

Converting Colors

XYZ(68.8113, 86.9691, 85.2803)

Have a look what the booklet for
XYZ(68.8113, 86.9691, 85.2803)
contains.

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Color

**XYZ(68.7789, 86.9561,
85.1107)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FFE2
RGB	182, 255, 226
RGB Percent	71%, 100%, 89%
CMY	0.2863, 0.0000, 0.1137
CMYK	0.29, 0.00, 0.11, 0.00
HSL	156°, 100%, 86%
HSV	156°, 29%, 100%
XYZ	68.7789, 86.9561, 85.1107
YIQ	229.8670, -34.1990, -24.4950

Conversions

Conversions Part 2

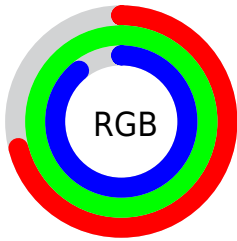
Format	Color
RYB	182, 228, 255
Decimal	11993058
CIELab	94.72, -28.35, 6.66
CIELCh	95, 29.120, 166.776
Yxy	86.9561, 0.2856, 0.3610
Android (android.graphics.Color)	4290183138 (0xFFB6FFE2)
YUV	229.8670, -1.9064, -41.9794
Hunter-Lab	93.2503, -31.5311, 11.1604

Details

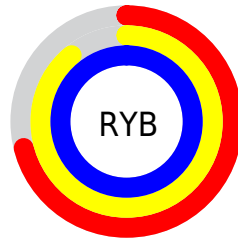
The XYZ color **68.7789, 86.9561, 85.1107** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.7264, 59.4201, 69.4226**, and the grayscale version is **75.1470, 79.0605, 86.0969**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **36.2972, 47.8405, 45.8491** is the 20% darker color. If you saturate the color by 10%, you get **61.9459, 83.5894, 77.7486**, and if you desaturate by 10%, it is **76.7922, 90.9217, 92.9595**.

Distribution



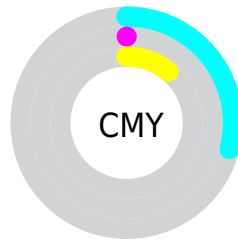
- Red (71%)
- Green (100%)
- Blue (89%)



- Red (71%)
- Yellow (89%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7789, 86.9561, 85.1107 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 68.7789, 86.9561, 85.1107 by changing the saturation by 10% instead.


 68.7789, 86.9561,
85.1107

 68.7789, 86.9561,
85.1107


445.5844,
518.0786, 532.1484

 50.8077, 65.4589,
63.3822


 116.5015,
143.1029, 142.4034

 36.2760, 47.8333,
45.7075


146.9836,
178.5214, 178.8046

 24.8185, 33.6949,
31.6680


182.3667,
219.3490, 220.9338

 16.0699, 22.6593,
20.8454

223.0161,
265.9702, 269.2095

 9.6648, 14.3421,
12.8209

269.2972,
318.7693, 324.0503

 5.2378, 8.3590,
7.1760

321.5754,

 2.4237, 4.3255,

378.1308, 385.8747

3.4923

380.2160,
444.4391, 455.1012

■ 0.8569, 1.8573,
1.3512

■ 0.0000, 0.5225,
0.1032

■ 68.7789, 86.9561,
85.1107

■ 68.7789, 86.9561,
85.1107

■ 61.9459, 83.5894,
77.7486

■ 76.7922, 90.9217,
92.9595

■ 56.2298, 80.7892,
70.8588

■ 86.0398, 95.5139,
101.3007

■ 51.5647, 78.5217,
64.4321

95.0500, 100.0000,
108.9000

■ 47.8765, 76.7488,
58.4573

■ 45.0810, 75.4273,
52.9224

■ 43.0786, 74.5060,
47.8146

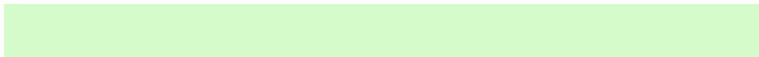
■ 41.7281, 73.9123,
43.1187

■ 41.5679, 73.8432,
42.5042

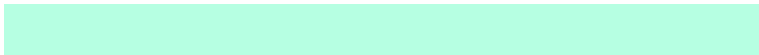
Harmonies

Analogous

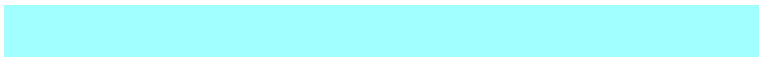
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1079, 86.9561, 67.9991



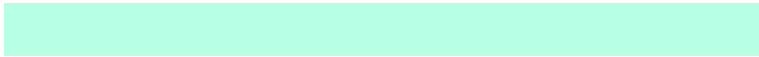
68.7789, 86.9561, 85.1107



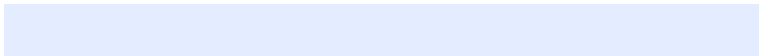
68.9939, 86.9561, 107.7450

Triad

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



68.7789, 86.9561, 85.1107



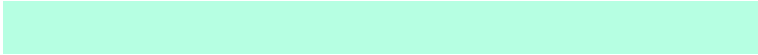
87.0932, 86.9561, 142.5181



93.4492, 86.9561, 66.4873

Complementary

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



68.7789, 86.9561, 85.1107



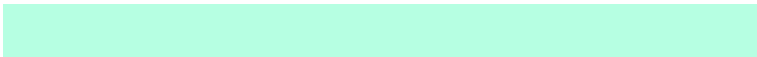
69.7264, 59.4201, 69.4226

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.



