

Converting Colors

XYZ(93.0471, 133.4726,
75.7128)

Have a look what the booklet for
XYZ(93.0471, 133.4726, 75.7128)
contains.

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Color

**XYZ(70.2727, 88.1076,
67.9463)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFC8
RGB	201, 255, 200
RGB Percent	79%, 100%, 78%
CMY	0.2118, 0.0000, 0.2157
CMYK	0.21, 0.00, 0.22, 0.00
HSL	119°, 100%, 89%
HSV	119°, 22%, 100%
XYZ	70.2727, 88.1076, 67.9463
YIQ	232.5840, -14.5290, -28.5530

Conversions

Conversions Part 2

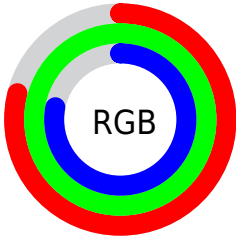
Format	Color
R_{YB}	200, 255, 254
Decimal	13238216
CIE _{Lab}	95.21, -27.22, 20.83
CIE _{LCh}	95, 34.272, 142.579
Yxy	88.1076, 0.3105, 0.3893
Android (android.graphics.Color)	4291428296 (0xFFC9FFC8)
YUV	232.5840, -16.0639, -27.6992
Hunter-Lab	93.8656, -30.6305, 22.7878

Details

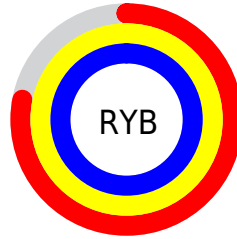
The XYZ color **70.2727, 88.1076, 67.9463** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.5782, 69.6006, 103.8478**, and the grayscale version is **77.2637, 81.2874, 88.5220**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2365, 48.5745, 34.6074** is the 20% darker color. If you saturate the color by 10%, you get **61.3455, 83.8216, 53.2475**, and if you desaturate by 10%, it is **80.7952, 93.1586, 85.3169**.

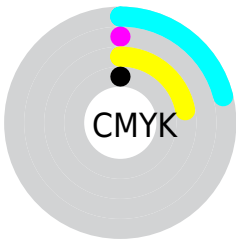
Distribution



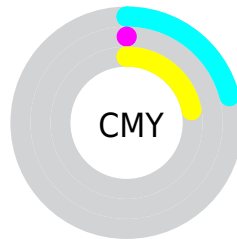
- Red (79%)
- Green (100%)
- Blue (78%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2727, 88.1076, 67.9463 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 70.2727, 88.1076, 67.9463 by changing the saturation by 10% instead.

70.2727, 88.1076,
67.9463

70.2727, 88.1076,
67.9463

450.7584,
521.8555, 471.8986

52.0293, 66.4122,
49.3876

118.6217,
144.7070, 117.9288

37.2528, 48.6071,
34.5593

149.4580,
180.3797, 150.1897

25.5778, 34.3079,
23.0428

185.2227,
221.4803, 187.8551

16.6391, 23.1302,
14.4195

226.2810,
268.3932, 231.3436

10.0712, 14.6897,
8.2709

272.9984,
321.5028, 281.0736

5.5088, 8.6019,
4.1785

325.7402,

2.5866, 4.4824,

381.1934, 337.4638

1.7238

384.8717,
447.8495, 400.9326

■ 0.9391, 1.9469,
0.3770

■ 0.0000, 0.5764,
0.0000

■ 70.2727, 88.1076,
67.9463

■ 70.2727, 88.1076,
67.9463

■ 61.3455, 83.8216,
53.2475

■ 80.7952, 93.1586,
85.3169

■ 53.9341, 80.2624,
41.0843

■ 92.9836, 99.0083,
105.4784

■ 47.9548, 77.3900,
31.3144

■ 95.0500, 100.0000,
108.9000

■ 43.3152, 75.1602,
23.7802

■ 39.9122, 73.5235,
18.3050

■ 37.6273, 72.4234,
14.6855

■ 36.3196, 71.7923,
12.6772

■ 35.8180, 71.5499,
11.9227

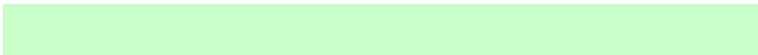
Harmonies

Analogous

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



77.0344, 88.1076, 55.8424



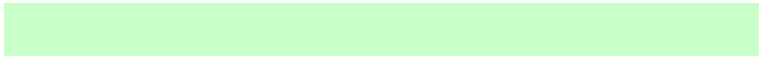
70.2727, 88.1076, 67.9463



67.1646, 88.1076, 89.4420

Triad

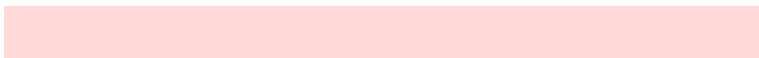
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2727, 88.1076, 67.9463



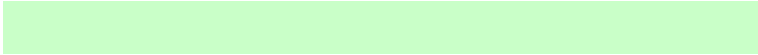
81.4449, 88.1076, 156.5225



101.4484, 88.1076, 77.5068

Complementary

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



70.2727, 88.1076, 67.9463



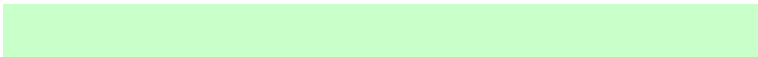
79.5782, 69.6006, 103.8478

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.



