

Converting Colors

XYZ(69.7937, 87.8681, 67.5886)

Have a look what the booklet for
XYZ(69.7937, 87.8681, 67.5886)
contains.

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Color

**XYZ(69.6220, 87.7856,
67.3077)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFC7
RGB	199, 255, 199
RGB Percent	78%, 100%, 78%
CMY	0.2196, 0.0000, 0.2196
CMYK	0.22, 0.00, 0.22, 0.00
HSL	120°, 100%, 89%
HSV	120°, 22%, 100%
XYZ	69.6220, 87.7856, 67.3077
YIQ	231.8720, -15.4000, -29.2880

Conversions

Conversions Part 2

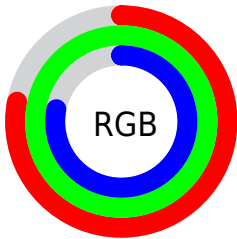
Format	Color
RYB	199, 255, 255
Decimal	13107143
CIELab	95.07, -28.03, 21.13
CIELCh	95, 35.104, 142.994
Yxy	87.7856, 0.3098, 0.3907
Android (android.graphics.Color)	4291297223 (0xFFC7FFC7)
YUV	231.8720, -16.2059, -28.8287
Hunter-Lab	93.6940, -31.3249, 22.9931

Details

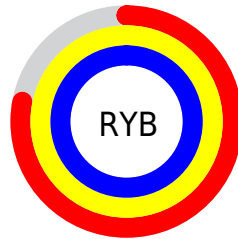
The XYZ color **69.6220, 87.7856, 67.3077** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.7136, 69.3275, 103.7872**, and the grayscale version is **76.7313, 80.7273, 87.9120**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8065, 48.3618, 34.1829** is the 20% darker color. If you saturate the color by 10%, you get **60.6962, 83.4981, 52.7084**, and if you desaturate by 10%, it is **80.1789, 92.8566, 84.5756**.

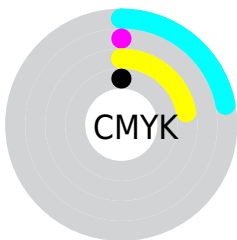
Distribution



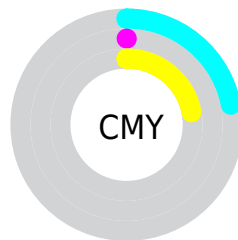
- Red (78%)
- Green (100%)
- Blue (78%)



- 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 69.6220, 87.7856, 67.3077 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 69.6220, 87.7856, 67.3077 by changing the saturation by 10% instead.

69.6220, 87.7856,
67.3077

69.6220, 87.7856,
67.3077

448.5088,
520.8009, 469.5705

51.4969, 66.1455,
48.8716

117.6988,
144.2586, 117.0060

36.8269, 48.3905,
34.1527

148.3811,
179.8604, 149.1053

25.2465, 34.1363,
22.7326

183.9800,
220.8848, 186.5960

16.3905, 22.9983,
14.1928

224.8607,
267.7163, 229.8968

9.8935, 14.5923,
8.1146

271.3885,
320.7392, 279.4261

5.3901, 8.5337,
4.0795

323.9289,

2.5150, 4.4383,

380.3381, 335.6024

1.6691

382.8472,
446.8971, 398.8444

■ 0.9028, 1.9217,
0.3394

■ 0.0000, 0.5613,
0.0000

■ 69.6220, 87.7856,
67.3077

■ 69.6220, 87.7856,
67.3077

■ 60.6962, 83.4981,
52.7084

■ 80.1789, 92.8566,
84.5756

■ 53.3185, 79.9542,
40.6407

■ 92.4404, 98.7465,
104.6316

■ 47.4014, 77.1119,
30.9621

■ 95.0500, 100.0000,
108.9000

■ 42.8478, 74.9246,
23.5137

■ 39.5490, 73.3401,
18.1180

■ 37.3800, 72.2982,
14.5700

■ 36.1896, 71.7264,
12.6228

■ 35.7600, 71.5200,
11.9201

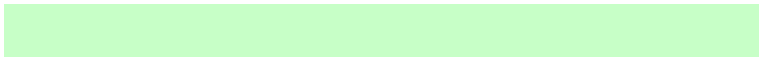
Harmonies

Analogous

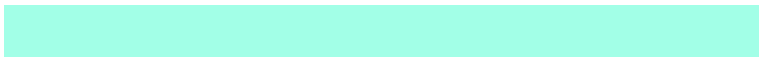
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4712, 87.7856, 54.9016



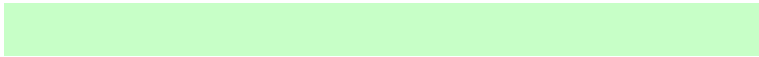
69.6220, 87.7856, 67.3077



66.5142, 87.7856, 89.3147

Triad

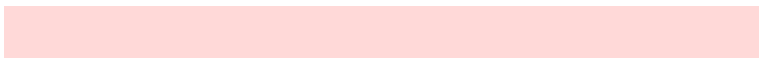
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6220, 87.7856, 67.3077



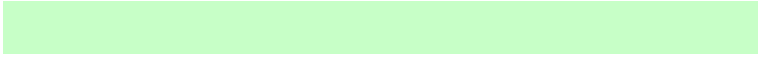
81.2189, 87.7856, 157.8237



101.4993, 87.7856, 76.4851

Complementary

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



69.6220, 87.7856, 67.3077



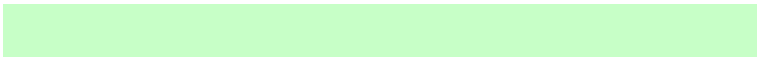
79.7136, 69.3275, 103.7872

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.



