

Converting Colors

XYZ(68.5838, 86.9308, 81.6987)

Have a look what the booklet for
XYZ(68.5838, 86.9308, 81.6987)
contains.

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Color

**XYZ(68.5783, 86.9308,
81.5715)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFDD
RGB	184, 255, 221
RGB Percent	72%, 100%, 87%
CMY	0.2784, 0.0000, 0.1333
CMYK	0.28, 0.00, 0.13, 0.00
HSL	151°, 100%, 86%
HSV	151°, 28%, 100%
XYZ	68.5783, 86.9308, 81.5715
YIQ	229.8950, -31.4020, -25.6260

Conversions

Conversions Part 2

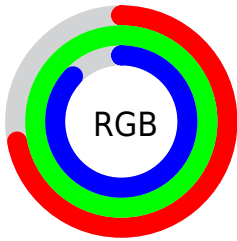
Format	Color
RYB	184, 231, 255
Decimal	12124125
CIELab	94.71, -28.74, 9.23
CIELCh	95, 30.185, 162.189
Yxy	86.9308, 0.2893, 0.3667
Android (android.graphics.Color)	4290314205 (0xFFB8FFDD)
YUV	229.8950, -4.3852, -40.2499
Hunter-Lab	93.2367, -31.8723, 13.3937

Details

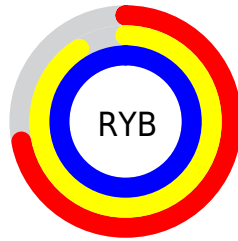
The XYZ color **68.5783, 86.9308, 81.5715** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0358, 60.6038, 74.2835**, and the grayscale version is **75.1839, 79.0993, 86.1392**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **36.1303, 47.8085, 43.4001** is the 20% darker color. If you saturate the color by 10%, you get **61.4423, 83.4332, 73.0520**, and if you desaturate by 10%, it is **76.9352, 91.0440, 90.7687**.

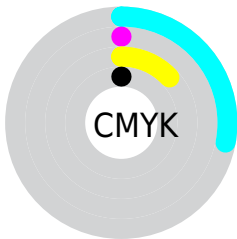
Distribution



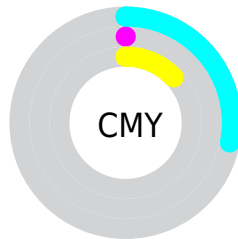
- Red (72%)
- Green (100%)
- Blue (87%)



- Red (72%)
- Yellow (91%)
- 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 68.5783, 86.9308, 81.5715 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 68.5783, 86.9308, 81.5715 by changing the saturation by 10% instead.


 68.5783, 86.9308,
81.5715

 68.5783, 86.9308,
81.5715


444.8869,
517.9955, 520.0590

 50.6437, 65.4379,
60.4786


 116.2164,
143.0677, 137.4042

 36.1451, 47.8163,
43.3767


146.6507,
178.4805, 172.9812

 24.7169, 33.6814,
29.8472

181.9823,
219.3021, 214.2232

 15.9938, 22.6490,
19.4716

222.5765,
265.9168, 261.5489

 9.6106, 14.3345,
11.8313

268.7987,
318.7092, 315.3768

 5.2018, 8.3537,
6.5078

321.0143,

 2.4021, 4.3221,

378.0634, 376.1254

3.0825

379.5886,
444.3641, 444.2133

■ 0.8462, 1.8553,
1.1369

■ 0.0000, 0.5213,
0.0000

■ 68.5783, 86.9308,
81.5715

■ 68.5783, 86.9308,
81.5715

■ 61.4423, 83.4332,
73.0520

■ 76.9352, 91.0440,
90.7687

■ 55.4632, 80.5187,
65.1899

■ 86.5679, 95.8010,
100.6547

■ 50.5745, 78.1532,
57.9702

95.0500, 100.0000,
108.9000

■ 46.7015, 76.2986,
51.3752

■ 43.7597, 74.9115,
45.3866

■ 41.6496, 73.9411,
39.9847

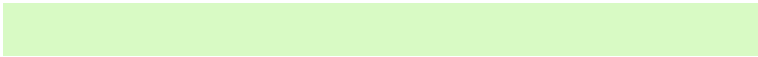
■ 40.2392, 73.3196,
35.1475

■ 39.9861, 73.2104,
34.1743

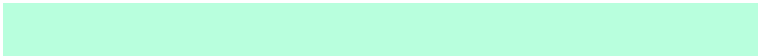
Harmonies

Analogous

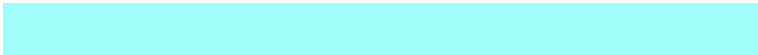
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5362, 86.9308, 65.1280



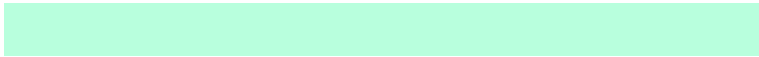
68.5783, 86.9308, 81.5715



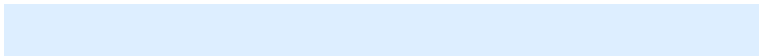
68.2274, 86.9308, 104.4541

Triad

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



68.5783, 86.9308, 81.5715



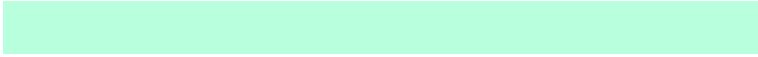
85.9801, 86.9308, 145.6787



94.7953, 86.9308, 67.5854

Complementary

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



68.5783, 86.9308, 81.5715



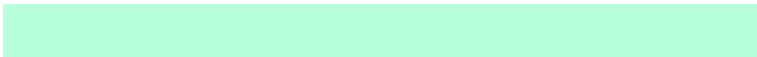
71.0358, 60.6038, 74.2835

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.



