

Converting Colors

XYZ(76.8162, 104.5568,
78.2019)

Have a look what the booklet for
XYZ(76.8162, 104.5568, 78.2019)
contains.

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Color

**XYZ(67.8934, 86.7126,
75.4462)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFD4
RGB	186, 255, 212
RGB Percent	73%, 100%, 83%
CMY	0.2706, 0.0000, 0.1686
CMYK	0.27, 0.00, 0.17, 0.00
HSL	143°, 100%, 86%
HSV	143°, 27%, 100%
XYZ	67.8934, 86.7126, 75.4462
YIQ	229.4670, -27.3210, -28.0010

Conversions

Conversions Part 2

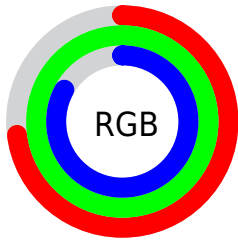
Format	Color
RYB	186, 236, 255
Decimal	12255188
CIELab	94.62, -29.84, 13.74
CIELCh	95, 32.847, 155.276
Yxy	86.7126, 0.2951, 0.3769
Android (android.graphics.Color)	4290445268 (0xFFBAFFD4)
YUV	229.4670, -8.6112, -38.1206
Hunter-Lab	93.1196, -32.8151, 17.1465

Details

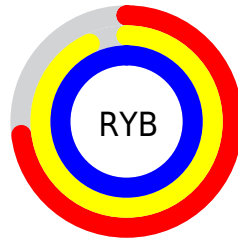
The XYZ color **67.8934, 86.7126, 75.4462** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.9422, 62.0358, 82.2583**, and the grayscale version is **74.8958, 78.7962, 85.8091**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.6400, 47.6478, 39.2168** is the 20% darker color. If you saturate the color by 10%, you get **60.3342, 83.0360, 65.1385**, and if you desaturate by 10%, it is **76.7568, 91.0386, 86.8477**.

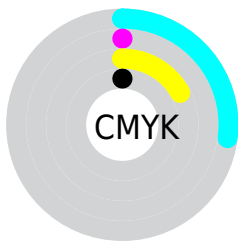
Distribution



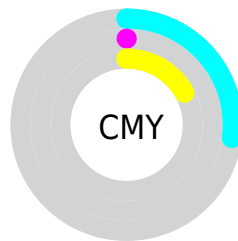
- Red (73%)
- Green (100%)
- Blue (83%)



- Red (73%)
- Yellow (93%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8934, 86.7126, 75.4462 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 67.8934, 86.7126, 75.4462 by changing the saturation by 10% instead.


 67.8934, 86.7126,
75.4462

 67.8934, 86.7126,
75.4462

442.5009,
517.2780, 498.7461

 50.0844, 65.2574,
55.4746


 115.2424,
142.7635, 128.6967

 35.6985, 47.6698,
39.3807


145.5130,
178.1280, 162.8126

 24.3705, 33.5655,
26.7459


180.6683,
218.8976, 202.4804

 15.7349, 22.5600,
17.1517

221.0735,
265.4569, 248.1186

 9.4264, 14.2690,
10.1796

267.0940,
318.1902, 300.1457

 5.0797, 8.3080,
5.4111

319.0952,

 2.3293, 4.2926,

377.4819, 358.9803

2.4275

377.4423,
443.7164, 425.0409

■ 0.8096, 1.8386,
0.8013

■ 0.0000, 0.5110,
0.0000

■ 67.8934, 86.7126,
75.4462

■ 67.8934, 86.7126,
75.4462

■ 60.3342, 83.0360,
65.1385

■ 76.7568, 91.0386,
86.8477

■ 54.0127, 79.9753,
55.8877

■ 86.9821, 96.0434,
99.3699

■ 48.8592, 77.4954,
47.6609

95.0500, 100.0000,
108.9000

■ 44.7964, 75.5569,
40.4220

■ 41.7367, 74.1156,
34.1326

■ 39.5780, 73.1196,
28.7513

■ 38.1914, 72.5034,
24.2333

■ 37.8755, 72.3662,
23.0599

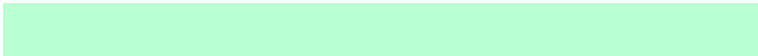
Harmonies

Analogous

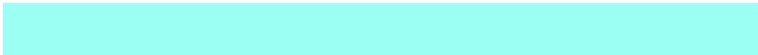
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9666, 86.7126, 59.9267



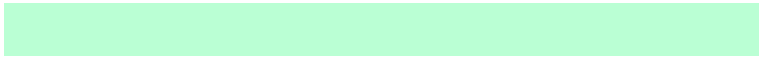
67.8934, 86.7126, 75.4462



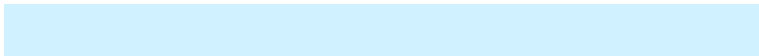
66.5931, 86.7126, 98.9725

Triad

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



67.8934, 86.7126, 75.4462



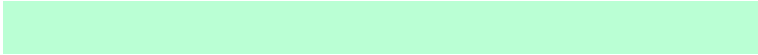
83.9940, 86.7126, 151.7992



97.1205, 86.7126, 68.9514

Complementary

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



67.8934, 86.7126, 75.4462



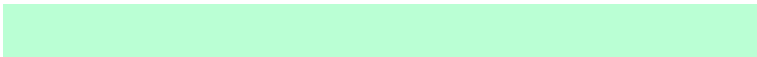
72.9422, 62.0358, 82.2583

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.



