

Converting Colors

XYZ(69.9669, 87.9513, 67.8737)

Have a look what the booklet for
XYZ(69.9669, 87.9513, 67.8737)
contains.

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Color

**XYZ(70.0047, 87.9695,
67.9338)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FFC8
RGB	200, 255, 200
RGB Percent	78%, 100%, 78%
CMY	0.2157, 0.0000, 0.2157
CMYK	0.22, 0.00, 0.22, 0.00
HSL	120°, 100%, 89%
HSV	120°, 22%, 100%
XYZ	70.0047, 87.9695, 67.9338
YIQ	232.2850, -15.1250, -28.7650

Conversions

Conversions Part 2

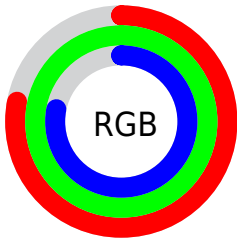
Format	Color
R_{YB}	200, 255, 255
Decimal	13172680
CIE _{Lab}	95.15, -27.54, 20.74
CIE _{LCh}	95, 34.476, 143.026
Yxy	87.9695, 0.3099, 0.3894
Android (android.graphics.Color)	4291362760 (0xFFC8FFC8)
YUV	232.2850, -15.9165, -28.3139
Hunter-Lab	93.7921, -30.9069, 22.7106

Details

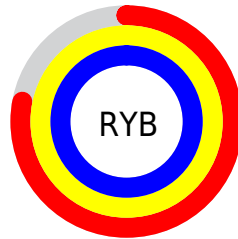
The XYZ color **70.0047, 87.9695, 67.9338** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.9443, 69.7890, 103.8638**, and the grayscale version is **77.0384, 81.0504, 88.2638**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0594, 48.4832, 34.5991** is the 20% darker color. If you saturate the color by 10%, you get **61.0165, 83.6520, 53.2324**, and if you desaturate by 10%, it is **80.6270, 93.0719, 85.3087**.

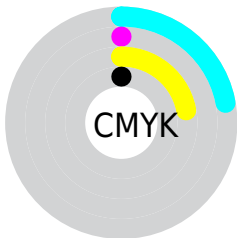
Distribution



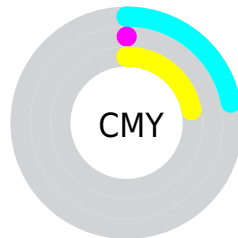
- Red (78%)
- Green (100%)
- Blue (78%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0047, 87.9695, 67.9338 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 70.0047, 87.9695, 67.9338 by changing the saturation by 10% instead.

 70.0047, 87.9695,
67.9338

 70.0047, 87.9695,
67.9338

449.8327,
521.4033, 471.8531

 51.8100, 66.2978,
49.3775


118.2417,
144.5147, 117.9108

 37.0773, 48.5142,
34.5513


149.0147,
180.1570, 150.1685

 25.4413, 34.2343,
23.0367


184.7111,
221.2249, 187.8305

 16.5366, 23.0736,
14.4150

225.6964,
268.1029, 231.3153

 9.9979, 14.6479,
8.2679

272.3358,
321.1754, 281.0414

 5.4598, 8.5726,
4.1766

324.9947,

 2.5570, 4.4635,

380.8267, 337.4274

1.7227

384.0386,
447.4412, 400.8918

■ 0.9241, 1.9361,
0.3762

■ 0.0000, 0.5699,
0.0000

■ 70.0047, 87.9695,
67.9338

■ 70.0047, 87.9695,
67.9338

■ 61.0165, 83.6520,
53.2324

■ 80.6270, 93.0719,
85.3087

■ 53.5797, 80.0797,
41.0682

■ 92.9568, 98.9945,
105.4762

■ 47.6070, 77.2107,
31.2987

■ 95.0500, 100.0000,
108.9000

■ 43.0019, 74.9987,
23.7661

■ 39.6562, 73.3916,
18.2935

■ 37.4455, 72.3296,
14.6774

■ 36.2201, 71.7410,
12.6727

■ 35.7600, 71.5200,
11.9202

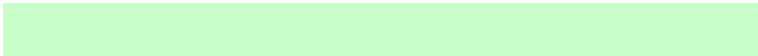
Harmonies

Analogous

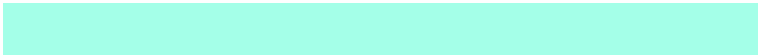
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7488, 87.9695, 55.6490



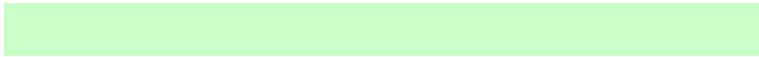
70.0047, 87.9695, 67.9338



66.9445, 87.9695, 89.6426

Triad

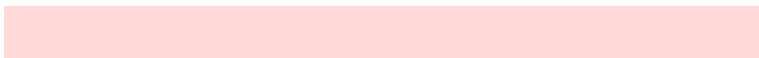
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0047, 87.9695, 67.9338



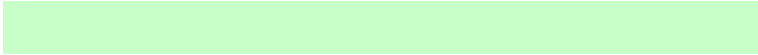
81.4396, 87.9695, 156.8062



101.3496, 87.9695, 76.9529

Complementary

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



70.0047, 87.9695, 67.9338



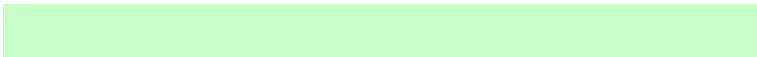
79.9443, 69.7890, 103.8638

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.



