

Converting Colors

XYZ(67.8880, 86.5054, 84.6801)

Have a look what the booklet for
XYZ(67.8880, 86.5054, 84.6801)
contains.

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Color

**XYZ(67.9410, 86.5399,
84.3572)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFE1
RGB	179, 255, 225
RGB Percent	70%, 100%, 88%
CMY	0.2980, 0.0000, 0.1176
CMYK	0.30, 0.00, 0.12, 0.00
HSL	156°, 100%, 85%
HSV	156°, 30%, 100%
XYZ	67.9410, 86.5399, 84.3572
YIQ	228.8560, -35.6660, -25.4420

Conversions

Conversions Part 2

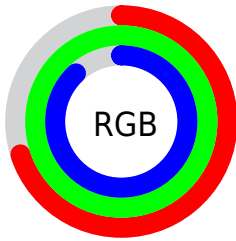
Format	Color
RYB	179, 226, 255
Decimal	11796449
CIELab	94.54, -29.42, 6.90
CIELCh	95, 30.214, 166.796
Yxy	86.5399, 0.2845, 0.3623
Android (android.graphics.Color)	4289986529 (0xFFB3FFE1)
YUV	228.8560, -1.9010, -43.7237
Hunter-Lab	93.0268, -32.4317, 11.3543

Details

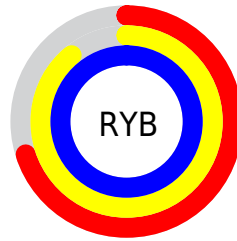
The XYZ color **67.9410, 86.5399, 84.3572** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.8693, 58.1047, 67.9074**, and the grayscale version is **74.4024, 78.2772, 85.2438**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.7620, 47.5755, 45.3284** is the 20% darker color. If you saturate the color by 10%, you get **61.2495, 83.2443, 77.0868**, and if you desaturate by 10%, it is **75.8049, 90.4305, 92.1079**.

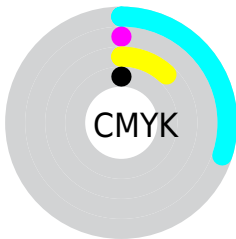
Distribution



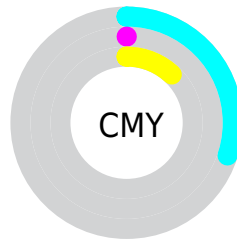
- Red (70%)
- Green (100%)
- Blue (88%)



- Red (70%)
- Yellow (89%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9410, 86.5399, 84.3572 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 67.9410, 86.5399, 84.3572 by changing the saturation by 10% instead.

67.9410, 86.5399,
84.3572

67.9410, 86.5399,
84.3572

442.6670,
516.7098, 529.5877

50.1232, 65.1145,
62.7633

115.3101,
142.5227, 141.3409

35.7295, 47.5539,
45.2100

145.5922,
177.8488, 177.5678

24.3945, 33.4738,
31.2787

180.7597,
218.5774, 219.5094

15.7528, 22.4896,
20.5509

221.1781,
265.0927, 267.5844

9.4392, 14.2171,
12.6081

267.2126,
317.7792, 322.2111

5.0881, 8.2718,
7.0317

319.2287,

2.3343, 4.2694,

377.0213, 383.8082

3.4032

377.5917,
443.2034, 452.7942

■ 0.8122, 1.8254,
1.3040

■ 0.0000, 0.5029,
0.0651

■ 67.9410, 86.5399,
84.3572

■ 67.9410, 86.5399,
84.3572

■ 61.2495, 83.2443,
77.0868

■ 75.8049, 90.4305,
92.1079

■ 55.6663, 80.5109,
70.2823

■ 84.8957, 94.9441,
100.3442

■ 51.1250, 78.3056,
63.9346

95.0500, 100.0000,
108.9000

■ 47.5503, 76.5897,
58.0324

■ 44.8566, 75.3193,
52.5641

■ 42.9421, 74.4421,
47.5166

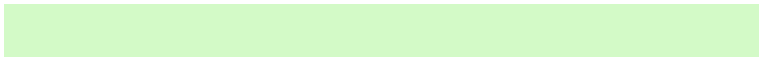
■ 41.6444, 73.8745,
42.8742

■ 41.6216, 73.8646,
42.7866

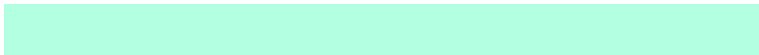
Harmonies

Analogous

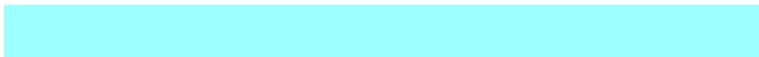
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3670, 86.5399, 66.7574



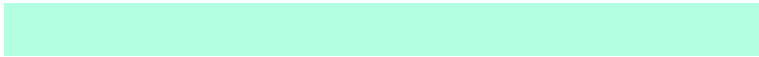
67.9410, 86.5399, 84.3572



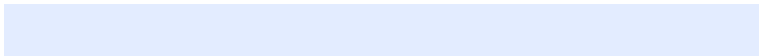
68.1647, 86.5399, 107.7787

Triad

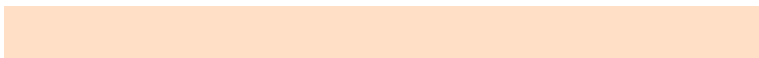
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9410, 86.5399, 84.3572



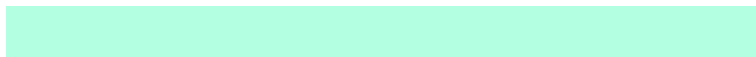
86.8584, 86.5399, 143.9687



93.4375, 86.5399, 65.1915

Complementary

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



67.9410, 86.5399, 84.3572



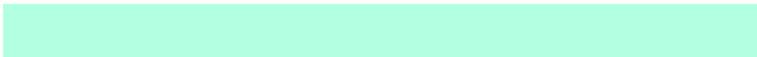
68.8693, 58.1047, 67.9074

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.



