000, 0.5729,
0.0000

■ 71.1231, 88.0328,
69.7434

■ 71.1231, 88.0328,
69.7434

■ 62.0525, 83.6809,
54.7916

■ 81.7857, 93.1532,
87.3621

■ 54.4911, 80.0499,
42.3714

■ 94.1040, 99.0648,
107.7625

■ 48.3590, 77.1042,
32.3444

■ 94.7336, 99.3671,
108.7945

■ 43.5663, 74.8009,
24.5568

■ 40.0130, 73.0921,
18.8367

■ 37.5851, 71.9231,
14.9874

■ 36.1473, 71.2294,
12.7745

■ 35.5058, 70.9192,
11.8174

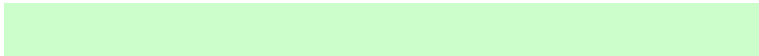
Harmonies

Analogous

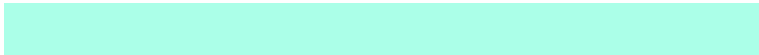
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4222, 88.0328, 58.2435



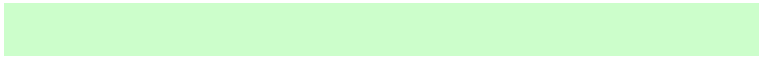
71.1231, 88.0328, 69.7434



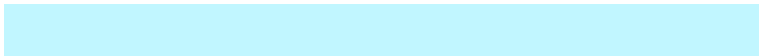
68.2238, 88.0328, 89.8872

Triad

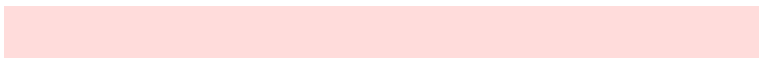
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1231, 88.0328, 69.7434



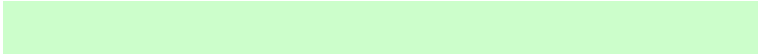
81.5627, 88.0328, 151.3408



99.9947, 88.0328, 78.6351

Complementary

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



71.1231, 88.0328, 69.7434



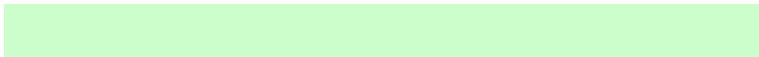
79.7572, 70.7529, 103.2236

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.



101.2933, 88.0328, 102.0766



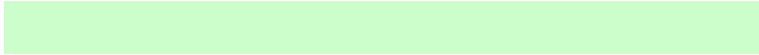
71.1231, 88.0328, 69.7434



90.2505, 88.0328, 146.9258

Square

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



71.1231, 88.0328, 69.7434



73.9751, 88.0328, 138.9726



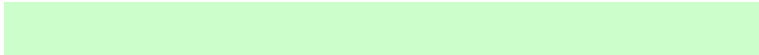
97.6176, 88.0328, 127.7793



94.1824, 88.0328, 62.7255

Rectangle

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



71.1231, 88.0328, 69.7434



68.4580, 88.0328, 106.6833



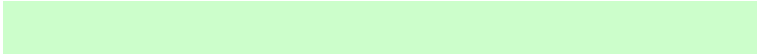
97.6176, 88.0328, 127.7793



100.9892, 88.0328, 85.7812

Sweetspot

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



71.1254, 88.0365, 69.7453



87.3787, 96.3187, 96.1906



86.5612, 95.1966, 70.3138



18.5319, 20.5342, 20.3060



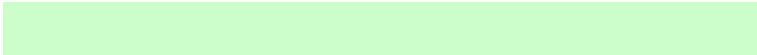
0.0000, 0.0000, 0.0000



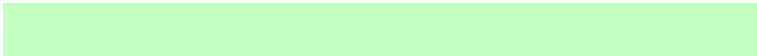
20.3446, 21.4041, 23.3091

Same Dimension

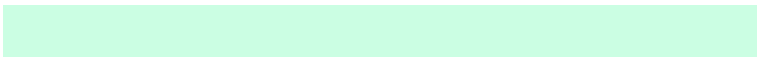
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1254, 88.0365, 69.7453



67.9805, 87.0080, 64.1325



73.9108, 89.1192, 85.8373



17.8044, 20.1851, 19.1021



18.7323, 37.3949, 6.2307



1.8350, 3.6467, 0.6072

Inverse Universe

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



79.7572, 70.7529, 103.2236



78.0977, 66.7480, 103.3752



76.5431, 69.5094, 84.3956



18.7554, 18.2812, 22.7901



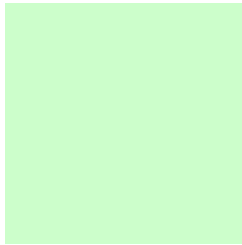
30.0487, 14.4012, 50.6305



2.9365, 1.4077, 4.9302

Previews

White Background



This preview shows how the XYZ color 71.1231, 88.0328, 69.7434 looks on a white background.

Color Contrast Check

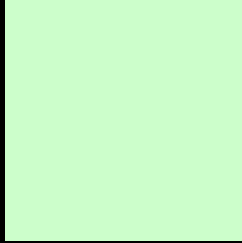
Large Text (above 18pt) WCAG AA × Fail

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 71.1231, 88.0328, 69.7434 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

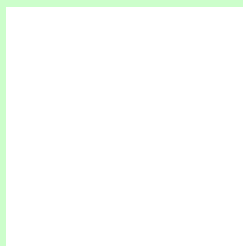
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.1231, 88.0328, 69.7434

Background



This preview shows how black text looks on a background with the XYZ color 71.1231, 88.0328, 69.7434.



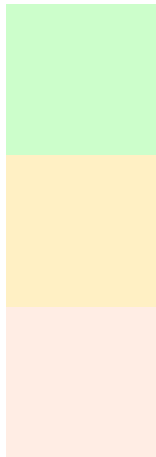
This preview shows how white text looks on a background with the XYZ color 71.1231, 88.0328,

69.7434.

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

71.1231, 88.0328, 69.7434

Protanopia

82.3639, 87.5657, 64.7854

Deuteranopia

85.5278, 87.4298, 85.7666



Tritanopia

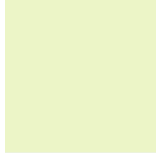
81.4646, 87.4899, 107.2013

Trichromacy



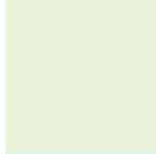
Original Color

71.1231, 88.0328, 69.7434



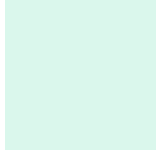
Protanomaly

77.5533, 87.2612, 66.7884



Deuteranomaly

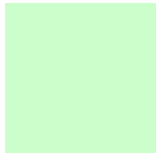
79.4288, 87.0485, 79.6335



Tritanomaly

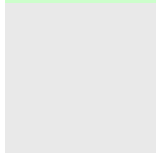
77.3145, 87.4831, 92.1679

Monochromacy



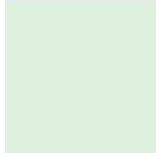
Original Color

71.1231, 88.0328, 69.7434



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.7643, 83.7141, 81.3252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1231, 88.0328, 69.7434 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(204, 254, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 254, 203)  
}
```

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(204, 254, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 254, 203) }
```

Border

The CSS property to change the border of an element to XYZ 71.1231, 88.0328, 69.7434 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(204, 254, 203) }
```


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

```
.border{ border-color:rgb(204, 254, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 254, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 254, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 254, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 254,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1231, 88.0328, 69.7434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 254, 203) }
```

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

```
.background{ background-color: rgb(204,  
254, 203) }
```

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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