

Converting Colors

XYZ(76.8036, 100.0000,
69.2877)

Have a look what the booklet for
XYZ(76.8036, 100.0000, 69.2877)
contains.

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Color

**XYZ(70.9706, 88.4809,
67.3708)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFC7
RGB	204, 255, 199
RGB Percent	80%, 100%, 78%
CMY	0.2000, 0.0000, 0.2196
CMYK	0.20, 0.00, 0.22, 0.00
HSL	115°, 100%, 89%
HSV	115°, 22%, 100%
XYZ	70.9706, 88.4809, 67.3708
YIQ	233.3670, -12.4200, -28.2280

Conversions

Conversions Part 2

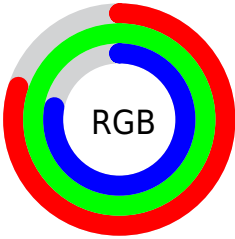
Format	Color
RYB	199, 255, 250
Decimal	13434823
CIELab	95.36, -26.40, 21.58
CIELCh	95, 34.100, 140.739
Yxy	88.4809, 0.3129, 0.3901
Android (android.graphics.Color)	4291624903 (0xFFCCFFC7)
YUV	233.3670, -16.9429, -25.7549
Hunter-Lab	94.0643, -29.9360, 23.3803

Details

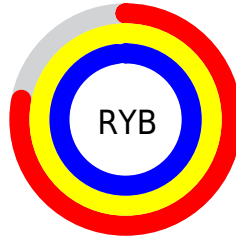
The XYZ color **70.9706, 88.4809, 67.3708** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.8987, 68.3921, 103.7030**, and the grayscale version is **77.8585, 81.9132, 89.2035**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6993, 48.8221, 34.2247** is the 20% darker color. If you saturate the color by 10%, you get **62.3554, 84.3535, 52.7858**, and if you desaturate by 10%, it is **81.0322, 93.2966, 84.6158**.

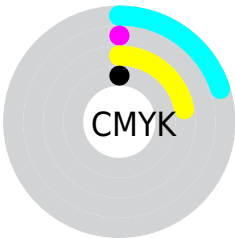
Distribution



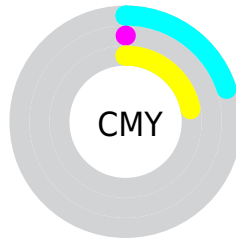
- Red (80%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9706, 88.4809, 67.3708 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 70.9706, 88.4809, 67.3708 by changing the saturation by 10% instead.

70.9706, 88.4809,
67.3708

70.9706, 88.4809,
67.3708

453.1641,
523.0768, 469.8009

52.6007, 66.7214,
48.9225

119.6106,
145.2265, 117.0973

37.7103, 48.8583,
34.1929

150.6114,
180.9814, 149.2125

25.9341, 34.5071,
22.7632

186.5531,
222.1702, 186.7206

16.9068, 23.2834,
14.2151

227.8012,
269.1773, 230.0399

10.2629, 14.8029,
8.1300

274.7210,
322.3871, 279.5890

5.6372, 8.6812,
4.0893

327.6778,

2.6643, 4.5338,

382.1840, 335.7866

1.6744

387.0371,
448.9525, 399.0510

■ 0.9788, 1.9764,
0.3431

■ 0.0000, 0.5937,
0.0000

■ 70.9706, 88.4809,
67.3708

■ 70.9706, 88.4809,
67.3708

■ 62.3554, 84.3535,
52.7858

■ 81.0322, 93.2966,
84.6158

■ 55.1184, 80.8821,
40.7247

■ 92.6009, 98.8292,
104.6396

■ 49.1883, 78.0331,
31.0453

■ 95.0500, 100.0000,
108.9000

■ 44.4867, 75.7695,
23.5901

■ 40.9269, 74.0504,
18.1822

■ 38.4107, 72.8295,
14.6180

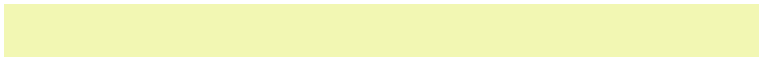
■ 36.8227, 72.0527,
12.6523

■ 36.1080, 71.6994,
11.9363

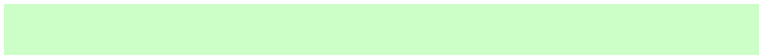
Harmonies

Analogous

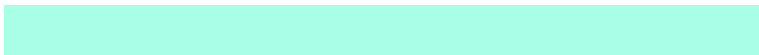
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9101, 88.4809, 55.8686



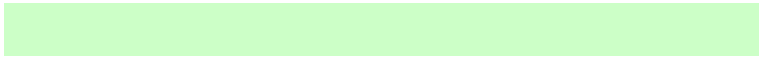
70.9706, 88.4809, 67.3708



67.6205, 88.4809, 88.3140

Triad

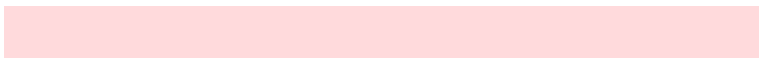
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9706, 88.4809, 67.3708



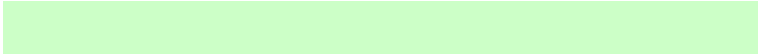
81.2470, 88.4809, 156.4000



101.9981, 88.4809, 79.2833

Complementary

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



70.9706, 88.4809, 67.3708



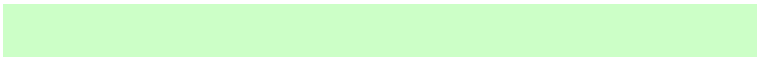
77.8987, 68.3921, 103.7030

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.



