

Converting Colors

XYZ(68.5870, 86.5100, 85.4180)

Have a look what the booklet for
XYZ(68.5870, 86.5100, 85.4180)
contains.

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Color

**XYZ(68.5983, 86.3748,
85.7295)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FEE3
RGB	182, 254, 227
RGB Percent	71%, 100%, 89%
CMY	0.2863, 0.0039, 0.1098
CMYK	0.28, 0.00, 0.11, 0.00
HSL	157°, 97%, 85%
HSV	157°, 28%, 100%
XYZ	68.5983, 86.3748, 85.7295
YIQ	229.3940, -34.2450, -23.6610

Conversions

Conversions Part 2

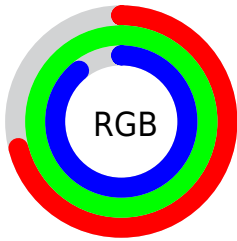
Format	Color
RYB	182, 226, 254
Decimal	11992803
CIELab	94.47, -27.67, 5.79
CIELCh	94, 28.274, 168.184
Yxy	86.3748, 0.2850, 0.3588
Android (android.graphics.Color)	4290182883 (0xFFB6FEE3)
YUV	229.3940, -1.1802, -41.5645
Hunter-Lab	92.9380, -30.8893, 10.3653

Details

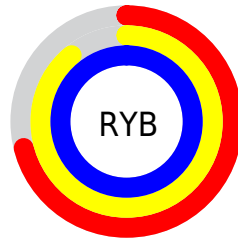
The XYZ color **68.5983, 86.3748, 85.7295** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.1126, 59.1323, 68.0961**, and the grayscale version is **74.7947, 78.6899, 85.6933**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **36.1650, 47.4231, 46.2772** is the 20% darker color. If you saturate the color by 10%, you get **61.8568, 83.0495, 78.7406**, and if you desaturate by 10%, it is **76.5053, 90.2972, 93.1564**.

Distribution



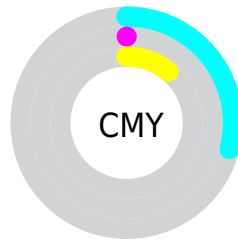
- Red (71%)
- Green (100%)
- Blue (89%)



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



- Cyan (28%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5983, 86.3748, 85.7295 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 68.5983, 86.3748, 85.7295 by changing the saturation by 10% instead.


 68.5983, 86.3748,
85.7295

 68.5983, 86.3748,
85.7295


444.9565,
516.1663, 534.2463

 50.6601, 64.9779,
63.8907

 116.2449,
142.2924, 143.2752

 36.1581, 47.4432,
46.1165


146.6839,
177.5819, 179.8191

 24.7270, 33.3862,
31.9885


182.0206,
218.2711, 222.1018

 16.0014, 22.4224,
21.0879

222.6203,
264.7444, 270.5419

 9.6160, 14.1676,
12.9964

268.8484,
317.3862, 325.5578

 5.2054, 8.2373,
7.2954

321.0703,

 2.4043, 4.2472,

376.5808, 387.5682

3.5663

379.6511,
442.7127, 456.9915

■ 0.8472, 1.8128,
1.3906

■ 0.0000, 0.4951,
0.1343

■ 68.5983, 86.3748,
85.7295

■ 68.5983, 86.3748,
85.7295

■ 61.8568, 83.0495,
78.7406

■ 76.5053, 90.2972,
93.1564

■ 56.2137, 80.2798,
72.1751

■ 85.6263, 94.8345,
101.0239

■ 51.6057, 78.0356,
66.0254

■ 94.7334, 99.3669,
108.7945

■ 47.9598, 76.2795,
60.2818

■ 45.1933, 74.9688,
54.9340

■ 43.2084, 74.0533,
49.9704

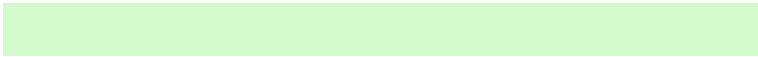
■ 41.8692, 73.4632,
45.3779

■ 41.6794, 73.3812,
44.6526

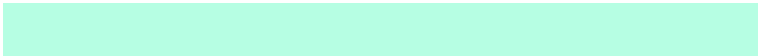
Harmonies

Analogous

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



71.6727, 86.3748, 68.7957



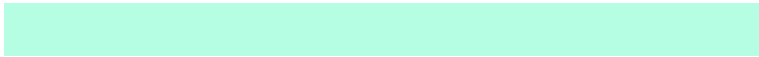
68.5983, 86.3748, 85.7295



68.9720, 86.3748, 107.7326

Triad

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



68.5983, 86.3748, 85.7295



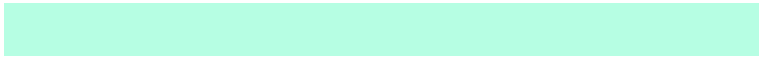
86.7455, 86.3748, 139.7134



92.2382, 86.3748, 66.1590

Complementary

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



68.5983, 86.3748, 85.7295



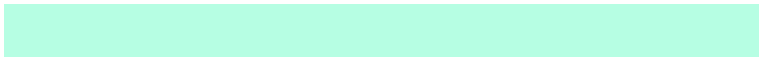
69.1126, 59.1323, 68.0961

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.



