

Converting Colors

XYZ(68.5732, 86.9177, 82.0442)

Have a look what the booklet for
XYZ(68.5732, 86.9177, 82.0442)
contains.

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Color

**XYZ(68.7120, 86.9843,
82.2754)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFDE
RGB	184, 255, 222
RGB Percent	72%, 100%, 87%
CMY	0.2784, 0.0000, 0.1294
CMYK	0.28, 0.00, 0.13, 0.00
HSL	152°, 100%, 86%
HSV	152°, 28%, 100%
XYZ	68.7120, 86.9843, 82.2754
YIQ	230.0090, -31.7230, -25.3150

Conversions

Conversions Part 2

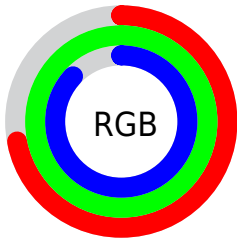
Format	Color
RYB	184, 230, 255
Decimal	12124126
CIELab	94.73, -28.54, 8.75
CIELCh	95, 29.856, 162.956
Yxy	86.9843, 0.2887, 0.3655
Android (android.graphics.Color)	4290314206 (0xFFB8FFDE)
YUV	230.0090, -3.9484, -40.3499
Hunter-Lab	93.2654, -31.7069, 12.9822

Details

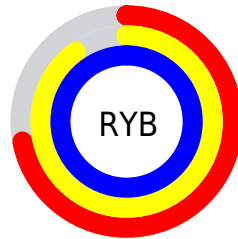
The XYZ color **68.7120, 86.9843, 82.2754** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9054, 60.5517, 73.5963**, and the grayscale version is **75.2653, 79.1850, 86.2324**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **36.2224, 47.8453, 43.8852** is the 20% darker color. If you saturate the color by 10%, you get **61.6111, 83.5008, 73.9410**, and if you desaturate by 10%, it is **77.0271, 91.0808, 91.2524**.

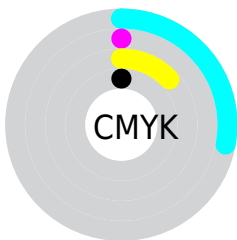
Distribution



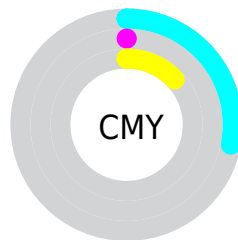
- Red (72%)
- Green (100%)
- Blue (87%)



- Red (72%)
- Yellow (90%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7120, 86.9843, 82.2754 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 68.7120, 86.9843, 82.2754 by changing the saturation by 10% instead.


 68.7120, 86.9843,
82.2754

 68.7120, 86.9843,
82.2754


445.3518,
518.1713, 522.4760

 50.7530, 65.4822,
61.0554

 116.4065,
143.1423, 138.4003

 36.2323, 47.8522,
43.8391


146.8726,
178.5669, 174.1423

 24.7846, 33.7099,
30.2077


182.2385,
219.4012, 215.5620

 16.0445, 22.6708,
19.7429

222.8695,
266.0296, 263.0781

 9.6467, 14.3506,
12.0261

269.1310,
318.8364, 317.1090

 5.2258, 8.3649,
6.6387

321.3883,

 2.4165, 4.3293,

378.2060, 378.0732

3.1622

380.0068,
444.5228, 446.3894

■ 0.8533, 1.8594,
1.1780

■ 0.0000, 0.5238,
0.0000

■ 68.7120, 86.9843,
82.2754

■ 68.7120, 86.9843,
82.2754

■ 61.6111, 83.5008,
73.9410

■ 77.0271, 91.0808,
91.2524

■ 55.6607, 80.5977,
66.2300

■ 86.6111, 95.8183,
100.8819

■ 50.7945, 78.2412,
59.1287

95.0500, 100.0000,
108.9000

■ 46.9380, 76.3932,
52.6206

■ 44.0070, 75.0104,
46.6889

■ 41.9022, 74.0422,
41.3150

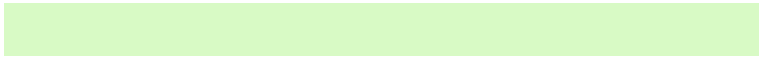
■ 40.4920, 73.4207,
36.4787

■ 40.2383, 73.3113,
35.5024

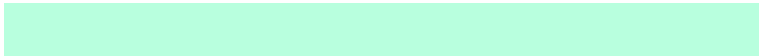
Harmonies

Analogous

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



72.5478, 86.9843, 65.7715



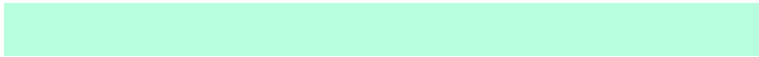
68.7120, 86.9843, 82.2754



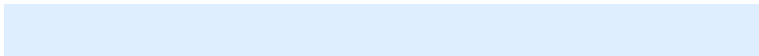
68.4591, 86.9843, 105.0266

Triad

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



68.7120, 86.9843, 82.2754



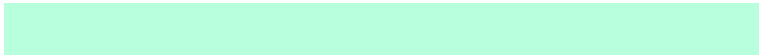
86.2035, 86.9843, 144.9477



94.5586, 86.9843, 67.5446

Complementary

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



68.7120, 86.9843, 82.2754



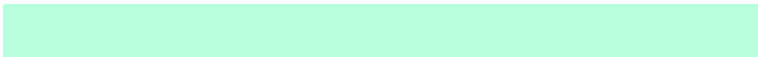
70.9054, 60.5517, 73.5963

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.



