

Converting Colors

XYZ(68.0724, 86.5120, 88.6845)

Have a look what the booklet for
XYZ(68.0724, 86.5120, 88.6845)
contains.

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Color

**XYZ(68.0883, 86.5196,
88.7126)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFE7
RGB	176, 255, 231
RGB Percent	69%, 100%, 91%
CMY	0.3098, 0.0000, 0.0941
CMYK	0.31, 0.00, 0.09, 0.00
HSL	162°, 100%, 85%
HSV	162°, 31%, 100%
XYZ	68.0883, 86.5196, 88.7126
YIQ	228.6430, -39.3800, -24.2120

Conversions

Conversions Part 2

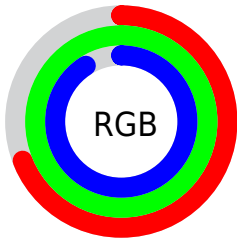
Format	Color
RYB	176, 223, 255
Decimal	11599847
CIELab	94.53, -29.06, 3.78
CIElCh	95, 29.300, 172.591
Yxy	86.5196, 0.2798, 0.3556
Android (android.graphics.Color)	4289789927 (0xFFB0FFE7)
YUV	228.6430, 1.1620, -46.1679
Hunter-Lab	93.0159, -32.1146, 8.5641

Details

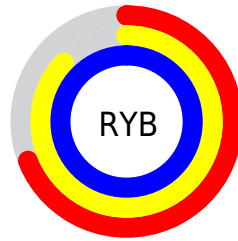
The XYZ color **68.0883, 86.5196, 88.7126** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.1913, 56.4820, 62.0049**, and the grayscale version is **74.2262, 78.0918, 85.0419**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **35.8171, 47.5483, 47.8474** is the 20% darker color. If you saturate the color by 10%, you get **61.7842, 83.3933, 82.8328**, and if you desaturate by 10%, it is **75.5256, 90.2244, 94.9010**.

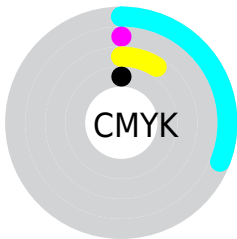
Distribution



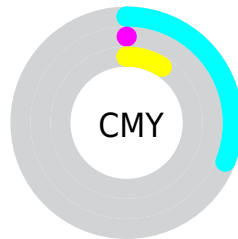
- Red (69%)
- Green (100%)
- Blue (91%)



- Red (69%)
- Yellow (87%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0883, 86.5196, 88.7126 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 68.0883, 86.5196, 88.7126 by changing the saturation by 10% instead.

68.0883, 86.5196,
88.7126

68.0883, 86.5196,
88.7126

443.1806,
516.6430, 544.2957

50.2435, 65.0977,
66.3457

115.5197,
142.4944, 147.4687

35.8255, 47.5403,
48.0948

145.8370,
177.8160, 184.6950

24.4690, 33.4630,
33.5415

181.0425,
218.5397, 227.7114

15.8085, 22.4814,
22.2671

221.5015,
265.0499, 276.9366

9.4787, 14.2110,
13.8531

267.5795,
317.7309, 332.7891

5.1143, 8.2676,
7.8810

319.6418,

2.3499, 4.2666,

376.9672, 395.6874

3.9322

378.0537,
443.1431, 466.0501

■ 0.8200, 1.8238,
1.5882

■ 0.0000, 0.5019,
0.2824

■ 68.0883, 86.5196,
88.7126

■ 68.0883, 86.5196,
88.7126

■ 61.7842, 83.3933,
82.8328

■ 75.5256, 90.2244,
94.9010

■ 56.5491, 80.8127,
77.2513

■ 84.1501, 94.5356,
101.3996

■ 52.3166, 78.7434,
71.9630

■ 94.0153, 99.4807,
108.2153

■ 49.0114, 77.1468,
66.9609

■ 95.0500, 100.0000,
108.9000

■ 46.5471, 75.9784,
62.2378

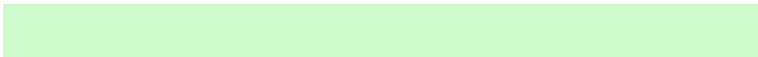
■ 44.8201, 75.1849,
57.7851

■ 43.7492, 74.7157,
53.9908

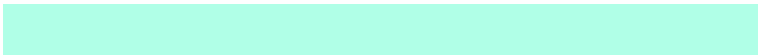
Harmonies

Analogous

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



70.7624, 86.5196, 70.1979



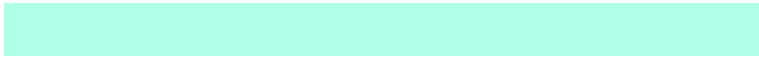
68.0883, 86.5196, 88.7126



69.0072, 86.5196, 111.9017

Triad

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



68.0883, 86.5196, 88.7126



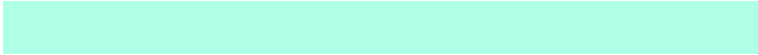
88.2012, 86.5196, 140.2850



91.7996, 86.5196, 63.7351

Complementary

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



68.0883, 86.5196, 88.7126



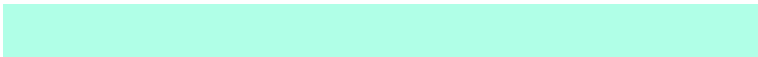
67.1913, 56.4820, 62.0049

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.



