

Converting Colors

XYZ(69.6166, 87.7918, 66.9019)

Have a look what the booklet for
XYZ(69.6166, 87.7918, 66.9019)
contains.

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Color

**XYZ(69.5062, 87.7393,
66.6981)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFC6
RGB	199, 255, 198
RGB Percent	78%, 100%, 78%
CMY	0.2196, 0.0000, 0.2235
CMYK	0.22, 0.00, 0.22, 0.00
HSL	119°, 100%, 89%
HSV	119°, 22%, 100%
XYZ	69.5062, 87.7393, 66.6981
YIQ	231.7580, -15.0790, -29.5990

Conversions

Conversions Part 2

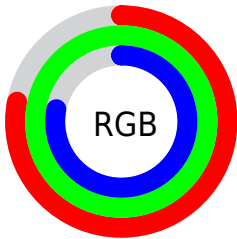
Format	Color
RYB	198, 255, 254
Decimal	13107142
CIELab	95.05, -28.20, 21.61
CIELCh	95, 35.528, 142.534
Yxy	87.7393, 0.3104, 0.3918
Android (android.graphics.Color)	4291297222 (0xFFC7FFC6)
YUV	231.7580, -16.6427, -28.7288
Hunter-Lab	93.6693, -31.4673, 23.3505

Details

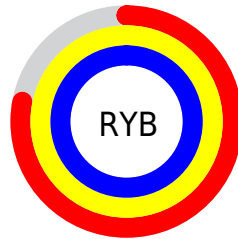
The XYZ color **69.5062, 87.7393, 66.6981** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.1180, 68.6802, 103.6944**, and the grayscale version is **76.6489, 80.6406, 87.8176**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7297, 48.3311, 33.7785** is the 20% darker color. If you saturate the color by 10%, you get **60.6987, 83.5106, 52.2031**, and if you desaturate by 10%, it is **79.9044, 92.7308, 83.8550**.

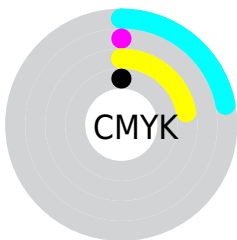
Distribution



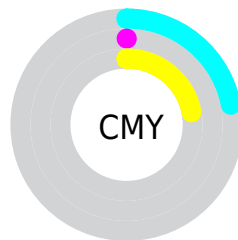
- Red (78%)
- Green (100%)
- Blue (78%)



- 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 69.5062, 87.7393, 66.6981 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 69.5062, 87.7393, 66.6981 by changing the saturation by 10% instead.

69.5062, 87.7393,
66.6981

69.5062, 87.7393,
66.6981

448.1078,
520.6491, 467.3416

51.4022, 66.1072,
48.3793

117.5344,
144.1942, 116.1242

36.7511, 48.3594,
33.7652

148.1893,
179.7857, 148.0686

25.1877, 34.1116,
22.4374

183.7586,
220.7991, 185.3920

16.3464, 22.9793,
13.9773

224.6076,
267.6189, 228.5128

9.8620, 14.5783,
7.9663

271.1017,
320.6294, 277.8496

5.3691, 8.5239,
3.9859

323.6061,

2.5024, 4.4320,

380.2150, 333.8210

1.6176

382.4864,
446.7601, 396.8455

■ 0.8965, 1.9180,
0.3033

■ 0.0000, 0.5592,
0.0000

■ 69.5062, 87.7393,
66.6981

■ 69.5062, 87.7393,
66.6981

■ 60.6987, 83.5106,
52.2031

■ 79.9044, 92.7308,
83.8550

■ 53.4019, 80.0064,
40.2329

■ 91.9644, 98.5192,
103.7934

■ 47.5314, 77.1862,
30.6443

■ 95.0500, 100.0000,
108.9000

■ 42.9940, 75.0053,
23.2783

■ 39.6852, 73.4140,
17.9565

■ 37.4851, 72.3546,
14.4730

■ 36.2498, 71.7584,
12.5790

■ 35.8159, 71.5488,
11.9226

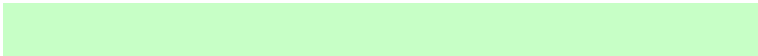
Harmonies

Analogous

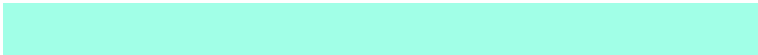
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4777, 87.7393, 54.3507



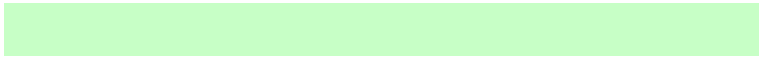
69.5062, 87.7393, 66.6981



66.3036, 87.7393, 88.7885

Triad

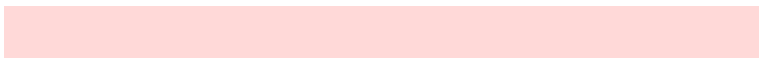
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5062, 87.7393, 66.6981



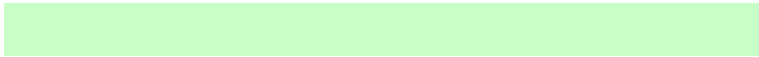
81.0040, 87.7393, 158.5592



101.7476, 87.7393, 76.5675

Complementary

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



69.5062, 87.7393, 66.6981



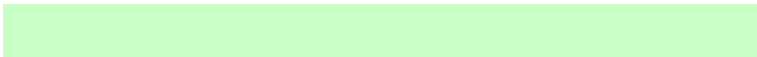
79.1180, 68.6802, 103.6944

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.



