

Converting Colors

XYZ(68.3088, 86.6739, 86.8911)

Have a look what the booklet for
XYZ(68.3088, 86.6739, 86.8911)
contains.

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Color

**XYZ(68.3540, 86.7051,
86.5319)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFE4
RGB	179, 255, 228
RGB Percent	70%, 100%, 89%
CMY	0.2980, 0.0000, 0.1059
CMYK	0.30, 0.00, 0.11, 0.00
HSL	159°, 100%, 85%
HSV	159°, 30%, 100%
XYZ	68.3540, 86.7051, 86.5319
YIQ	229.1980, -36.6290, -24.5090

Conversions

Conversions Part 2

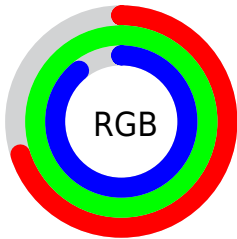
Format	Color
RYB	179, 225, 255
Decimal	11796452
CIELab	94.61, -28.81, 5.46
CIELCh	95, 29.326, 169.275
Yxy	86.7051, 0.2829, 0.3589
Android (android.graphics.Color)	4289986532 (0xFFB3FFE4)
YUV	229.1980, -0.5906, -44.0236
Hunter-Lab	93.1156, -31.9195, 10.0830

Details

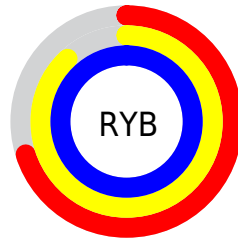
The XYZ color **68.3540, 86.7051, 86.5319** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.5013, 57.9575, 65.9695**, and the grayscale version is **74.6453, 78.5327, 85.5221**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **36.0491, 47.6904, 46.8403** is the 20% darker color. If you saturate the color by 10%, you get **61.7706, 83.4528, 79.8309**, and if you desaturate by 10%, it is **76.0948, 90.5465, 93.6339**.

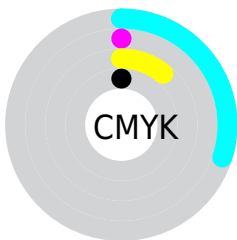
Distribution



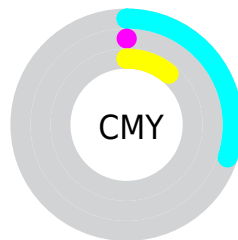
- Red (70%)
- Green (100%)
- Blue (89%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3540, 86.7051, 86.5319 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 68.3540, 86.7051, 86.5319 by changing the saturation by 10% instead.

68.3540, 86.7051,
86.5319

68.3540, 86.7051,
86.5319

444.1063,
517.2533, 536.9597

50.4605, 65.2512,
64.5505

115.8976,
142.7530, 144.4046

35.9987, 47.6648,
46.6476

146.2783,
178.1158, 181.1330

24.6033, 33.5615,
32.4048

181.5522,
218.8837, 223.6141

15.9089, 22.5569,
21.4035

222.0846,
265.4411, 272.2665

9.5502, 14.2667,
13.2252

268.2409,
318.1724, 327.5087

5.1617, 8.3064,
7.4512

320.3864,

2.3782, 4.2916,

377.4619, 389.7593

3.6632

378.8864,
443.6941, 459.4368

0.8342, 1.8380,
1.4424

0.0000, 0.5107,
0.1745

68.3540, 86.7051,
86.5319

68.3540, 86.7051,
86.5319

61.7706, 83.4528,
79.8309

76.0948, 90.5465,
93.6339

56.2809, 80.7568,
73.5184

85.0469, 95.0046,
101.1404

51.8187, 78.5831,
67.5875

95.0500, 100.0000,
108.9000

48.3093, 76.8933,
62.0293

■ 45.6675, 75.6437,
56.8340

■ 43.7918, 74.7820,
51.9913

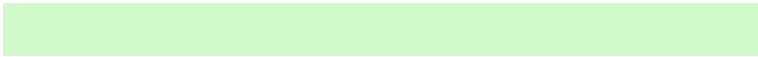
■ 42.5205, 74.2249,
47.4876

■ 42.4980, 74.2152,
47.4020

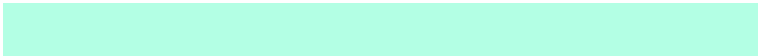
Harmonies

Analogous

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



71.4149, 86.7051, 68.7479



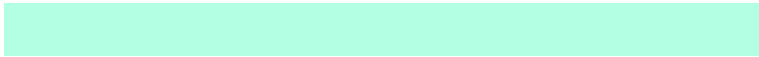
68.3540, 86.7051, 86.5319



68.8733, 86.7051, 109.5256

Triad

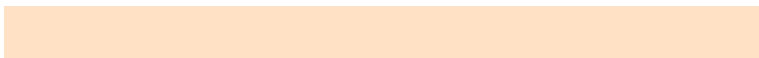
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3540, 86.7051, 86.5319



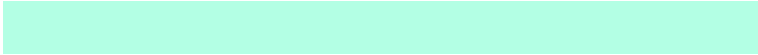
87.5330, 86.7051, 141.7738



92.7356, 86.7051, 65.0984

Complementary

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



68.3540, 86.7051, 86.5319



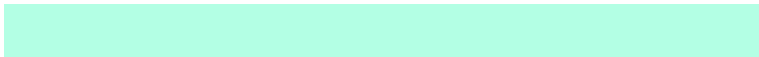
68.5013, 57.9575, 65.9695

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.