97.0520, 86.5196, 78.4801



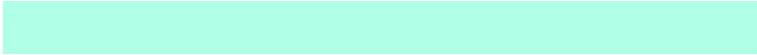
68.0883, 86.5196, 88.7126



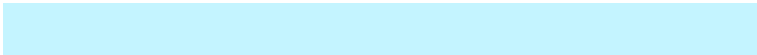
94.8836, 86.5196, 123.1431

Square

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



68.0883, 86.5196, 88.7126



80.2934, 86.5196, 144.1952



98.2152, 86.5196, 99.9198



84.2062, 86.5196, 57.3531

Rectangle

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



68.0883, 86.5196, 88.7126



71.5630, 86.5196, 126.7761



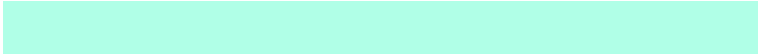
98.2152, 86.5196, 99.9198



93.9169, 86.5196, 67.7533

Sweetspot

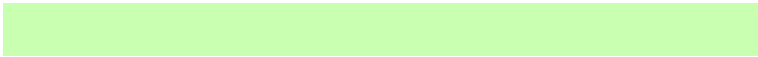
The Sweet Spot groups the original color and five complimentary colors.



68.0892, 86.5201, 88.7141



86.0026, 95.4632, 102.7233



67.6891, 87.0748, 54.3153



18.1156, 20.2866, 21.7785



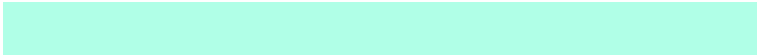
0.0000, 0.0000, 0.0000



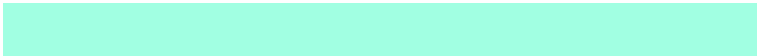
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0892, 86.5201, 88.7141



64.1614, 84.5703, 85.1369



67.2677, 79.0756, 106.3255



18.3060, 20.3819, 21.9145



22.9295, 39.0684, 28.5775



2.2812, 3.8234, 3.0386

Inverse Universe

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



67.1913, 56.4820, 62.0049



63.1430, 50.3153, 54.7057



67.5956, 61.4323, 49.3707



18.2365, 18.0779, 19.8626



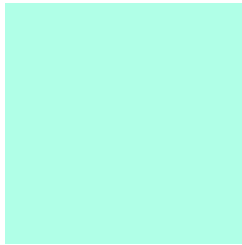
22.3150, 11.4153, 5.0434



2.2188, 1.1299, 0.7338

Previews

White Background



This preview shows how the XYZ color 68.0883, 86.5196, 88.7126 looks on a white background.

Color Contrast Check

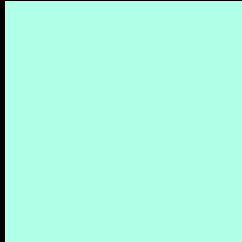
Large Text (above 18pt) WCAG AA × Fail

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 68.0883, 86.5196, 88.7126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

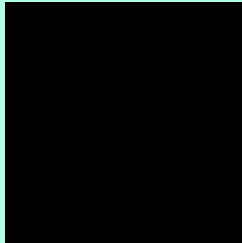
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

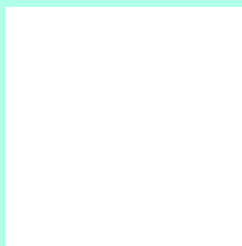
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0883, 86.5196, 88.7126

Background



This preview shows how black text looks on a background with the XYZ color 68.0883, 86.5196, 88.7126.



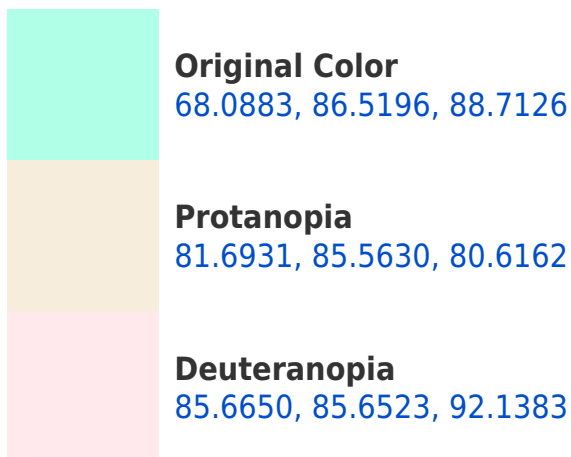
This preview shows how white text looks on a background with the XYZ color 68.0883, 86.5196,

88.7126.

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

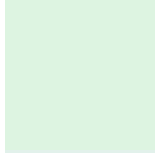
77.8413, 86.0675, 107.1178

Trichromacy



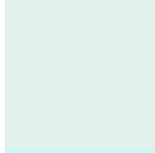
Original Color

68.0883, 86.5196, 88.7126



Protanomaly

75.7601, 85.5098, 83.7462



Deuteranomaly

77.8147, 85.0775, 90.9176



Tritanomaly

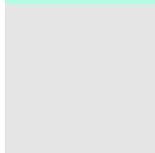
74.0214, 86.0680, 99.9002

Monochromacy



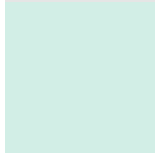
Original Color

68.0883, 86.5196, 88.7126



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.4358, 80.5639, 86.6482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0883, 86.5196, 88.7126 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(176, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 231)  
}
```

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(176, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.0883, 86.5196, 88.7126 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(176, 255, 231) }
```


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

```
.border{ border-color:rgb(176, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0883, 86.5196, 88.7126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 231) }
```

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

```
.background{ background-color: rgb(176,  
255, 231) }
```

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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