103.1935, 87.7393, 102.6110



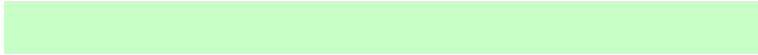
69.5062, 87.7393, 66.6981



90.7142, 87.7393, 153.5530

Square

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



69.5062, 87.7393, 66.6981



72.6005, 87.7393, 144.2653



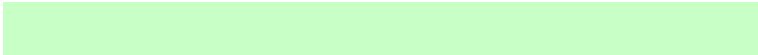
99.0175, 87.7393, 131.6708



95.2066, 87.7393, 59.2344

Rectangle

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



69.5062, 87.7393, 66.6981



66.5487, 87.7393, 107.5456



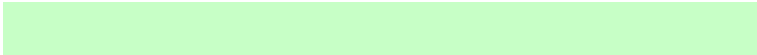
99.0175, 87.7393, 131.6708



102.8651, 87.7393, 84.4503

Sweetspot

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



69.5068, 87.7396, 66.6995



86.1478, 95.7275, 94.1725



86.5902, 95.6511, 67.3261



18.2833, 20.4148, 19.8991



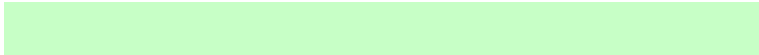
0.0000, 0.0000, 0.0000



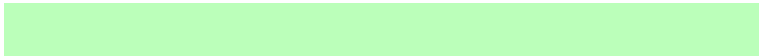
20.3446, 21.4041, 23.3091

Same Dimension

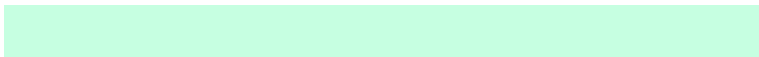
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5068, 87.7396, 66.6995



65.2198, 85.6814, 59.6387



72.5855, 88.9406, 84.2908



17.8010, 20.1833, 19.1019



18.7273, 37.3924, 6.2304



1.8333, 3.6459, 0.6071

Inverse Universe

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



79.1180, 68.6802, 103.6944



76.4380, 63.4329, 102.8228



75.4939, 67.2729, 82.6970



18.7593, 18.2832, 22.7902



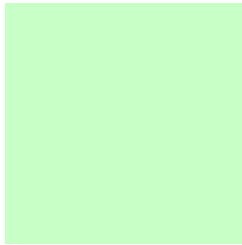
30.1454, 14.4510, 50.6351



2.9448, 1.4120, 4.9306

Previews

White Background



This preview shows how the XYZ color 69.5062, 87.7393, 66.6981 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 69.5062, 87.7393, 66.6981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

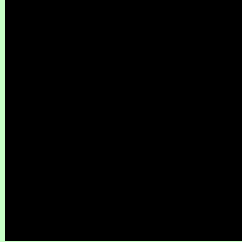
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5062, 87.7393, 66.6981

Background



This preview shows how black text looks on a background with the XYZ color 69.5062, 87.7393, 66.6981.

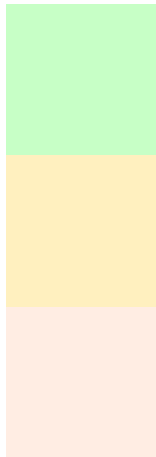


This preview shows how white text looks on a background with the XYZ color 69.5062, 87.7393,

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

69.5062, 87.7393, 66.6981

Protanopia

81.8041, 87.3418, 61.8373

Deuteranopia

85.3893, 87.3744, 85.0375



Tritanopia

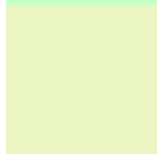
80.8411, 87.1685, 107.1722

Trichromacy



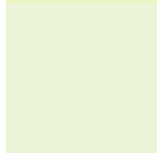
Original Color

69.5062, 87.7393, 66.6981



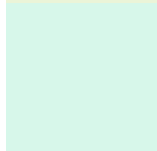
Protanomaly

76.6510, 86.8620, 63.7650



Deuteranomaly

79.0063, 87.3214, 77.6564



Tritanomaly

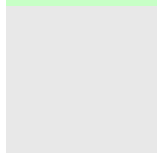
76.1364, 86.9091, 90.6042

Monochromacy



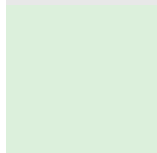
Original Color

69.5062, 87.7393, 66.6981



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 69.5062, 87.7393, 66.6981 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 69.5062, 87.7393, 66.6981 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, 198) }
```


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

```
.border{ border-color:rgb(199, 255, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5062, 87.7393, 66.6981 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, 198) }
```

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

```
.background{ background-color: rgb(199,  
255, 198) }
```

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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