100.5695, 86.7126, 90.0001



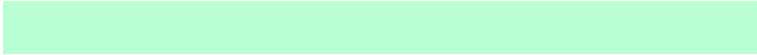
67.8934, 86.7126, 75.4462



92.6516, 86.7126, 140.1033

Square

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



67.8934, 86.7126, 75.4462



75.4967, 86.7126, 146.0206



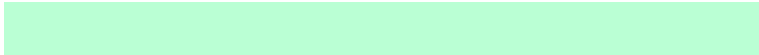
98.8785, 86.7126, 116.3239



89.7493, 86.7126, 56.6744

Rectangle

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



67.8934, 86.7126, 75.4462



67.9544, 86.7126, 116.8141



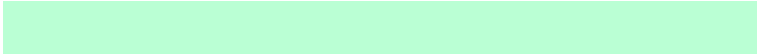
98.8785, 86.7126, 116.3239



98.8002, 86.7126, 75.0800

Sweetspot

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



67.8941, 86.7129, 75.4476



85.9592, 95.5422, 98.1417



77.1603, 91.8388, 60.1154



18.0547, 20.2814, 20.5910



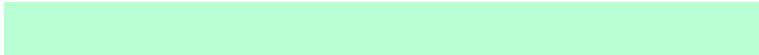
0.0000, 0.0000, 0.0000



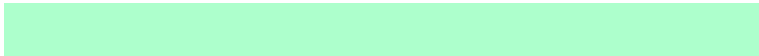
20.3446, 21.4041, 23.3091

Same Dimension

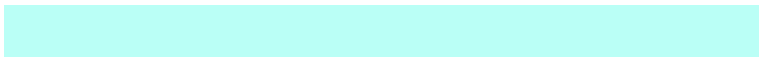
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8941, 86.7129, 75.4476



63.9991, 84.8167, 70.2185



72.6141, 88.6009, 100.3027



18.0547, 20.2814, 20.5910



19.8573, 37.8395, 12.3996



1.9844, 3.7047, 1.4759

Inverse Universe

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



72.9422, 62.0358, 82.2583



69.7490, 56.6962, 77.9671



68.6725, 60.3279, 59.7745



18.4854, 18.1775, 21.1734



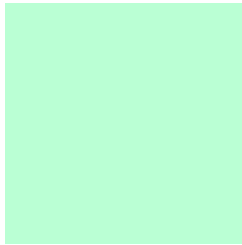
24.8895, 12.4451, 18.6006



2.4765, 1.2330, 2.0907

Previews

White Background



This preview shows how the XYZ color 67.8934, 86.7126, 75.4462 looks on a white background.

Color Contrast Check

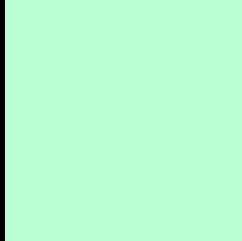
Large Text (above 18pt) WCAG AA × Fail

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 67.8934, 86.7126, 75.4462 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 67.8934, 86.7126, 75.4462

Background



This preview shows how black text looks on a background with the XYZ color 67.8934, 86.7126, 75.4462.



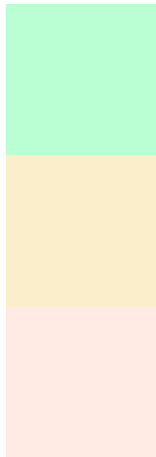
This preview shows how white text looks on a background with the XYZ color 67.8934, 86.7126,

75.4462.

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

67.8934, 86.7126, 75.4462

Protanopia

81.1377, 85.9701, 68.8174

Deuteranopia

84.6664, 85.7071, 85.4795



Tritanopia

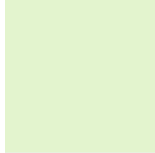
79.0160, 86.6731, 107.1727

Trichromacy



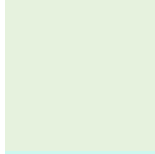
Original Color

67.8934, 86.7126, 75.4462



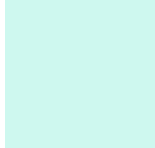
Protanomaly

75.1698, 85.4885, 70.9316



Deuteranomaly

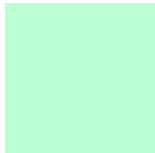
77.5701, 85.6012, 81.5415



Tritanomaly

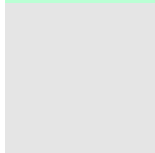
74.6010, 86.4886, 94.4234

Monochromacy



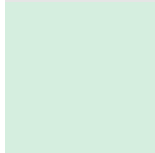
Original Color

67.8934, 86.7126, 75.4462



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.3344, 80.6229, 81.6141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8934, 86.7126, 75.4462 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(186, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 212)  
}
```

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(186, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 67.8934, 86.7126, 75.4462 is called "border". The border property can be set on classes, ids or directly on the HTML element.

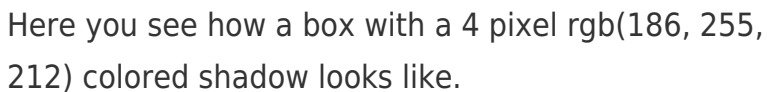
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 255, 212) }
```


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

```
.border{ border-color:rgb(186, 255, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 255, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 255, 212); box-shadow:4px 4px 4px 4px rgb(186, 255, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8934, 86.7126, 75.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 212) }
```

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

```
.background{ background-color: rgb(186,  
255, 212) }
```

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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