97.6148, 86.7051, 80.7481



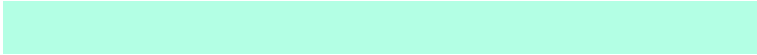
68.3540, 86.7051, 86.5319



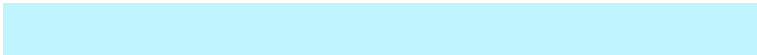
94.4808, 86.7051, 125.7678

Square

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



68.3540, 86.7051, 86.5319



79.6129, 86.7051, 143.9889



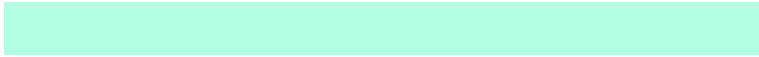
98.2731, 86.7051, 102.7462



85.2731, 86.7051, 57.7557

Rectangle

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



68.3540, 86.7051, 86.5319



71.1902, 86.7051, 124.7481



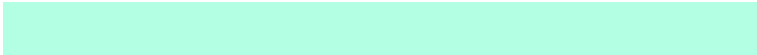
98.2731, 86.7051, 102.7462



94.7521, 86.7051, 69.4338

Sweetspot

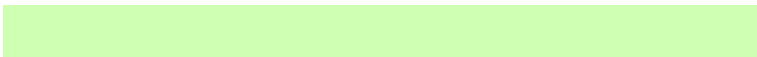
The Sweet Spot groups the original color and five complimentary colors.



68.3549, 86.7056, 86.5333



85.8198, 95.3901, 101.7609



69.5923, 88.0212, 55.9711



18.0705, 20.2685, 21.5408



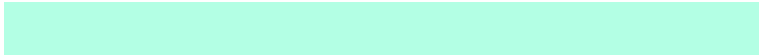
0.0000, 0.0000, 0.0000



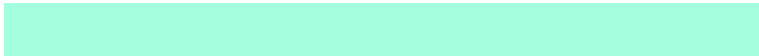
20.3446, 21.4041, 23.3091

Same Dimension

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



68.3549, 86.7056, 86.5333



64.1421, 84.6224, 82.3333



69.2532, 82.0284, 106.7908



18.2648, 20.3655, 21.6975



22.2799, 38.8085, 25.1568



2.2214, 3.7995, 2.7235

Inverse Universe

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



68.5013, 57.9575, 65.9695



64.3151, 51.5024, 58.6636



67.6037, 60.9684, 50.8542



18.2759, 18.0937, 20.0701



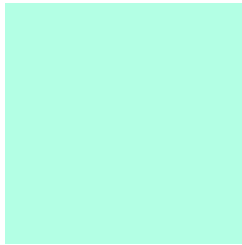
22.5904, 11.5255, 6.4935



2.2493, 1.1421, 0.8941

Previews

White Background



This preview shows how the XYZ color 68.3540, 86.7051, 86.5319 looks on a white background.

Color Contrast Check

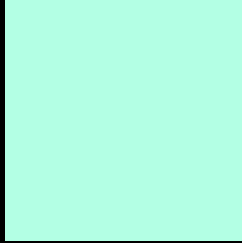
Large Text (above 18pt) WCAG AA × Fail

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 68.3540, 86.7051, 86.5319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

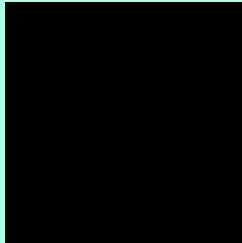
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

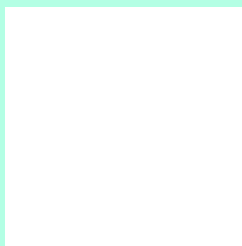
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3540, 86.7051, 86.5319

Background



This preview shows how black text looks on a background with the XYZ color 68.3540, 86.7051, 86.5319.

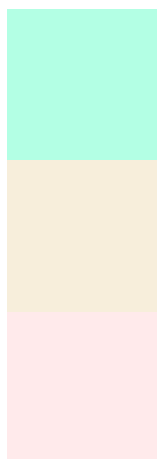


This preview shows how white text looks on a background with the XYZ color 68.3540, 86.7051,

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

68.3540, 86.7051, 86.5319

Protanopia

81.7185, 86.0377, 79.3177

Deuteranopia

85.6582, 86.1038, 90.7023



Tritanopia

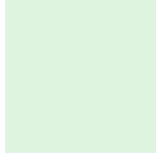
78.1322, 86.2175, 107.1314

Trichromacy



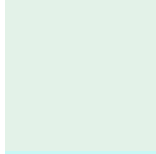
Original Color

68.3540, 86.7051, 86.5319



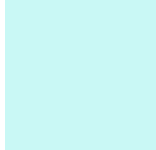
Protanomaly

75.6597, 85.5049, 81.6236



Deuteranomaly

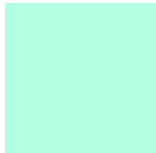
77.9962, 85.6614, 88.7674



Tritanomaly

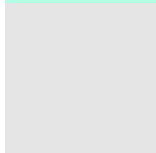
74.1362, 86.1449, 99.1064

Monochromacy



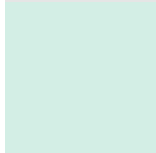
Original Color

68.3540, 86.7051, 86.5319



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.5814, 80.6551, 85.9240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3540, 86.7051, 86.5319 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 68.3540, 86.7051, 86.5319 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, 228) }
```


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

```
.border{ border-color:rgb(179, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3540, 86.7051, 86.5319 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, 228) }
```

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

```
.background{ background-color: rgb(179,  
255, 228) }
```

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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