

Converting Colors

XYZ(74.7567, 100.0000,
77.1203)

Have a look what the booklet for
XYZ(74.7567, 100.0000, 77.1203)
contains.

XYZ(68.2569, 86.9145, 74.8067)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.2569, 86.9145,
74.8067)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFD3
RGB	188, 255, 211
RGB Percent	74%, 100%, 83%
CMY	0.2627, 0.0000, 0.1725
CMYK	0.26, 0.00, 0.17, 0.00
HSL	141°, 100%, 87%
HSV	141°, 26%, 100%
XYZ	68.2569, 86.9145, 74.8067
YIQ	229.9510, -25.8080, -27.8880

Conversions

Conversions Part 2

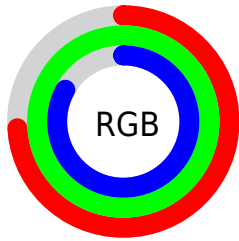
Format	Color
RYB	188, 238, 255
Decimal	12386259
CIELab	94.70, -29.41, 14.39
CIELCh	95, 32.741, 153.932
Yxy	86.9145, 0.2968, 0.3779
Android (android.graphics.Color)	4290576339 (0xFFBCFFD3)
YUV	229.9510, -9.3428, -36.7910
Hunter-Lab	93.2279, -32.4600, 17.6849

Details

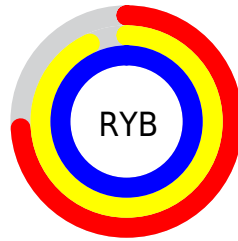
The XYZ color **68.2569, 86.9145, 74.8067** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.7890, 63.0534, 84.6251**, and the grayscale version is **75.2578, 79.1771, 86.2239**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.8677, 47.7750, 38.7836** is the 20% darker color. If you saturate the color by 10%, you get **60.5289, 83.1606, 64.0513**, and if you desaturate by 10%, it is **77.3150, 91.3287, 86.7688**.

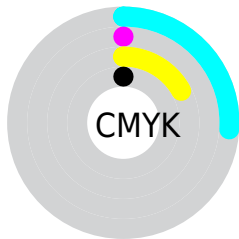
Distribution



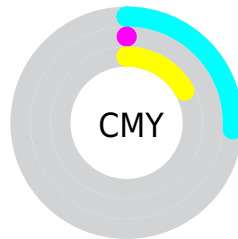
- Red (74%)
- Green (100%)
- Blue (83%)



- Red (74%)
- Yellow (93%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2569, 86.9145, 74.8067 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 68.2569, 86.9145, 74.8067 by changing the saturation by 10% instead.


 68.2569, 86.9145,
74.8067

 68.2569, 86.9145,
74.8067


443.7682,
517.9419, 496.4906

 50.3812, 65.4245,
54.9538


 115.7595,
143.0450, 127.7833

 35.9354, 47.8053,
38.9664


146.1171,
178.4542, 161.7440

 24.5542, 33.6728,
26.4259


181.3660,
219.2719, 201.2444

 15.8722, 22.6423,
16.9139

221.8716,
265.8825, 246.7030

 9.5240, 14.3296,
10.0118

267.9993,
318.6704, 298.5384

 5.1444, 8.3503,
5.3011

320.1144,

 2.3678, 4.3199,

378.0200, 357.1691

2.3632

378.5822,
444.3157, 423.0137

■ 0.8290, 1.8541,
0.7663

■ 0.0000, 0.5205,
0.0000

■ 68.2569, 86.9145,
74.8067

■ 68.2569, 86.9145,
74.8067

■ 60.5289, 83.1606,
64.0513

■ 77.3150, 91.3287,
86.7688

■ 54.0636, 80.0332,
54.4607

■ 87.7615, 96.4327,
99.9696

■ 48.7911, 77.4971,
45.9962

95.0500, 100.0000,
108.9000

■ 44.6334, 75.5127,
38.6159

■ 41.5025, 74.0358,
32.2749

■ 39.2964, 73.0147,
26.9247

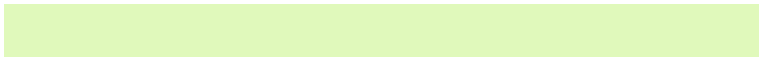
■ 37.8895, 72.3855,
22.5130

■ 37.5025, 72.2170,
21.0958

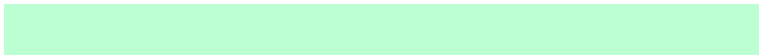
Harmonies

Analogous

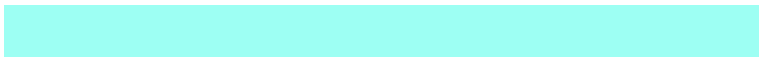
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4765, 86.9145, 59.7063



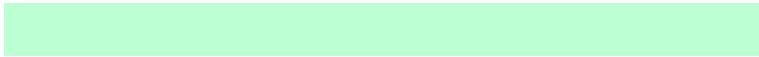
68.2569, 86.9145, 74.8067



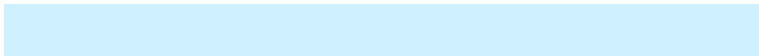
66.7797, 86.9145, 98.0136

Triad

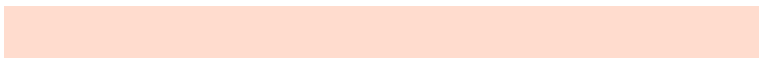
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2569, 86.9145, 74.8067



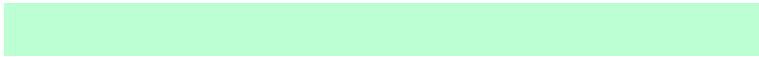
83.7810, 86.9145, 152.0098



97.5370, 86.9145, 69.9704

Complementary

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



68.2569, 86.9145, 74.8067



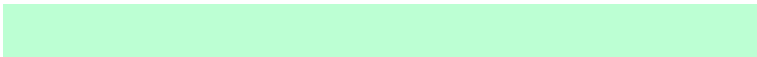
73.7890, 63.0534, 84.6251

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.