102.8399, 87.9695, 102.1993



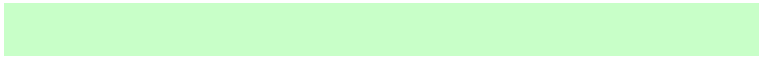
70.0047, 87.9695, 67.9338



90.8734, 87.9695, 151.6737

Square

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



70.0047, 87.9695, 67.9338



73.2187, 87.9695, 143.3044



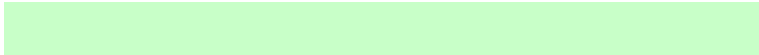
98.8782, 87.9695, 130.3628



94.9459, 87.9695, 60.1352

Rectangle

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



70.0047, 87.9695, 67.9338



67.2302, 87.9695, 107.9142



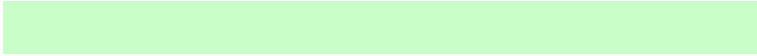
98.8782, 87.9695, 130.3628



102.4605, 87.9695, 84.5984

Sweetspot

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



70.0053, 87.9697, 67.9352



87.2771, 96.2663, 96.1861



87.4254, 96.9502, 68.7497



18.5080, 20.5219, 20.3049



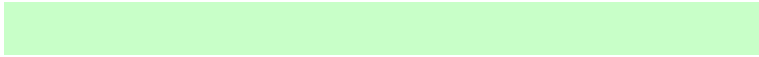
0.0000, 0.0000, 0.0000



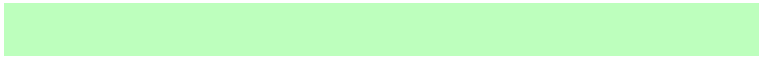
20.3446, 21.4041, 23.3091

Same Dimension

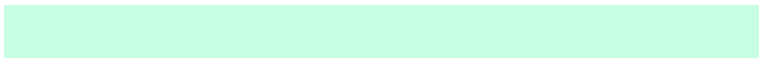
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0053, 87.9697, 67.9352



65.8248, 85.9617, 61.0973



73.5140, 89.3732, 86.4119



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



79.9443, 69.7890, 103.8638



77.4229, 64.7462, 103.0231



75.8289, 68.1428, 82.1920



18.7927, 18.3004, 22.7917



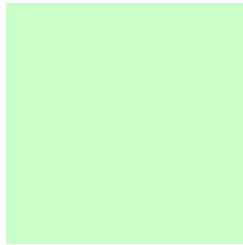
30.9798, 14.8812, 50.6717



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 70.0047, 87.9695, 67.9338 looks on a white background.

Color Contrast Check

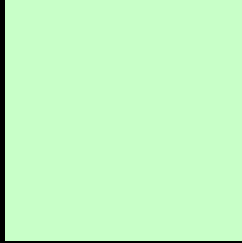
Large Text (above 18pt) WCAG AA × Fail

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 70.0047, 87.9695, 67.9338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

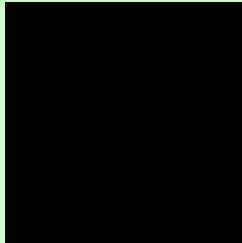
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

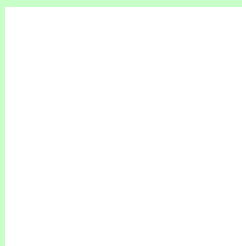
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0047, 87.9695, 67.9338

Background



This preview shows how black text looks on a background with the XYZ color 70.0047, 87.9695, 67.9338.



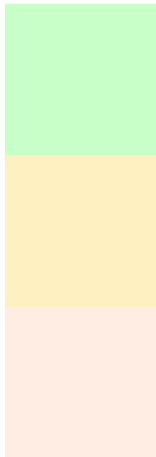
This preview shows how white text looks on a background with the XYZ color 70.0047, 87.9695,

67.9338.

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

70.0047, 87.9695, 67.9338

Protanopia

82.0257, 87.4304, 63.0046

Deuteranopia

85.3893, 87.3744, 85.0375



Tritanopia

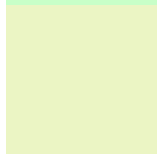
81.4520, 87.9289, 107.2867

Trichromacy



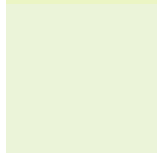
Original Color

70.0047, 87.9695, 67.9338



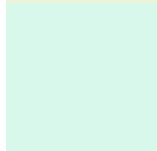
Protanomaly

76.8772, 86.9525, 64.9562



Deuteranomaly

79.1360, 87.3733, 78.3395



Tritanomaly

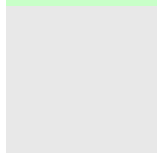
76.8817, 87.7319, 91.4791

Monochromacy



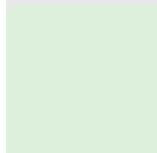
Original Color

70.0047, 87.9695, 67.9338



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.5936, 82.7031, 79.7947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0047, 87.9695, 67.9338 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(200, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 255, 200) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 70.0047, 87.9695, 67.9338 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(200, 255, 200) }
```


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

```
.border{ border-color:rgb(200, 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(200, 255, 200)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 70.0047, 87.9695, 67.9338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(200,  
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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