102.8484, 88.1076, 102.7332



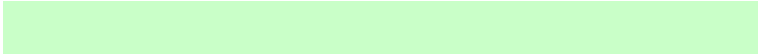
70.2727, 88.1076, 67.9463



90.8315, 88.1076, 151.7053

Square

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



70.2727, 88.1076, 67.9463



73.2958, 88.1076, 142.8642



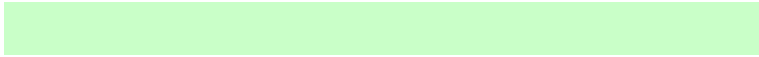
98.8347, 88.1076, 130.7129



95.1400, 88.1076, 60.6038

Rectangle

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



70.2727, 88.1076, 67.9463



67.4072, 88.1076, 107.5795



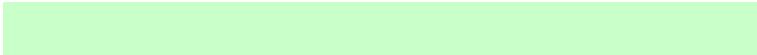
98.8347, 88.1076, 130.7129



102.5268, 88.1076, 85.1611

Sweetspot

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



70.2733, 88.1079, 67.9477



87.3713, 96.3149, 96.1903



86.8435, 95.7861, 68.5564



18.5301, 20.5333, 20.3059



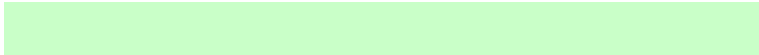
0.0000, 0.0000, 0.0000



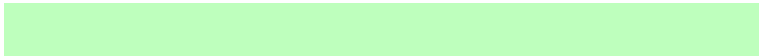
20.3446, 21.4041, 23.3091

Same Dimension

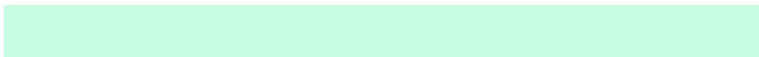
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2733, 88.1079, 67.9477



66.1241, 86.1159, 61.1105



73.2619, 89.2724, 85.0828



17.8021, 20.1839, 19.1019



18.7289, 37.3932, 6.2305



1.8338, 3.6461, 0.6071

Inverse Universe

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



79.5782, 69.6006, 103.8478



76.9814, 64.5185, 103.0037



76.0844, 68.2454, 83.5364



18.7581, 18.2826, 22.7902



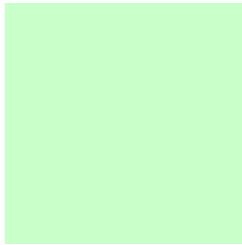
30.1154, 14.4355, 50.6337



2.9422, 1.4107, 4.9305

Previews

White Background



This preview shows how the XYZ color 70.2727, 88.1076, 67.9463 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 70.2727, 88.1076, 67.9463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

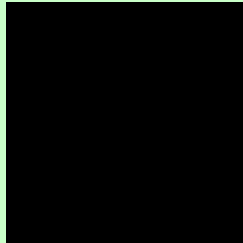
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

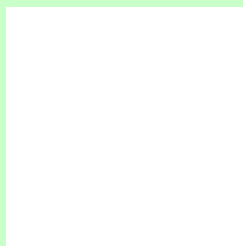
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2727, 88.1076, 67.9463

Background



This preview shows how black text looks on a background with the XYZ color 70.2727, 88.1076, 67.9463.



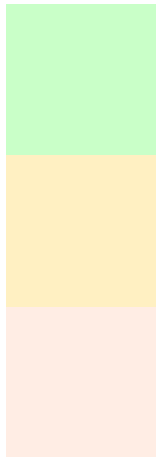
This preview shows how white text looks on a background with the XYZ color 70.2727, 88.1076,

67.9463.

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

70.2727, 88.1076, 67.9463

Protanopia

82.1377, 87.4752, 63.5942

Deuteranopia

85.5278, 87.4298, 85.7666



Tritanopia

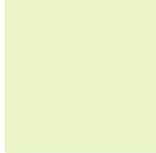
81.4520, 87.9289, 107.2867

Trichromacy



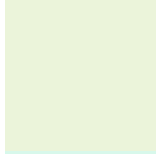
Original Color

70.2727, 88.1076, 67.9463



Protanomaly

76.8772, 86.9525, 64.9562



Deuteranomaly

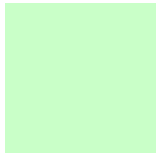
79.2665, 87.4255, 79.0267



Tritanomaly

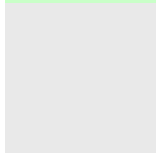
76.8817, 87.7319, 91.4791

Monochromacy



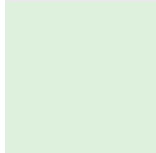
Original Color

70.2727, 88.1076, 67.9463



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.3252, 83.5032, 80.6070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2727, 88.1076, 67.9463 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(201, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 200)  
}
```

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(201, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 70.2727, 88.1076, 67.9463 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(201, 255, 200) }
```


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

```
.border{ border-color:rgb(201, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2727, 88.1076, 67.9463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 200) }
```

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

```
.background{ background-color: rgb(201,  
255, 200) }
```

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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