97.9969, 86.9561, 82.7170



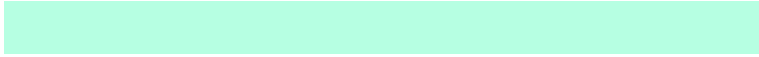
68.7789, 86.9561, 85.1107



94.1708, 86.9561, 127.5615

Square

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



68.7789, 86.9561, 85.1107



79.2364, 86.9561, 143.4331



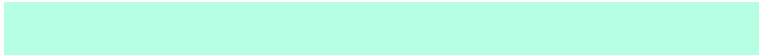
98.2690, 86.9561, 104.9418



86.1585, 86.9561, 58.4547

Rectangle

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



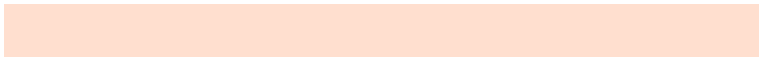
68.7789, 86.9561, 85.1107



71.1138, 86.9561, 123.0616



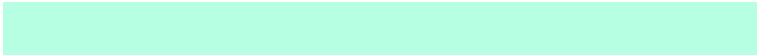
98.2690, 86.9561, 104.9418



95.3690, 86.9561, 71.0372

Sweetspot

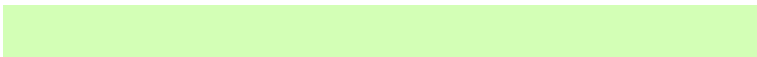
The Sweet Spot groups the original color and five complimentary colors.



68.7797, 86.9565, 85.1121



85.6716, 95.3308, 100.9801



71.1255, 88.7762, 57.6441



18.0339, 20.2539, 21.3481



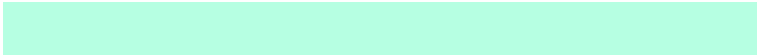
0.0000, 0.0000, 0.0000



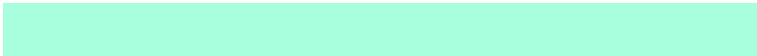
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7797, 86.9565, 85.1121



64.9648, 85.0748, 81.0958



70.8173, 84.1160, 107.1113



18.2314, 20.3521, 21.5215



21.7958, 38.6149, 22.6079



2.1761, 3.7814, 2.4851

Inverse Universe

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



69.7264, 59.4201, 69.4226



66.0468, 53.6756, 63.2178



67.9464, 61.1629, 52.4818



18.3083, 18.1066, 20.2404



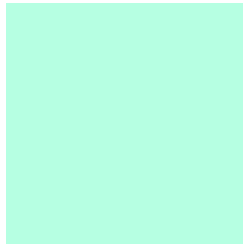
22.8524, 11.6302, 7.8730



2.2771, 1.1532, 1.0407

Previews

White Background



This preview shows how the XYZ color 68.7789, 86.9561, 85.1107 looks on a white background.

Color Contrast Check

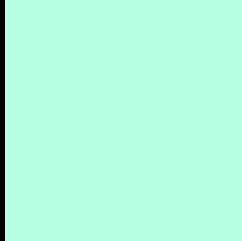
Large Text (above 18pt) WCAG AA × Fail

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 68.7789, 86.9561, 85.1107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

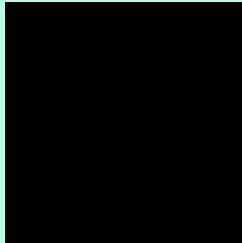
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

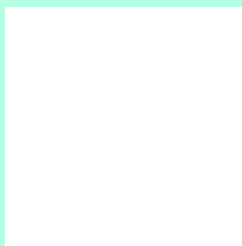
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7789, 86.9561, 85.1107

Background



This preview shows how black text looks on a background with the XYZ color 68.7789, 86.9561, 85.1107.

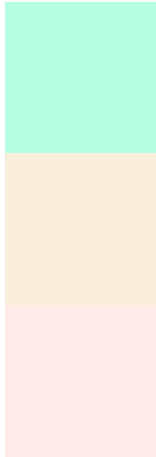


This preview shows how white text looks on a background with the XYZ color 68.7789, 86.9561,

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

68.7789, 86.9561, 85.1107

Protanopia

81.8103, 86.1153, 77.9557

Deuteranopia

85.5141, 86.0462, 89.9434



Tritanopia

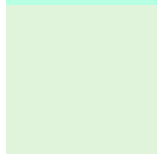
78.7196, 86.5203, 107.1589

Trichromacy



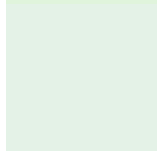
Original Color

68.7789, 86.9561, 85.1107



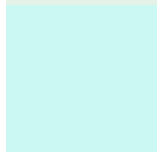
Protanomaly

76.0094, 85.7160, 80.2489



Deuteranomaly

78.1708, 85.7678, 88.0361



Tritanomaly

74.7984, 86.5038, 98.3426

Monochromacy



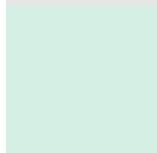
Original Color

68.7789, 86.9561, 85.1107



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.4499, 81.5363, 86.0483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7789, 86.9561, 85.1107 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(182, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 226)  
}
```

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(182, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.7789, 86.9561, 85.1107 is called "border". The border property can be set on classes, ids or directly on the HTML element.

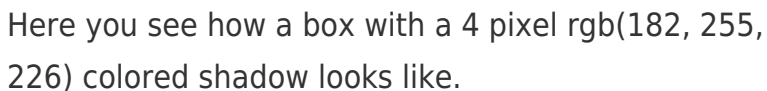
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 255, 226) }
```


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

```
.border{ border-color:rgb(182, 255, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 255, 226); box-shadow:4px 4px 4px 4px rgb(182, 255, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7789, 86.9561, 85.1107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 226) }
```

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

```
.background{ background-color: rgb(182,  
255, 226) }
```

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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