

Converting Colors

XYZ(70.4819, 88.2341, 67.1137)

Have a look what the booklet for
XYZ(70.4819, 88.2341, 67.1137)
contains.

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Color

**XYZ(70.4259, 88.2001,
67.3453)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFC7
RGB	202, 255, 199
RGB Percent	79%, 100%, 78%
CMY	0.2078, 0.0000, 0.2196
CMYK	0.21, 0.00, 0.22, 0.00
HSL	117°, 100%, 89%
HSV	117°, 22%, 100%
XYZ	70.4259, 88.2001, 67.3453
YIQ	232.7690, -13.6120, -28.6520

Conversions

Conversions Part 2

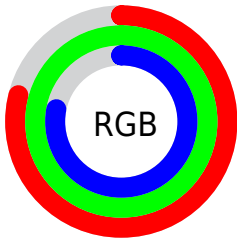
Format	Color
RYB	199, 255, 252
Decimal	13303751
CIELab	95.25, -27.06, 21.40
CIELCh	95, 34.496, 141.662
Yxy	88.2001, 0.3117, 0.3903
Android (android.graphics.Color)	4291493831 (0xFFCAFFC7)
YUV	232.7690, -16.6481, -26.9844
Hunter-Lab	93.9149, -30.4956, 23.2243

Details

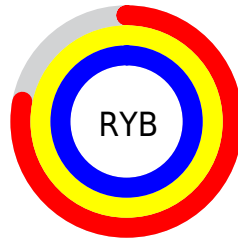
The XYZ color **70.4259, 88.2001, 67.3453** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.6192, 68.7635, 103.7367**, and the grayscale version is **77.4065, 81.4376, 88.6856**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3375, 48.6355, 34.2078** is the 20% darker color. If you saturate the color by 10%, you get **61.6811, 84.0058, 52.7542**, and if you desaturate by 10%, it is **80.6893, 93.1198, 84.5998**.

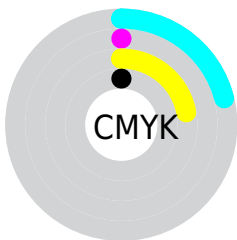
Distribution



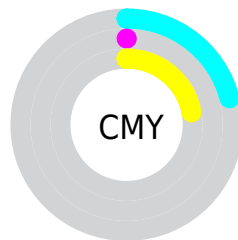
- Red (79%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (99%)



- Cyan (21%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4259, 88.2001, 67.3453 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 70.4259, 88.2001, 67.3453 by changing the saturation by 10% instead.

70.4259, 88.2001,
67.3453

70.4259, 88.2001,
67.3453

451.2871,
522.1583, 469.7078

52.1547, 66.4888,
48.9019

118.8389,
144.8357, 117.0604

37.3531, 48.6693,
34.1766

149.7113,
180.5288, 149.1692

25.6560, 34.3572,
22.7509

185.5149,
221.6513, 186.6702

16.6978, 23.1682,
14.2061

226.6150,
268.5875, 229.9821

10.1132, 14.7177,
8.1238

273.3769,
321.7220, 279.5232

5.5369, 8.6215,
4.0853

326.1660,

2.6036, 4.4951,

381.4390, 335.7121

1.6723

385.3476,
448.1230, 398.9675

■ 0.9478, 1.9542,
0.3416

■ 0.0000, 0.5807,
0.0000

■ 70.4259, 88.2001,
67.3453

■ 70.4259, 88.2001,
67.3453

■ 61.6811, 84.0058,
52.7542

■ 80.6893, 93.1198,
84.5998

■ 54.3810, 80.5020,
40.6901

■ 92.5368, 98.7961,
104.6366

■ 48.4484, 77.6517,
31.0107

■ 95.0500, 100.0000,
108.9000

■ 43.7981, 75.4145,
23.5579

■ 40.3351, 73.7453,
18.1545

■ 37.9517, 72.5929,
14.5966

■ 36.5199, 71.8966,
12.6382

■ 35.9358, 71.6106,
11.9282

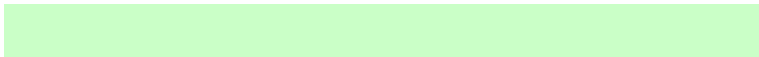
Harmonies

Analogous

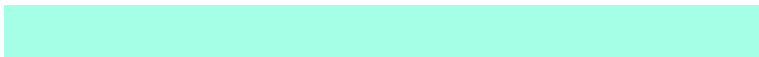
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3288, 88.2001, 55.4786



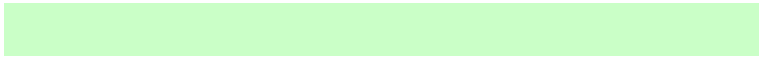
70.4259, 88.2001, 67.3453



67.1739, 88.2001, 88.7148

Triad

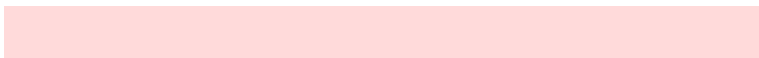
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4259, 88.2001, 67.3453



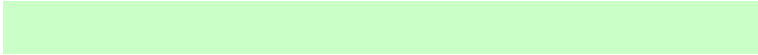
81.2350, 88.2001, 156.9686



101.7961, 88.2001, 78.1498

Complementary

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



70.4259, 88.2001, 67.3453



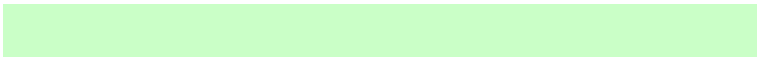
78.6192, 68.7635, 103.7367

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.



