

Converting Colors

XYZ(74.3817, 100.0000,
90.6018)

Have a look what the booklet for
XYZ(74.3817, 100.0000, 90.6018)
contains.

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Color

**XYZ(67.4985, 86.2318,
87.9498)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | AEFFE6 |
| RGB | 174, 255, 230 |
| RGB Percent | 68%, 100%, 90% |
| CMY | 0.3176, 0.0000, 0.0980 |
| CMYK | 0.32, 0.00, 0.10, 0.00 |
| HSL | 161°, 100%, 84% |
| HSV | 161°, 32%, 100% |
| XYZ | 67.4985, 86.2318, 87.9498 |
| YIQ | 227.9310, -40.2510, -24.9470 |

Conversions

Conversions Part 2

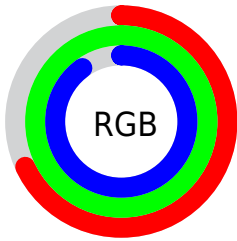
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 174, 222, 255 |
| Decimal | 11468774 |
| CIELab | 94.41, -29.82, 4.10 |
| CIELCh | 94, 30.103, 172.165 |
| Yxy | 86.2318, 0.2793, 0.3568 |
| Android (android.graphics.Color) | 4289658854 (0xFFAEFFE6) |
| YUV | 227.9310, 1.0200, -47.2975 |
| Hunter-Lab | 92.8611, -32.7595, 8.8485 |

Details

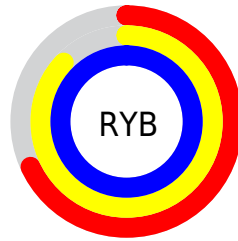
The XYZ color **67.4985, 86.2318, 87.9498** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.6855, 55.6568, 61.2615**, and the grayscale version is **73.7061, 77.5446, 84.4461**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **35.5397, 47.4053, 47.8344** is the 20% darker color. If you saturate the color by 10%, you get **61.2664, 83.1439, 82.0193**, and if you desaturate by 10%, it is **74.8607, 89.8966, 94.1965**.

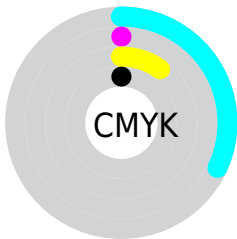
Distribution



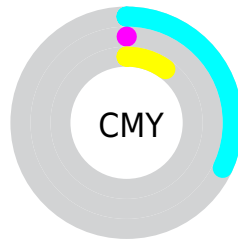
- Red (68%)
- Green (100%)
- Blue (90%)



- Red (68%)
- Yellow (87%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4985, 86.2318, 87.9498 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 67.4985, 86.2318, 87.9498 by changing the saturation by 10% instead.

 67.4985, 86.2318,
87.9498

 67.4985, 86.2318,
87.9498


441.1218,
515.6952, 541.7359

 49.7620, 64.8597,
65.7174


 114.6803,
142.0929, 146.3978

 35.4414, 47.3473,
47.5880


144.8563,
177.3507, 183.4505

 24.1712, 33.3103,
33.1431

179.9096,
218.0058, 226.2803

 15.5861, 22.3643,
21.9640

220.2054,
264.4426, 275.3058

 9.3207, 14.1248,
13.6324

266.1092,
317.0456, 330.9456

 5.0097, 8.2075,
7.7296

317.9863,

 2.2878, 4.2280,

376.1991, 393.6182

3.8372

376.2020,
442.2875, 463.7421

0.7884, 1.8019,
1.5364

0.0000, 0.4884,
0.2449

67.4985, 86.2318,
87.9498

67.4985, 86.2318,
87.9498

61.2664, 83.1439,
82.0193

74.8607, 89.8966,
94.1965

56.0999, 80.5996,
76.3943

83.4072, 94.1660,
100.7612

51.9318, 78.5644,
71.0698

93.1921, 99.0680,
107.6508

48.6861, 76.9992,
66.0385

95.0500, 100.0000,
108.9000

■ 46.2752, 75.8589,
61.2928

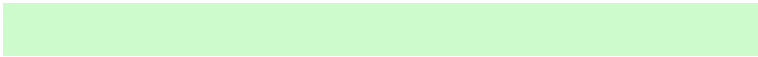
■ 44.5939, 75.0893,
56.8241

■ 43.6262, 74.6665,
53.3426

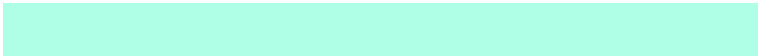
Harmonies

Analogous

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



70.2809, 86.2318, 69.1347



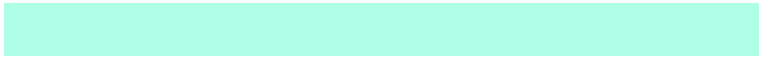
67.4985, 86.2318, 87.9498



68.3846, 86.2318, 111.7189

Triad

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



67.4985, 86.2318, 87.9498



87.9696, 86.2318, 141.4778



91.8755, 86.2318, 62.9240

Complementary

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



67.4985, 86.2318, 87.9498



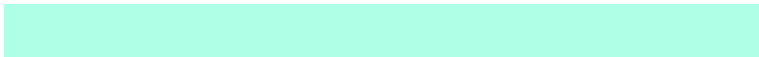
66.6855, 55.6568, 61.2615

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.