96.7888, 86.3748, 81.5733



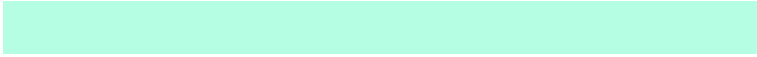
68.5983, 86.3748, 85.7295



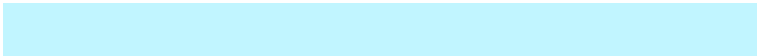
93.4853, 86.3748, 124.8268

Square

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



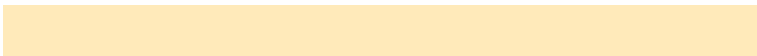
68.5983, 86.3748, 85.7295



79.1384, 86.3748, 141.2871



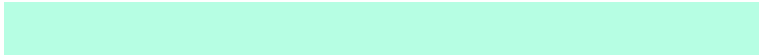
97.2589, 86.3748, 102.8868



85.1277, 86.3748, 58.7207

Rectangle

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



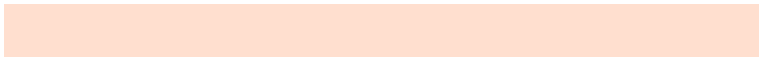
68.5983, 86.3748, 85.7295



71.1299, 86.3748, 122.3873



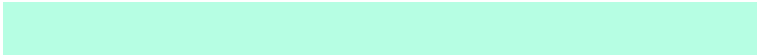
97.2589, 86.3748, 102.8868



94.1364, 86.3748, 70.4595

Sweetspot

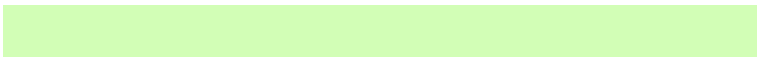
The Sweet Spot groups the original color and five complimentary colors.



68.6007, 86.3783, 85.7315



85.7499, 95.3622, 101.3927



70.3527, 87.9078, 57.5170



18.0532, 20.2616, 21.4499



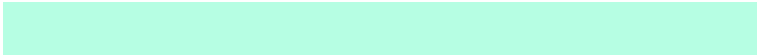
0.0000, 0.0000, 0.0000



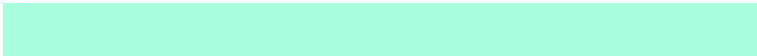
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6007, 86.3783, 85.7315



65.2223, 85.1778, 82.4519



70.0178, 82.7728, 106.0566



18.2491, 20.3592, 21.6145



22.0468, 38.7153, 23.9296



2.1996, 3.7908, 2.6092

Inverse Universe

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



69.1126, 59.1323, 68.0961



65.8189, 53.5845, 62.0181



67.8194, 61.4508, 52.5438



18.2911, 18.0998, 20.1502



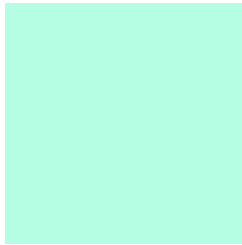
22.7095, 11.5731, 7.1207



2.2620, 1.1472, 0.9614

Previews

White Background



This preview shows how the XYZ color 68.5983, 86.3748, 85.7295 looks on a white background.

Color Contrast Check

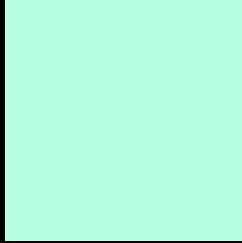
Large Text (above 18pt) WCAG AA × Fail

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 68.5983, 86.3748, 85.7295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

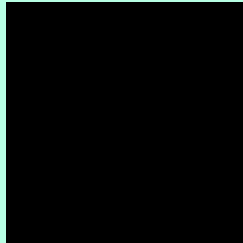
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

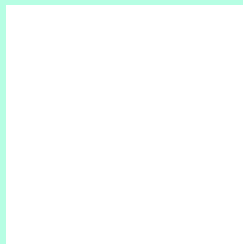
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5983, 86.3748, 85.7295

Background



This preview shows how black text looks on a background with the XYZ color 68.5983, 86.3748, 85.7295.



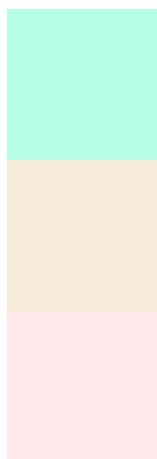
This preview shows how white text looks on a background with the XYZ color 68.5983, 86.3748,

85.7295.

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

68.5983, 86.3748, 85.7295

Protanopia

81.2968, 85.4045, 78.5296

Deuteranopia

85.2302, 85.4783, 89.8488



Tritanopia

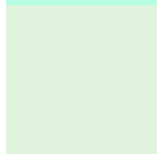
78.1322, 86.2175, 107.1314

Trichromacy



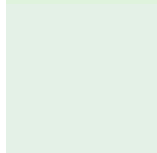
Original Color

68.5983, 86.3748, 85.7295



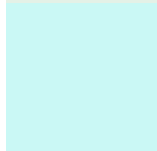
Protanomaly

75.5332, 85.0096, 80.8341



Deuteranomaly

77.8740, 85.1741, 87.9372



Tritanomaly

74.4060, 86.2839, 99.1191

Monochromacy



Original Color

68.5983, 86.3748, 85.7295



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7295, 80.7476, 85.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5983, 86.3748, 85.7295 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, 254, 227)` looks like.

```
.text, #text, p{  
    color:rgb(182, 254, 227)  
}
```

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, 254, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 254, 227) }
```

Border

The CSS property to change the border of an element to XYZ 68.5983, 86.3748, 85.7295 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, 254, 227) }
```


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

```
.border{ border-color:rgb(182, 254, 227) }
```

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

Here you see how a box with a 4 pixel rgb(182, 254, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 254, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 254, 227);  
box-shadow:4px 4px 4px 4px rgb(182, 254,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5983, 86.3748, 85.7295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 254, 227) }
```

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

```
.background{ background-color: rgb(182,  
254, 227) }
```

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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