

Converting Colors

XYZ(75.3125, 100.0000,
81.4114)

Have a look what the booklet for
XYZ(75.3125, 100.0000, 81.4114)
contains.

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Color

**XYZ(68.9084, 87.1468,
79.5188)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFFDA
RGB	187, 255, 218
RGB Percent	73%, 100%, 85%
CMY	0.2667, 0.0000, 0.1451
CMYK	0.27, 0.00, 0.15, 0.00
HSL	147°, 100%, 87%
HSV	147°, 27%, 100%
XYZ	68.9084, 87.1468, 79.5188
YIQ	230.4500, -28.6510, -25.9230

Conversions

Conversions Part 2

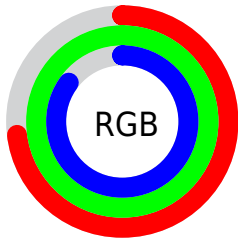
Format	Color
R _Y B	187, 234, 255
Decimal	12320730
CIE Lab	94.80, -28.41, 10.93
CIE LCh	95, 30.443, 158.965
Yxy	87.1468, 0.2925, 0.3699
Android (android.graphics.Color)	4290510810 (0xFFBBFFDA)
YUV	230.4500, -6.1379, -38.1057
Hunter-Lab	93.3525, -31.6065, 14.8427

Details

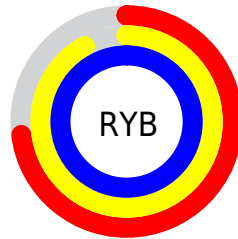
The XYZ color **68.9084, 87.1468, 79.5188** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.4653, 62.1833, 78.7042**, and the grayscale version is **75.6061, 79.5435, 86.6229**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **36.3207, 47.9380, 41.9890** is the 20% darker color. If you saturate the color by 10%, you get **61.4737, 83.5151, 70.0869**, and if you desaturate by 10%, it is **77.6043, 91.4109, 89.8060**.

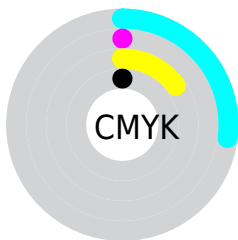
Distribution



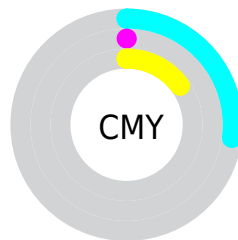
- Red (73%)
- Green (100%)
- Blue (85%)



- Red (73%)
- Yellow (92%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9084, 87.1468, 79.5188 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 68.9084, 87.1468, 79.5188 by changing the saturation by 10% instead.