103.0125, 87.7856, 102.1392



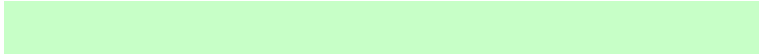
69.6220, 87.7856, 67.3077



90.8147, 87.7856, 152.5961

Square

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



69.6220, 87.7856, 67.3077



72.8708, 87.7856, 144.0051



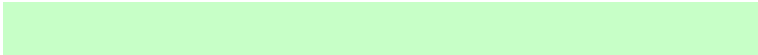
98.9696, 87.7856, 130.8410



94.9795, 87.7856, 59.4519

Rectangle

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



69.6220, 87.7856, 67.3077



66.8009, 87.7856, 107.8968



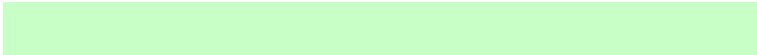
98.9696, 87.7856, 130.8410



102.6298, 87.7856, 84.2447

Sweetspot

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



69.6226, 87.7859, 67.3091



86.0432, 95.6736, 94.1678



87.3090, 96.9036, 68.1363



18.2592, 20.4024, 19.8980



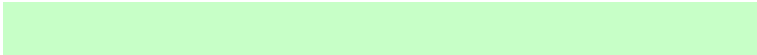
0.0000, 0.0000, 0.0000



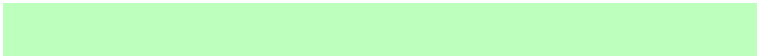
20.3446, 21.4041, 23.3091

Same Dimension

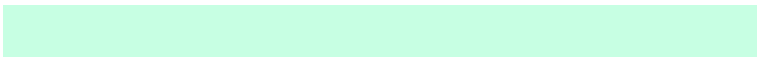
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6226, 87.7859, 67.3091



65.8248, 85.9616, 61.0970



73.1788, 89.2084, 86.0356



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



79.7136, 69.3275, 103.7872



77.4230, 64.7462, 103.0236



75.5290, 67.6536, 81.7512



18.7928, 18.3004, 22.7917



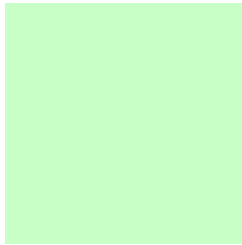
30.9800, 14.8813, 50.6726



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 69.6220, 87.7856, 67.3077 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 69.6220, 87.7856, 67.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

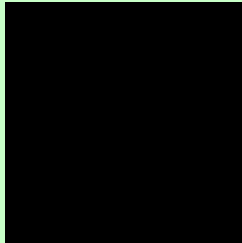
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

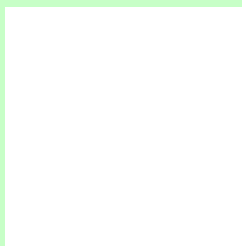
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6220, 87.7856, 67.3077

Background



This preview shows how black text looks on a background with the XYZ color 69.6220, 87.7856, 67.3077.

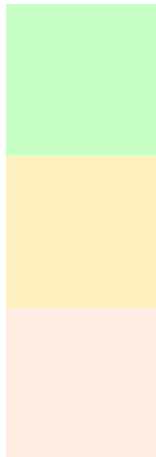


This preview shows how white text looks on a background with the XYZ color 69.6220, 87.7856,

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

69.6220, 87.7856, 67.3077

Protanopia

81.9145, 87.3859, 62.4190

Deuteranopia

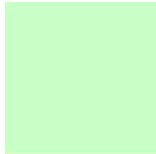
85.3893, 87.3744, 85.0375



Tritanopia

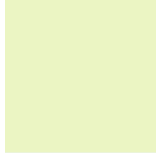
81.1412, 87.7687, 107.2722

Trichromacy



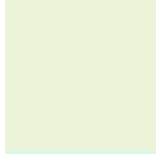
Original Color

69.6220, 87.7856, 67.3077



Protanomaly

76.7637, 86.9071, 64.3586



Deuteranomaly

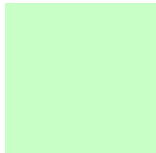
79.1360, 87.3733, 78.3395



Tritanomaly

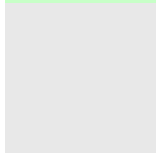
76.5871, 87.5800, 91.4653

Monochromacy



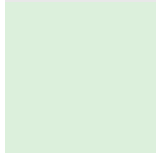
Original Color

69.6220, 87.7856, 67.3077



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 69.6220, 87.7856, 67.3077 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, 199)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 69.6220, 87.7856, 67.3077 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, 199) }
```


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

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

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

Background

The CSS property to change the background color of an element to XYZ 69.6220, 87.7856, 67.3077 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, 199) }
```

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

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