98.9180, 86.9308, 85.4848



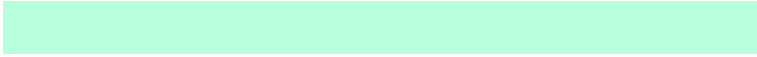
68.5783, 86.9308, 81.5715



93.6087, 86.9308, 131.9743

Square

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



68.5783, 86.9308, 81.5715



77.9214, 86.9308, 144.1645



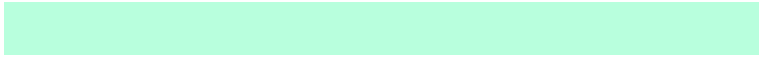
98.4699, 86.9308, 109.0629



87.5144, 86.9308, 58.0145

Rectangle

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



68.5783, 86.9308, 81.5715



70.0535, 86.9308, 120.6459



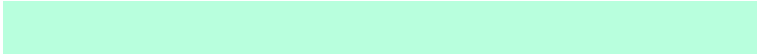
98.4699, 86.9308, 109.0629



96.6173, 86.9308, 72.6902

Sweetspot

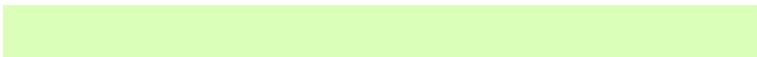
The Sweet Spot groups the original color and five complimentary colors.



68.5791, 86.9312, 81.5729



86.4058, 95.7209, 100.4933



73.4205, 89.9352, 58.8381



18.1670, 20.3263, 21.1821



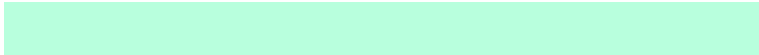
0.0000, 0.0000, 0.0000



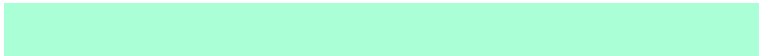
20.3446, 21.4041, 23.3091

Same Dimension

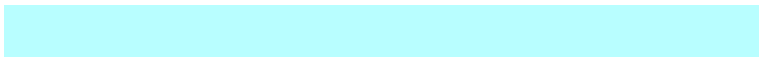
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5791, 86.9312, 81.5729



64.7497, 85.0522, 77.0948



73.2013, 88.1779, 107.7697



18.1670, 20.3263, 21.1821



20.9696, 38.2844, 18.2570



2.0970, 3.7497, 2.0685

Inverse Universe

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



71.0358, 60.6038, 74.2835



67.5508, 55.0397, 68.7874



67.2797, 59.4963, 53.2865



18.3716, 18.1320, 20.5742



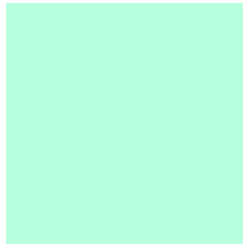
23.4623, 11.8742, 11.0850



2.3393, 1.1781, 1.3680

Previews

White Background



This preview shows how the XYZ color 68.5783, 86.9308, 81.5715 looks on a white background.

Color Contrast Check

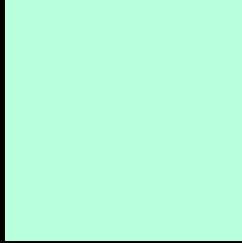
Large Text (above 18pt) WCAG AA × Fail

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 68.5783, 86.9308, 81.5715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

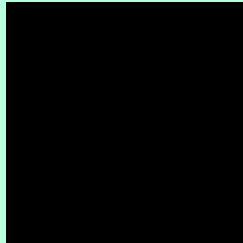
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

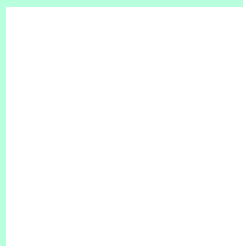
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5783, 86.9308, 81.5715

Background



This preview shows how black text looks on a background with the XYZ color 68.5783, 86.9308, 81.5715.



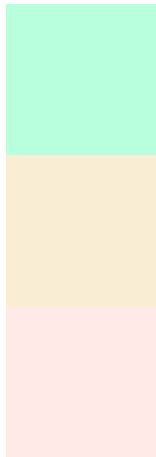
This preview shows how white text looks on a background with the XYZ color 68.5783, 86.9308,

81.5715.

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

68.5783, 86.9308, 81.5715

Protanopia

81.5251, 86.0423, 74.5983

Deuteranopia

85.2283, 85.9318, 88.4384



Tritanopia

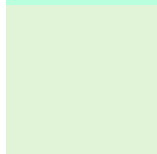
78.7196, 86.5203, 107.1589

Trichromacy



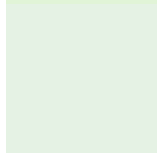
Original Color

68.5783, 86.9308, 81.5715



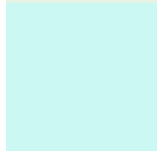
Protanomaly

75.6678, 85.6152, 76.8273



Deuteranomaly

78.0688, 85.7637, 85.8382



Tritanomaly

74.6469, 86.4432, 97.5449

Monochromacy



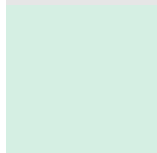
Original Color

68.5783, 86.9308, 81.5715



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 68.5783, 86.9308, 81.5715 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 68.5783, 86.9308, 81.5715 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, 221) }
```


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

```
.border{ border-color:rgb(184, 255, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5783, 86.9308, 81.5715 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, 221) }
```

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

```
.background{ background-color: rgb(184,  
255, 221) }
```

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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