103.0377, 88.2001, 103.7470



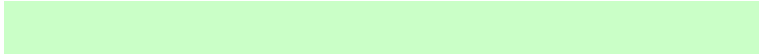
70.4259, 88.2001, 67.3453



90.6890, 88.2001, 152.6905

Square

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



70.4259, 88.2001, 67.3453



73.1018, 88.2001, 142.6811



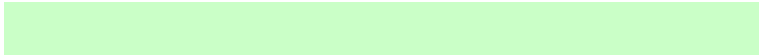
98.8388, 88.2001, 131.8964



95.5630, 88.2001, 60.8558

Rectangle

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



70.4259, 88.2001, 67.3453



67.3312, 88.2001, 106.8941



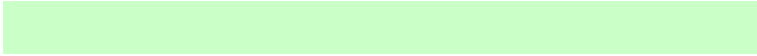
98.8388, 88.2001, 131.8964



102.8288, 88.2001, 85.9373

Sweetspot

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



70.4265, 88.2003, 67.3467



86.3635, 95.8387, 94.1826



86.1296, 94.5448, 67.7436



18.3330, 20.4404, 19.9014



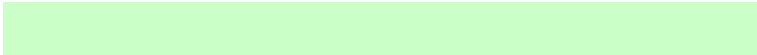
0.0000, 0.0000, 0.0000



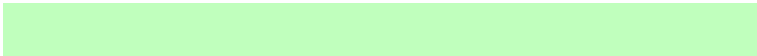
20.3446, 21.4041, 23.3091

Same Dimension

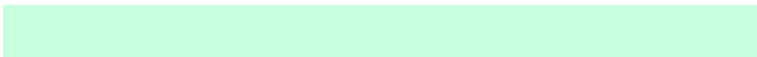
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4265, 88.2003, 67.3467



66.7145, 86.4203, 61.1381



72.6692, 89.0046, 83.3511



17.8615, 20.2145, 19.1047



18.8136, 37.4368, 6.2345



1.8621, 3.6607, 0.6084

Inverse Universe

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



78.6192, 68.7635, 103.7367



76.1289, 64.0790, 102.9638



76.0502, 67.8624, 84.4952



18.6909, 18.2479, 22.7870



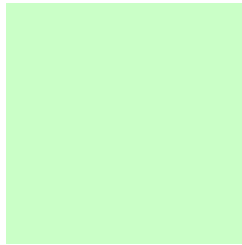
28.4894, 13.5973, 50.5576



2.8022, 1.3385, 4.9239

Previews

White Background



This preview shows how the XYZ color 70.4259, 88.2001, 67.3453 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 70.4259, 88.2001, 67.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

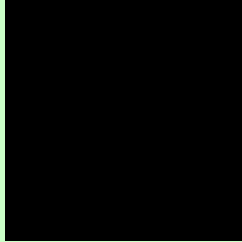
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

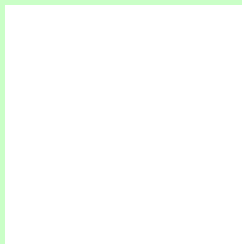
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4259, 88.2001, 67.3453

Background



This preview shows how black text looks on a background with the XYZ color 70.4259, 88.2001, 67.3453.



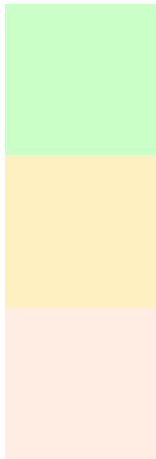
This preview shows how white text looks on a background with the XYZ color 70.4259, 88.2001,

67.3453.

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

70.4259, 88.2001, 67.3453

Protanopia

82.1377, 87.4752, 63.5942

Deuteranopia

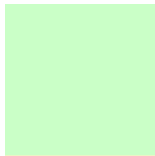
85.5278, 87.4298, 85.7666



Tritanopia

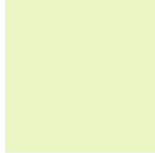
81.7647, 88.0901, 107.3014

Trichromacy



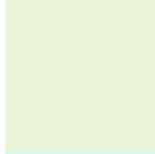
Original Color

70.4259, 88.2001, 67.3453



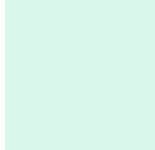
Protanomaly

77.2083, 87.1232, 64.9717



Deuteranomaly

79.4671, 87.5440, 78.3550



Tritanomaly

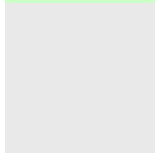
77.1781, 87.8847, 91.4930

Monochromacy



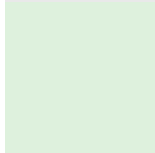
Original Color

70.4259, 88.2001, 67.3453



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 70.4259, 88.2001, 67.3453 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(202, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 70.4259, 88.2001, 67.3453 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(202, 255, 199) }
```


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

```
.border{ border-color:rgb(202, 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(202, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4259, 88.2001, 67.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 199) }
```

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

```
.background{ background-color: rgb(202,  
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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