97.2243, 86.2318, 78.0698



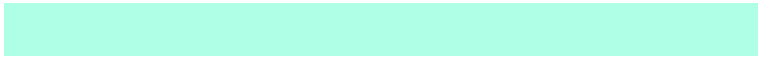
67.4985, 86.2318, 87.9498



94.8678, 86.2318, 123.9490

Square

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



67.4985, 86.2318, 87.9498



79.8588, 86.2318, 145.2914



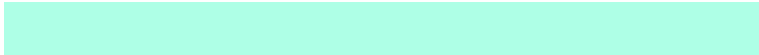
98.3539, 86.2318, 100.0955



84.0992, 86.2318, 56.3173

Rectangle

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



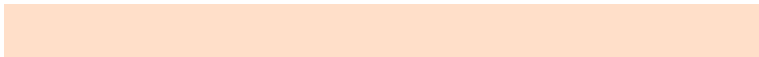
67.4985, 86.2318, 87.9498



70.9649, 86.2318, 127.0774



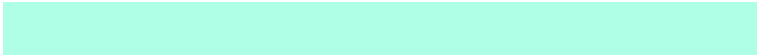
98.3539, 86.2318, 100.0955



94.0376, 86.2318, 67.0537

Sweetspot

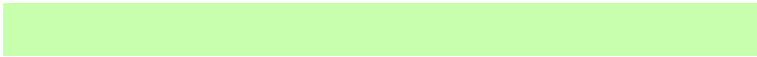
The Sweet Spot groups the original color and five complimentary colors.



67.4994, 86.2323, 87.9513



85.0415, 94.9838, 101.9524



67.1268, 86.8076, 53.2635



17.9229, 20.1906, 21.6186



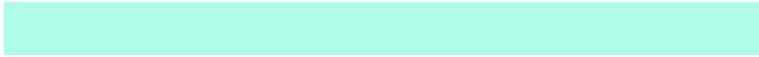
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

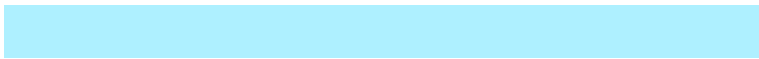
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4994, 86.2323, 87.9513



63.4836, 84.2406, 84.2154



66.7106, 78.6279, 106.2684



18.3021, 20.3804, 21.8940



22.8656, 39.0428, 28.2414



2.2754, 3.8211, 3.0079

Inverse Universe

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



66.6855, 55.6568, 61.2615



62.5617, 49.3790, 53.8142



67.0461, 60.6478, 48.2184



18.2402, 18.0794, 19.8821



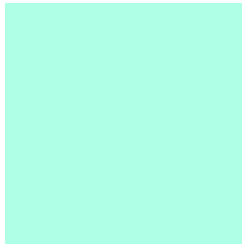
22.3389, 11.4248, 5.1689



2.2215, 1.1310, 0.7480

Previews

White Background



This preview shows how the XYZ color 67.4985, 86.2318, 87.9498 looks on a white background.

Color Contrast Check

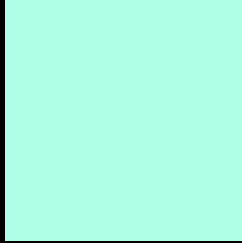
Large Text (above 18pt) WCAG AA × Fail

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 67.4985, 86.2318, 87.9498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

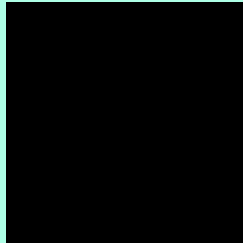
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4985, 86.2318, 87.9498

Background



This preview shows how black text looks on a background with the XYZ color 67.4985, 86.2318, 87.9498.



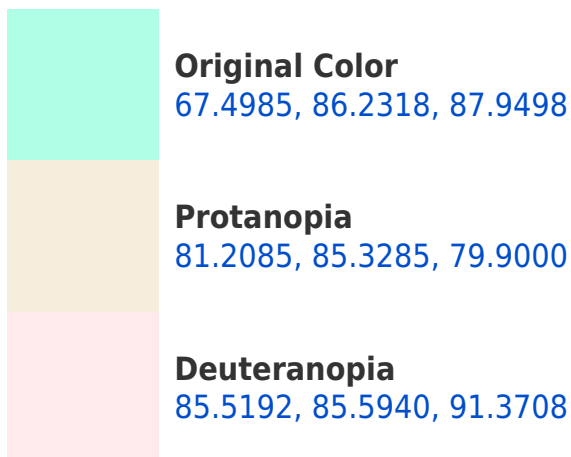
This preview shows how white text looks on a background with the XYZ color 67.4985, 86.2318,

87.9498.

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





Tritanopia

77.2647, 85.7703, 107.0908

Trichromacy



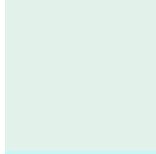
Original Color

67.4985, 86.2318, 87.9498



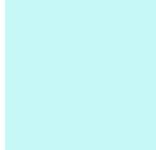
Protanomaly

75.3204, 85.2988, 83.0155



Deuteranomaly

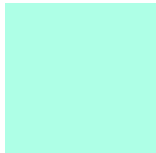
77.6706, 85.0199, 90.1587



Tritanomaly

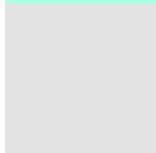
73.4907, 85.7944, 99.8754

Monochromacy



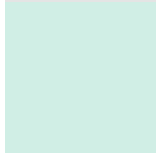
Original Color

67.4985, 86.2318, 87.9498



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.7298, 80.2161, 85.8841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4985, 86.2318, 87.9498 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(174, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 230)  
}
```

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(174, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 67.4985, 86.2318, 87.9498 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(174, 255, 230) }
```


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

```
.border{ border-color:rgb(174, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4985, 86.2318, 87.9498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 230) }
```

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

```
.background{ background-color: rgb(174,  
255, 230) }
```

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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