

Converting Colors

XYZ(78.8338, 105.6954,
72.5804)

Have a look what the booklet for
XYZ(78.8338, 105.6954, 72.5804)
contains.

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Color

**XYZ(70.0927, 87.9739,
69.7863)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFCB
RGB	199, 255, 203
RGB Percent	78%, 100%, 80%
CMY	0.2196, 0.0000, 0.2039
CMYK	0.22, 0.00, 0.20, 0.00
HSL	124°, 100%, 89%
HSV	124°, 22%, 100%
XYZ	70.0927, 87.9739, 69.7863
YIQ	232.3280, -16.6840, -28.0440

Conversions

Conversions Part 2

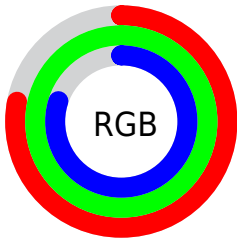
Format	Color
RYB	199, 251, 255
Decimal	13107147
CIELab	95.15, -27.36, 19.20
CIELCh	95, 33.426, 144.943
Yxy	87.9739, 0.3076, 0.3861
Android (android.graphics.Color)	4291297227 (0xFFC7FFCB)
YUV	232.3280, -14.4587, -29.2287
Hunter-Lab	93.7944, -30.7469, 21.5423

Details

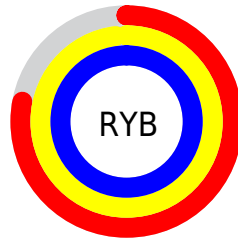
The XYZ color **70.0927, 87.9739, 69.7863** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.0763, 69.0726, 100.4308**, and the grayscale version is **77.0610, 81.0741, 88.2897**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1205, 48.4874, 35.8363** is the 20% darker color. If you saturate the color by 10%, you get **61.2742, 83.7293, 55.7517**, and if you desaturate by 10%, it is **80.4772, 92.9760, 86.1465**.

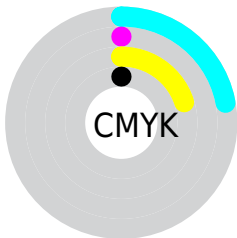
Distribution



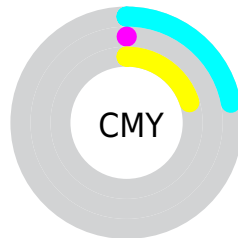
- Red (78%)
- Green (100%)
- Blue (80%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0927, 87.9739, 69.7863 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 70.0927, 87.9739, 69.7863 by changing the saturation by 10% instead.

70.0927, 87.9739,
69.7863

70.0927, 87.9739,
69.7863

450.1368,
521.4178, 478.5681

51.8820, 66.3015,
50.8766

118.3665,
144.5208, 120.5822

37.1349, 48.5172,
35.7344

149.1603,
180.1641, 153.3055

25.4861, 34.2366,
23.9410

184.8791,
221.2331, 191.4704

16.5703, 23.0754,
15.0781

225.8884,
268.1122, 235.4955

10.0220, 14.6492,
8.7270

272.5534,
321.1858, 285.7993

5.4759, 8.5736,
4.4692

325.2396,

2.5667, 4.4641,

380.8384, 342.8003

1.8861

384.3123,
447.4542, 406.9170

0.9290, 1.9364,
0.4839

0.0000, 0.5701,
0.0000

70.0927, 87.9739,
69.7863

70.0927, 87.9739,
69.7863

61.2742, 83.7293,
55.7517

80.4772, 92.9760,
86.1465

53.9438, 80.2044,
43.9333

92.4965, 98.7689,
104.9268

48.0199, 77.3593,
34.2191

95.0500, 100.0000,
108.9000

43.4121, 75.1504,
26.4856

■ 40.0197, 73.5283,
20.5967

■ 37.7273, 72.4371,
16.3987

■ 36.3967, 71.8092,
13.7136

■ 35.8710, 71.5644,
12.5044

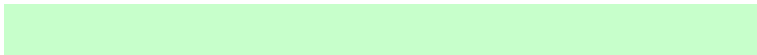
Harmonies

Analogous

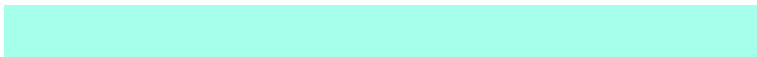
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4509, 87.9739, 57.1493



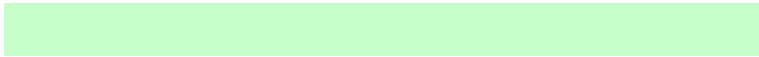
70.0927, 87.9739, 69.7863



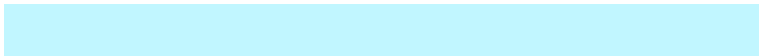
67.3666, 87.9739, 91.4380

Triad

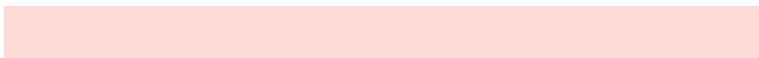
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0927, 87.9739, 69.7863



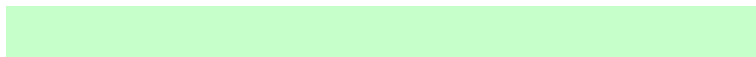
82.0833, 87.9739, 154.8940



100.5109, 87.9739, 76.1675

Complementary

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



70.0927, 87.9739, 69.7863



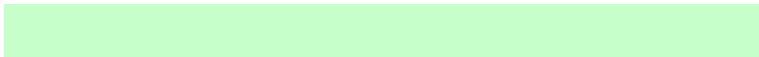
79.0763, 69.0726, 100.4308

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.