98.7362, 86.9843, 85.0942



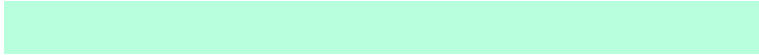
68.7120, 86.9843, 82.2754



93.7054, 86.9843, 131.0946

Square

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



68.7120, 86.9843, 82.2754



78.2114, 86.9843, 143.8610



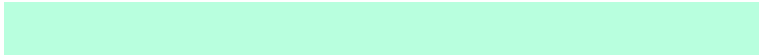
98.4142, 86.9843, 108.3407



87.3073, 86.9843, 58.2644

Rectangle

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



68.7120, 86.9843, 82.2754



70.3290, 86.9843, 120.9973



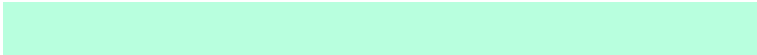
98.4142, 86.9843, 108.3407



96.3895, 86.9843, 72.5376

Sweetspot

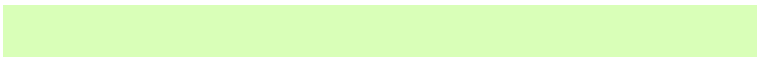
The Sweet Spot groups the original color and five complimentary colors.



68.7128, 86.9847, 82.2768



86.4498, 95.7384, 100.7248



73.0672, 89.7531, 58.8217



18.1780, 20.3307, 21.2404



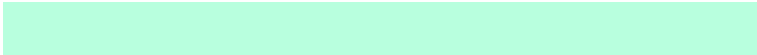
0.0000, 0.0000, 0.0000



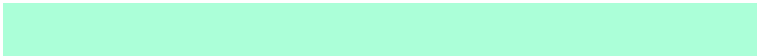
20.3446, 21.4041, 23.3091

Same Dimension

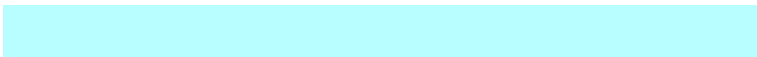
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7128, 86.9847, 82.2768



64.9023, 85.1132, 77.8984



72.8274, 87.4299, 107.6450



18.1780, 20.3307, 21.2404



21.1016, 38.3372, 18.9523



2.1098, 3.7548, 2.1361

Inverse Universe

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



70.9054, 60.5517, 73.5963



67.4026, 54.9804, 68.0070



67.5287, 59.9942, 53.3695



18.3607, 18.1276, 20.5164



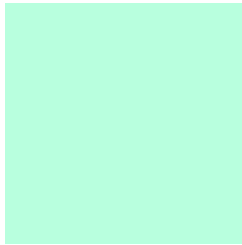
23.3473, 11.8282, 10.4791



2.3278, 1.1735, 1.3074

Previews

White Background



This preview shows how the XYZ color 68.7120, 86.9843, 82.2754 looks on a white background.

Color Contrast Check

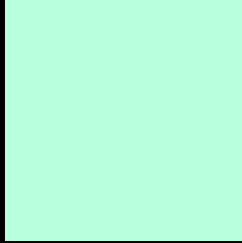
Large Text (above 18pt) WCAG AA × Fail

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 68.7120, 86.9843, 82.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

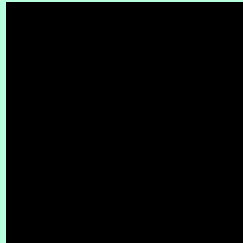
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7120, 86.9843, 82.2754

Background



This preview shows how black text looks on a background with the XYZ color 68.7120, 86.9843, 82.2754.



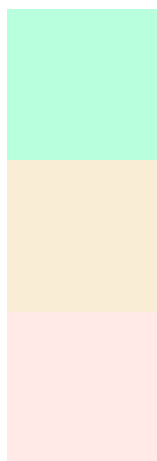
This preview shows how white text looks on a background with the XYZ color 68.7120, 86.9843,

82.2754.

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

68.7120, 86.9843, 82.2754

Protanopia

81.6517, 86.0929, 75.2649

Deuteranopia

85.2283, 85.9318, 88.4384



Tritanopia

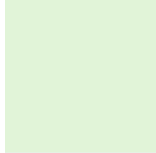
78.7196, 86.5203, 107.1589

Trichromacy



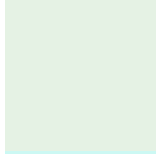
Original Color

68.7120, 86.9843, 82.2754



Protanomaly

75.7967, 85.6668, 77.5062



Deuteranomaly

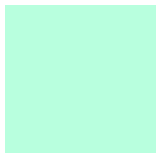
78.0688, 85.7637, 85.8382



Tritanomaly

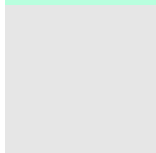
74.6469, 86.4432, 97.5449

Monochromacy



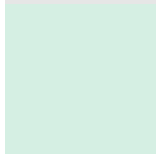
Original Color

68.7120, 86.9843, 82.2754



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.1722, 81.4252, 84.5858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7120, 86.9843, 82.2754 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(184, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 222)  
}
```

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(184, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 68.7120, 86.9843, 82.2754 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(184, 255, 222) }
```


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

```
.border{ border-color:rgb(184, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7120, 86.9843, 82.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 222) }
```

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

```
.background{ background-color: rgb(184,  
255, 222) }
```

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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