 68.9084, 87.1468,
79.5188

 68.9084, 87.1468,
79.5188


446.0343,
518.7051, 512.9736

 50.9135, 65.6167,
58.7986


 116.6855,
143.3687, 134.4943

 36.3605, 47.9613,
42.0321


147.1984,
178.8294, 169.5866

 24.8842, 33.7963,
28.8007


182.6147,
219.7023, 210.3068

 16.1190, 22.7371,
18.6858

223.2997,
266.3719, 257.0733

 9.6998, 14.3995,
11.2690

269.6189,
319.2226, 310.3047

 5.2611, 8.3991,
6.1316

321.9374,

 2.4376, 4.3513,

378.6388, 370.4195

2.8552

380.6208,
445.0048, 437.8363

■ 0.8639, 1.8720,
1.0212

■ 0.0000, 0.5314,
0.0000

■ 68.9084, 87.1468,
79.5188

■ 68.9084, 87.1468,
79.5188

■ 61.4737, 83.5151,
70.0869

■ 77.6043, 91.4109,
89.8060

■ 55.2356, 80.4832,
61.4837

■ 87.6169, 96.3360,
100.9656

■ 50.1270, 78.0169,
53.6875

95.0500, 100.0000,
108.9000

■ 46.0729, 76.0780,
46.6737

■ 42.9887, 74.6233,
40.4166

■ 40.7756, 73.6025,
34.8886

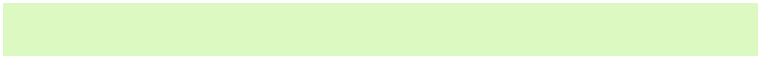
■ 39.3102, 72.9524,
30.0598

■ 38.9272, 72.7869,
28.5980

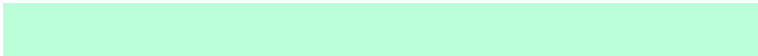
Harmonies

Analogous

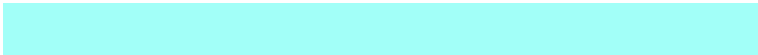
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2636, 87.1468, 63.8062



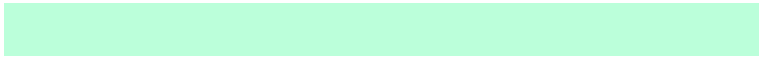
68.9084, 87.1468, 79.5188



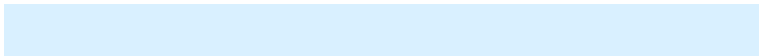
68.1487, 87.1468, 102.1340

Triad

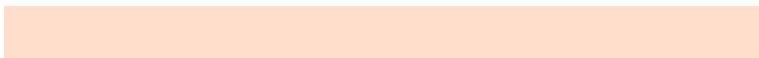
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9084, 87.1468, 79.5188



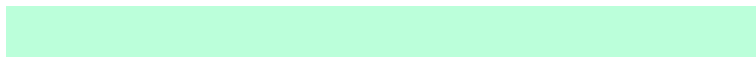
85.3233, 87.1468, 147.1213



95.7668, 87.1468, 69.1245

Complementary

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



68.9084, 87.1468, 79.5188



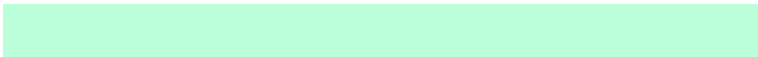
72.4653, 62.1833, 78.7042

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.



99.4825, 87.1468, 87.9931



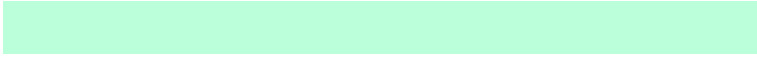
68.9084, 87.1468, 79.5188



93.1957, 87.1468, 134.7107

Square

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



68.9084, 87.1468, 79.5188



77.2740, 87.1468, 143.8388



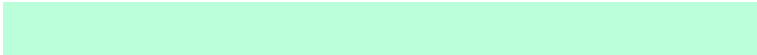
98.5116, 87.1468, 112.1201



88.6470, 87.1468, 58.5328

Rectangle

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



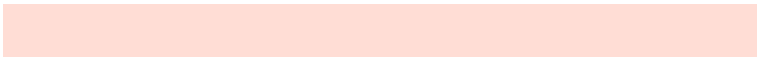
68.9084, 87.1468, 79.5188



69.7305, 87.1468, 118.5955



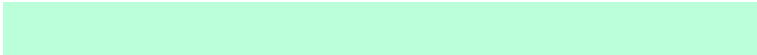
98.5116, 87.1468, 112.1201



97.4761, 87.1468, 74.5713

Sweetspot

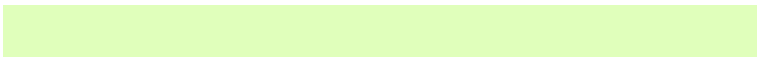
The Sweet Spot groups the original color and five complimentary colors.