103.0569, 88.4809, 104.8395



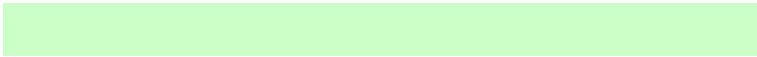
70.9706, 88.4809, 67.3708



90.6061, 88.4809, 152.7585

Square

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



70.9706, 88.4809, 67.3708



73.2582, 88.4809, 141.7993



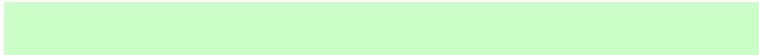
98.7529, 88.4809, 132.6125



95.9585, 88.4809, 61.8121

Rectangle

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



70.9706, 88.4809, 67.3708



67.6900, 88.4809, 106.2253



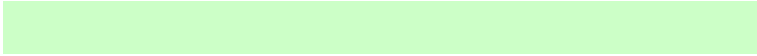
98.7529, 88.4809, 132.6125



102.9650, 88.4809, 87.0891

Sweetspot

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



70.9712, 88.4811, 67.3722



86.5780, 95.9493, 94.1926



85.5486, 93.3827, 67.5499



18.3825, 20.4660, 19.9037



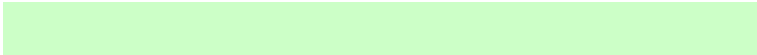
0.0000, 0.0000, 0.0000



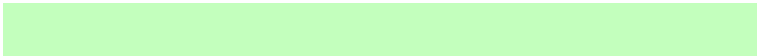
20.3446, 21.4041, 23.3091

Same Dimension

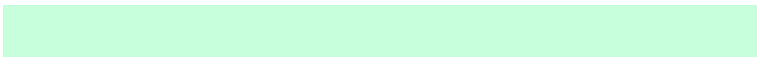
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9712, 88.4811, 67.3722



67.3200, 86.7324, 61.1665



72.4185, 88.9043, 82.0307



17.9219, 20.2456, 19.1075



18.9178, 37.4906, 6.2393



1.8906, 3.6754, 0.6098

Inverse Universe

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



77.8987, 68.3921, 103.7030



75.2791, 63.6410, 102.9240



76.3149, 67.9683, 85.8891



18.6233, 18.2131, 22.7839



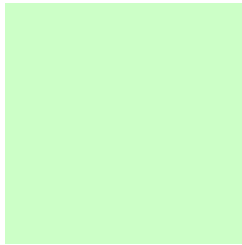
26.9266, 12.7917, 50.4844



2.6667, 1.2686, 4.9176

Previews

White Background



This preview shows how the XYZ color 70.9706, 88.4809, 67.3708 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 70.9706, 88.4809, 67.3708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

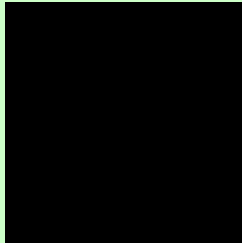
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

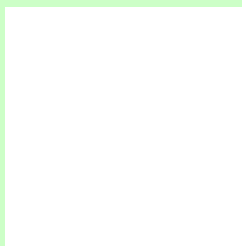
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9706, 88.4809, 67.3708

Background



This preview shows how black text looks on a background with the XYZ color 70.9706, 88.4809, 67.3708.



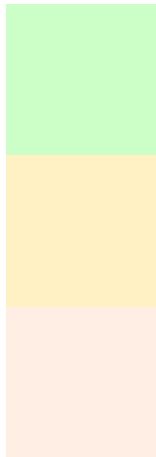
This preview shows how white text looks on a background with the XYZ color 70.9706, 88.4809,

67.3708.

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

70.9706, 88.4809, 67.3708

Protanopia

82.6591, 88.1561, 64.8838

Deuteranopia

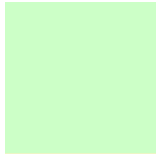
85.8181, 88.0105, 85.8634



Tritanopia

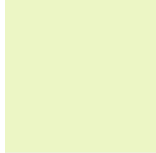
82.0792, 88.2523, 107.3161

Trichromacy



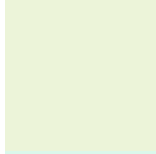
Original Color

70.9706, 88.4809, 67.3708



Protanomaly

77.6259, 87.7756, 65.6744



Deuteranomaly

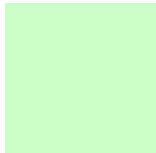
79.4671, 87.5440, 78.3550



Tritanomaly

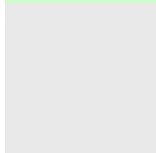
77.7762, 88.1930, 91.5210

Monochromacy



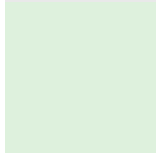
Original Color

70.9706, 88.4809, 67.3708



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6306, 83.6606, 80.6213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9706, 88.4809, 67.3708 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, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 199)  
}
```

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, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 70.9706, 88.4809, 67.3708 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, 255, 199) }
```


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

```
.border{ border-color:rgb(204, 255, 199) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9706, 88.4809, 67.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 199) }
```

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

```
.background{ background-color: rgb(204,  
255, 199) }
```

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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