98.1612, 86.5399, 81.8622



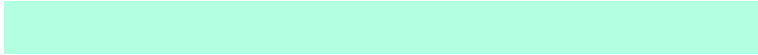
67.9410, 86.5399, 84.3572



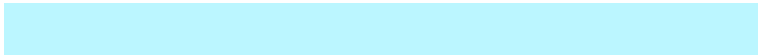
94.1945, 86.5399, 128.3561

Square

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



67.9410, 86.5399, 84.3572



78.7309, 86.5399, 144.9351



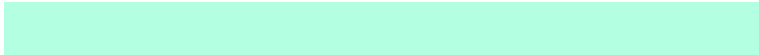
98.4470, 86.5399, 104.8386



85.8798, 86.5399, 56.9861

Rectangle

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



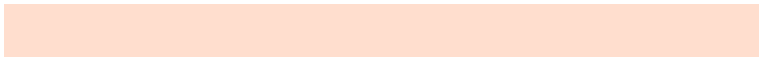
67.9410, 86.5399, 84.3572



70.3491, 86.5399, 123.6979



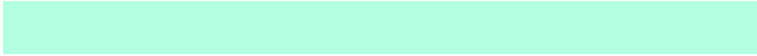
98.4470, 86.5399, 104.8386



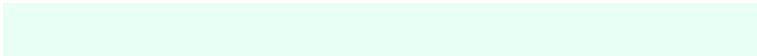
95.4306, 86.5399, 69.8539

Sweetspot

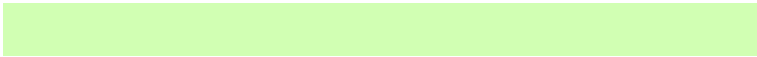
The Sweet Spot groups the original color and five complimentary colors.



67.9419, 86.5404, 84.3586



85.6805, 95.3344, 101.0269



70.3052, 88.3887, 56.0044



18.0361, 20.2548, 21.3596



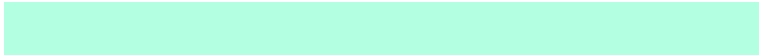
0.0000, 0.0000, 0.0000



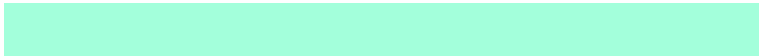
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9419, 86.5404, 84.3586



63.6604, 84.4297, 79.7966



70.0243, 83.5706, 107.0478



18.2334, 20.3529, 21.5320



21.8238, 38.6261, 22.7550



2.1787, 3.7824, 2.4990

Inverse Universe

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



68.8693, 58.1047, 67.9074



64.7322, 51.6693, 60.8598



67.0630, 59.8869, 50.6739



18.3063, 18.1058, 20.2302



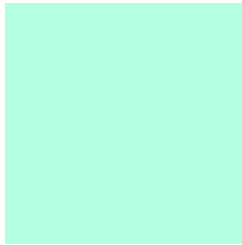
22.8357, 11.6236, 7.7850



2.2754, 1.1525, 1.0315

Previews

White Background



This preview shows how the XYZ color 67.9410, 86.5399, 84.3572 looks on a white background.

Color Contrast Check

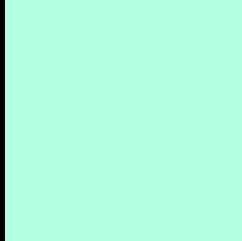
Large Text (above 18pt) WCAG AA × Fail

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 67.9410, 86.5399, 84.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

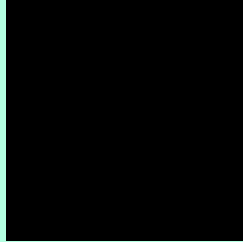
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.9410, 86.5399, 84.3572

Background



This preview shows how black text looks on a background with the XYZ color 67.9410, 86.5399, 84.3572.



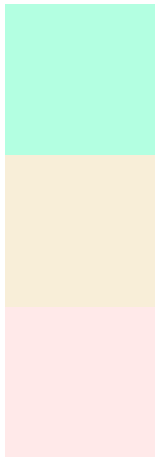
This preview shows how white text looks on a background with the XYZ color 67.9410, 86.5399,

84.3572.

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

67.9410, 86.5399, 84.3572

Protanopia

81.6806, 86.0634, 77.2726

Deuteranopia

85.0869, 85.4210, 89.0941



Tritanopia

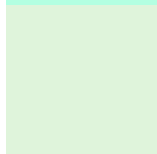
78.1322, 86.2175, 107.1314

Trichromacy



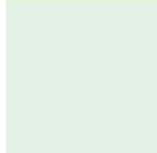
Original Color

67.9410, 86.5399, 84.3572



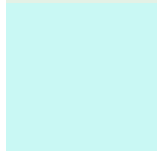
Protanomaly

75.5683, 85.5038, 79.5388



Deuteranomaly

77.4168, 84.9547, 87.1805



Tritanomaly

73.9839, 86.0840, 98.3044

Monochromacy



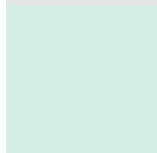
Original Color

67.9410, 86.5399, 84.3572



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.4421, 80.5994, 85.1906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9410, 86.5399, 84.3572 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(179, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 225)  
}
```

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(179, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 67.9410, 86.5399, 84.3572 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(179, 255, 225) }
```


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

```
.border{ border-color:rgb(179, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9410, 86.5399, 84.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 225) }
```

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

```
.background{ background-color: rgb(179,  
255, 225) }
```

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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