68.9091, 87.1471, 79.5202



86.2030, 95.6398, 99.4255



75.5947, 91.0194, 60.5990



18.1159, 20.3059, 20.9135



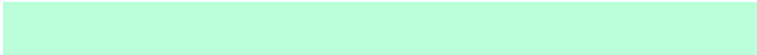
0.0000, 0.0000, 0.0000



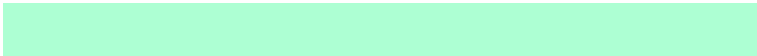
20.3446, 21.4041, 23.3091

Same Dimension

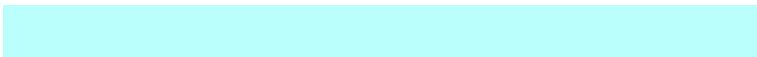
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9091, 87.1471, 79.5202



64.7901, 85.1331, 74.3837



73.7613, 89.0880, 105.0716



18.1159, 20.3059, 20.9135



20.4135, 38.0620, 15.3284



2.0419, 3.7277, 1.7784

Inverse Universe

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



72.4653, 62.1833, 78.7042



68.8890, 56.3522, 73.4380



68.3490, 60.5368, 57.0281



18.4228, 18.1524, 20.8437



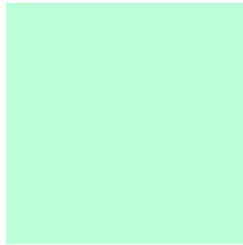
24.0505, 12.1095, 14.1824



2.3969, 1.2011, 1.6713

Previews

White Background



This preview shows how the XYZ color 68.9084, 87.1468, 79.5188 looks on a white background.

Color Contrast Check

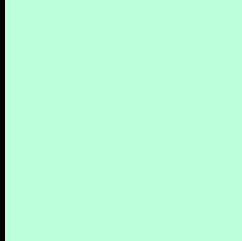
Large Text (above 18pt) WCAG AA × Fail

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 68.9084, 87.1468, 79.5188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

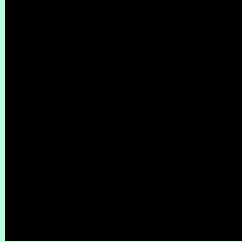
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9084, 87.1468, 79.5188

Background



This preview shows how black text looks on a background with the XYZ color 68.9084, 87.1468, 79.5188.



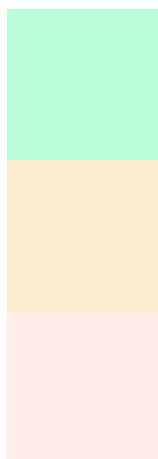
This preview shows how white text looks on a background with the XYZ color 68.9084, 87.1468,

79.5188.

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

68.9084, 87.1468, 79.5188

Protanopia

81.5075, 86.0765, 72.6401

Deuteranopia

85.3721, 86.4462, 87.7875



Tritanopia

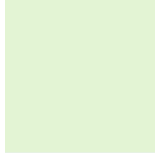
79.3141, 86.8268, 107.1867

Trichromacy



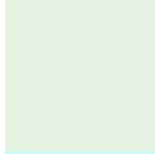
Original Color

68.9084, 87.1468, 79.5188



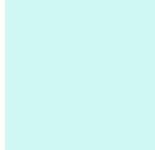
Protanomaly

75.9129, 85.7857, 74.8446



Deuteranomaly

78.1127, 85.8182, 84.3991



Tritanomaly

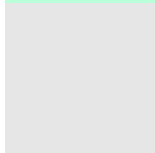
75.3265, 86.8110, 96.7905

Monochromacy



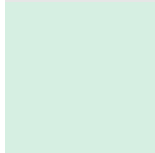
Original Color

68.9084, 87.1468, 79.5188



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.3255, 81.5201, 83.8745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9084, 87.1468, 79.5188 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(187, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 218)  
}
```

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(187, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 68.9084, 87.1468, 79.5188 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(187, 255, 218) }
```


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

```
.border{ border-color:rgb(187, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9084, 87.1468, 79.5188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 218) }
```

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

```
.background{ background-color: rgb(187,  
255, 218) }
```

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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