102.2897, 87.9739, 100.2751



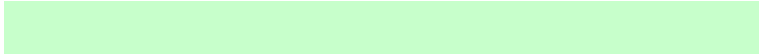
70.0927, 87.9739, 69.7863



91.2166, 87.9739, 148.8036

Square

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



70.0927, 87.9739, 69.7863



73.9612, 87.9739, 142.9557



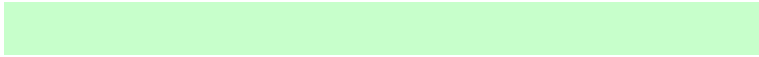
98.7768, 87.9739, 127.5598



94.0776, 87.9739, 60.3381

Rectangle

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



70.0927, 87.9739, 69.7863



67.8211, 87.9739, 109.3033



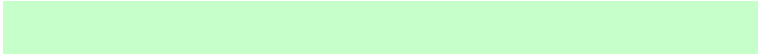
98.7768, 87.9739, 127.5598



101.6918, 87.9739, 83.4365

Sweetspot

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



70.0933, 87.9742, 69.7877



86.2303, 95.7484, 95.1533



85.9488, 96.2024, 68.0727



18.3023, 20.4196, 20.1252



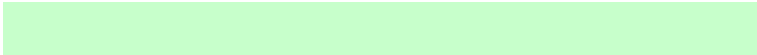
0.0000, 0.0000, 0.0000



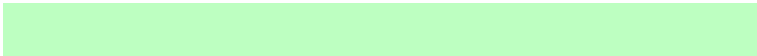
20.3446, 21.4041, 23.3091

Same Dimension

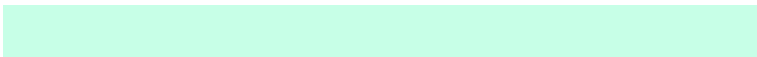
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0933, 87.9742, 69.7877



66.3463, 86.1703, 63.8435



73.6998, 89.4168, 88.7793



17.8242, 20.1892, 19.3772



18.7624, 37.4015, 6.6339



1.8443, 3.6486, 0.7378

Inverse Universe

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



79.0763, 69.0726, 100.4308



76.6698, 64.4449, 99.0574



75.0192, 67.4497, 79.0665



18.7334, 18.2767, 22.4790



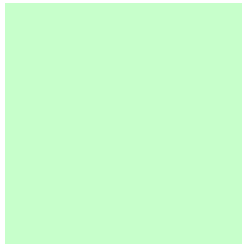
29.5432, 14.3066, 43.1066



2.8926, 1.3994, 4.2820

Previews

White Background



This preview shows how the XYZ color 70.0927, 87.9739, 69.7863 looks on a white background.

Color Contrast Check

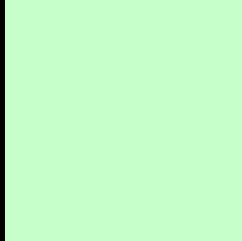
Large Text (above 18pt) WCAG AA × Fail

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 70.0927, 87.9739, 69.7863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

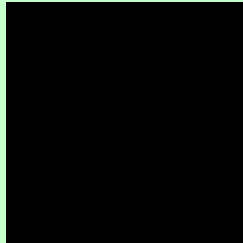
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0927, 87.9739, 69.7863

Background



This preview shows how black text looks on a background with the XYZ color 70.0927, 87.9739, 69.7863.



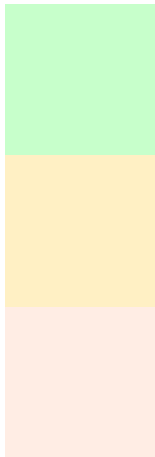
This preview shows how white text looks on a background with the XYZ color 70.0927, 87.9739,

69.7863.

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

70.0927, 87.9739, 69.7863

Protanopia

82.3639, 87.5657, 64.7854

Deuteranopia

85.5278, 87.4298, 85.7666



Tritanopia

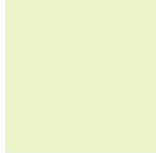
81.1412, 87.7687, 107.2722

Trichromacy



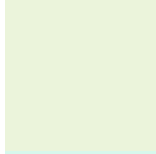
Original Color

70.0927, 87.9739, 69.7863



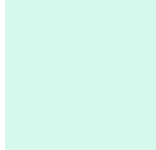
Protanomaly

77.2222, 87.0905, 66.7729



Deuteranomaly

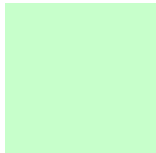
79.3978, 87.4780, 79.7181



Tritanomaly

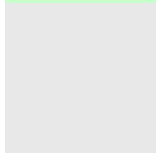
76.7321, 87.6380, 92.2285

Monochromacy



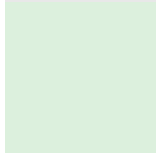
Original Color

70.0927, 87.9739, 69.7863



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.7264, 82.7563, 80.4944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0927, 87.9739, 69.7863 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(199, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 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(199, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 70.0927, 87.9739, 69.7863 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(199, 255, 203) }
```


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

```
.border{ border-color:rgb(199, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0927, 87.9739, 69.7863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 203) }
```

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

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