100.7621, 86.9145, 91.3351



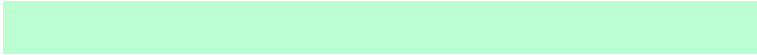
68.2569, 86.9145, 74.8067



92.4699, 86.9145, 141.0658

Square

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



68.2569, 86.9145, 74.8067



75.3600, 86.9145, 145.4680



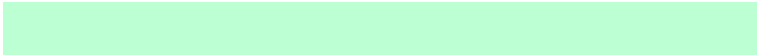
98.8453, 86.9145, 117.6900



90.3099, 86.9145, 57.2836

Rectangle

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



68.2569, 86.9145, 74.8067



68.0212, 86.9145, 115.7966



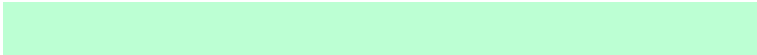
98.8453, 86.9145, 117.6900



99.1477, 86.9145, 76.2228

Sweetspot

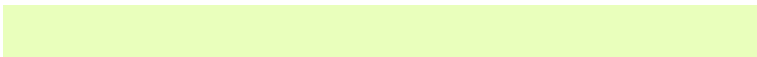
The Sweet Spot groups the original color and five complimentary colors.



68.2576, 86.9148, 74.8081



85.8565, 95.5011, 97.6008



78.3330, 92.4186, 61.2880



18.0289, 20.2711, 20.4553



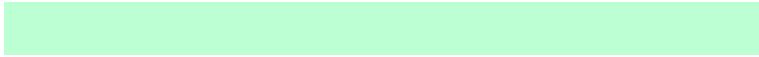
0.0000, 0.0000, 0.0000



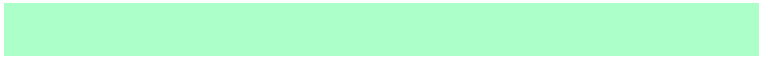
20.3446, 21.4041, 23.3091

Same Dimension

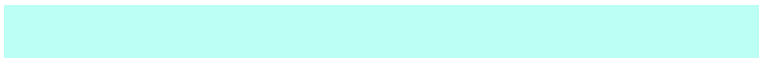
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2576, 86.9148, 74.8081



63.6735, 84.6864, 68.5036



72.8034, 88.7331, 98.7456



18.0289, 20.2711, 20.4553



19.6586, 37.7600, 11.3535



1.9630, 3.6961, 1.3632

Inverse Universe

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



73.7890, 63.0534, 84.6251



70.1237, 56.8461, 79.9401



69.5519, 61.3585, 62.3129



18.5122, 18.1882, 21.3142



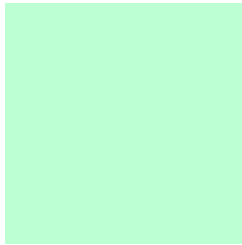
25.2886, 12.6047, 20.7018



2.5136, 1.2478, 2.2862

Previews

White Background



This preview shows how the XYZ color 68.2569, 86.9145, 74.8067 looks on a white background.

Color Contrast Check

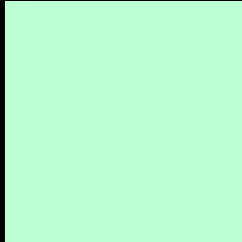
Large Text (above 18pt) WCAG AA × Fail

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 68.2569, 86.9145, 74.8067 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

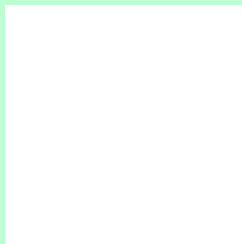
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2569, 86.9145, 74.8067

Background



This preview shows how black text looks on a background with the XYZ color 68.2569, 86.9145, 74.8067.

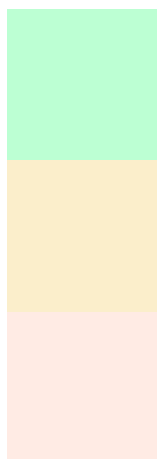


This preview shows how white text looks on a background with the XYZ color 68.2569, 86.9145,

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

68.2569, 86.9145, 74.8067

Protanopia

81.1377, 85.9701, 68.8174

Deuteranopia

84.9519, 86.2781, 85.5747



Tritanopia

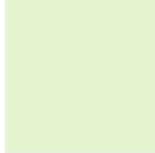
79.3141, 86.8268, 107.1867

Trichromacy



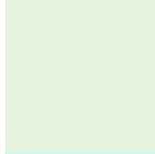
Original Color

68.2569, 86.9145, 74.8067



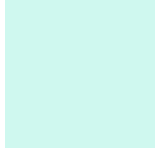
Protanomaly

75.4862, 85.6516, 70.9464



Deuteranomaly

77.8919, 85.7671, 81.5566



Tritanomaly

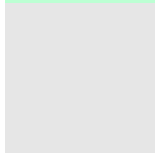
74.8795, 86.6322, 94.4365

Monochromacy



Original Color

68.2569, 86.9145, 74.8067



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.2101, 81.5078, 81.7387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2569, 86.9145, 74.8067 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(188, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 211)  
}
```

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(188, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 68.2569, 86.9145, 74.8067 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(188, 255, 211) }
```


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

```
.border{ border-color:rgb(188, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2569, 86.9145, 74.8067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 211) }
```

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

```
.background{ background-color: rgb(188,  
255, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor