

Converting Colors

XYZ(69.9408, 88.5822,
102.9471)

Have a look what the booklet for
XYZ(69.9408, 88.5822, 102.9471)
contains.

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Color

**XYZ(69.0073, 86.6844,
102.7172)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FFF9
RGB	168, 255, 249
RGB Percent	66%, 100%, 98%
CMY	0.3412, 0.0000, 0.0235
CMYK	0.34, 0.00, 0.02, 0.00
HSL	176°, 100%, 83%
HSV	176°, 34%, 100%
XYZ	69.0073, 86.6844, 102.7172
YIQ	228.3030, -49.9260, -20.3100

Conversions

Conversions Part 2

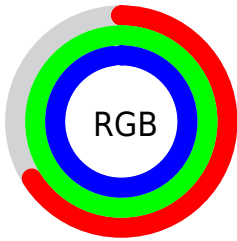
Format	Color
R_{YB}	168, 213, 255
Decimal	11075577
CIE Lab	94.60, -27.35, -5.45
CIE LCh	95, 27.892, 191.277
Yxy	86.6844, 0.2670, 0.3355
Android (android.graphics.Color)	4289265657 (0xFFA8FFF9)
YUV	228.3030, 10.2036, -52.8857
Hunter-Lab	93.1045, -30.6319, -0.2384

Details

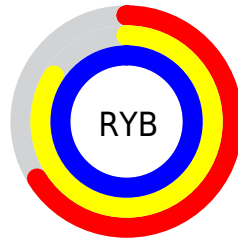
The XYZ color **69.0073, 86.6844, 102.7172** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.8834, 52.3226, 46.8302**, and the grayscale version is **73.9184, 77.7679, 84.6893**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **36.5018, 47.6832, 57.7320** is the 20% darker color. If you saturate the color by 10%, you get **63.8280, 84.0459, 101.0513**, and if you desaturate by 10%, it is **75.2556, 89.8736, 104.4495**.

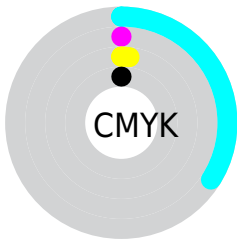
Distribution



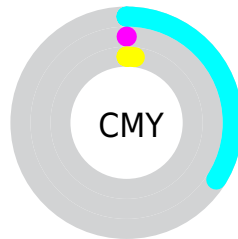
- Red (66%)
- Green (100%)
- Blue (98%)



- Red (66%)
- Yellow (84%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.0073, 86.6844, 102.7172 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 69.0073, 86.6844, 102.7172 by changing the saturation by 10% instead.


 69.0073, 86.6844,
102.7172

 69.0073, 86.6844,
102.7172


446.3777,
517.1852, 590.1905

 50.9943, 65.2341,
77.9422


 116.8260,
142.7242, 166.9706

 36.4251, 47.6509,
57.5104


147.3625,
178.0824, 207.2861

 24.9343, 33.5505,
41.0030

182.8041,
218.8454, 253.6189

 16.1566, 22.5485,
28.0017

223.5163,
265.3975, 306.3874

 9.7266, 14.2605,
18.0879

269.8644,
318.1231, 366.0103

 5.2789, 8.3021,
10.8430

322.2138,

 2.4483, 4.2888,

377.4067, 432.9061

5.8485

380.9297,
443.6326, 507.4933

■ 0.8692, 1.8364,
2.6859

■ 0.0000, 0.5097,
0.9363

■ 69.0073, 86.6844,
102.7172

■ 69.0073, 86.6844,
102.7172

■ 63.8280, 84.0459,
101.0513

■ 75.2556, 89.8736,
104.4495

■ 59.6522, 81.9244,
99.4442

■ 82.6274, 93.6418,
106.2463

■ 56.4119, 80.2849,
97.8943

■ 91.1768, 98.0167,
108.1117

■ 54.0294, 79.0873,
96.3978

■ 95.0500, 100.0000,
108.9000

■ 52.4143, 78.2851,
94.9504

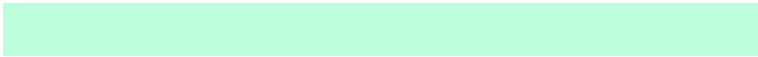
■ 51.4563, 77.8213,
93.5471

■ 51.1073, 77.6589,
92.7376

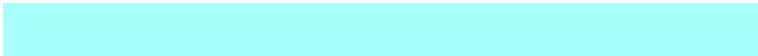
Harmonies

Analogous

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



69.4401, 86.6844, 81.7050



69.0073, 86.6844, 102.7172



71.9939, 86.6844, 124.4271

Triad

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



69.0073, 86.6844, 102.7172



92.3037, 86.6844, 129.0558



87.1205, 86.6844, 60.3436

Complementary

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



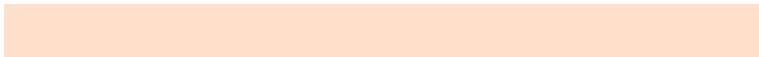
69.0073, 86.6844, 102.7172



62.8834, 52.3226, 46.8302

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.



93.7436, 86.6844, 69.6146



69.0073, 86.6844, 102.7172



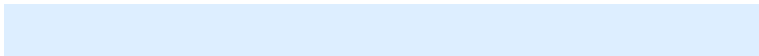
96.8595, 86.6844, 108.3125

Square

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



69.0073, 86.6844, 102.7172



85.2513, 86.6844, 141.1045



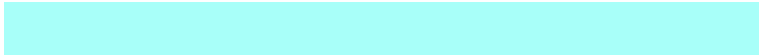
97.4019, 86.6844, 86.5152



79.5953, 86.6844, 59.3164

Rectangle

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



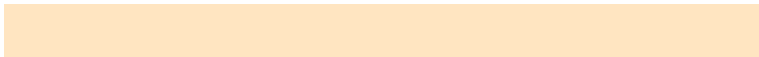
69.0073, 86.6844, 102.7172



75.6349, 86.6844, 135.5613



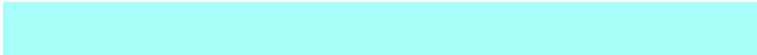
97.4019, 86.6844, 86.5152



89.5377, 86.6844, 62.5249

Sweetspot

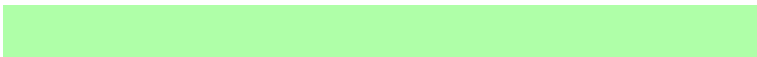
The Sweet Spot groups the original color and five complimentary colors.



69.0083, 86.6849, 102.7187



86.0011, 95.3677, 107.0057



60.5643, 83.4906, 49.9707



18.1564, 20.2840, 22.8478



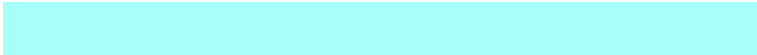
0.0000, 0.0000, 0.0000



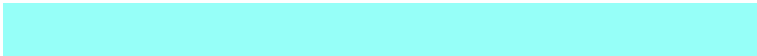
20.3446, 21.4041, 23.3091

Same Dimension

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



69.0083, 86.6849, 102.7187



65.3316, 84.8112, 101.5643



59.4659, 66.0786, 104.2280



18.4976, 20.4586, 22.9234



26.7277, 40.5877, 48.5785



2.6180, 3.9581, 4.8121

Inverse Universe

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



62.8834, 52.3226, 46.8302



58.3605, 45.6735, 37.9338



69.9610, 67.3929, 46.3682



18.0602, 18.0074, 18.9340



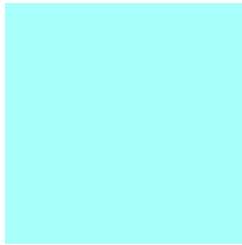
21.6226, 11.1383, 1.3974



2.1222, 1.0913, 0.2250

Previews

White Background



This preview shows how the XYZ color 69.0073, 86.6844, 102.7172 looks on a white background.

Color Contrast Check

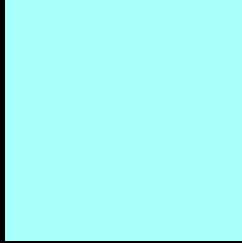
Large Text (above 18pt) WCAG AA × Fail

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 69.0073, 86.6844, 102.7172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

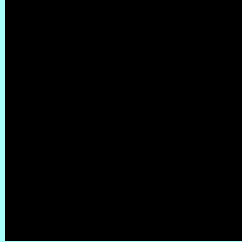
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

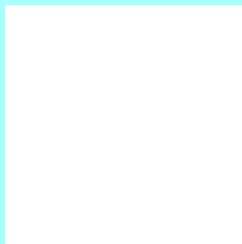
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.0073, 86.6844, 102.7172

Background



This preview shows how black text looks on a background with the XYZ color 69.0073, 86.6844, 102.7172.

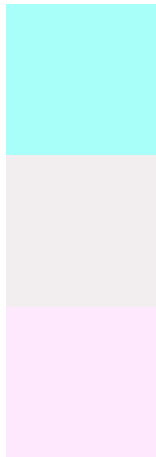


This preview shows how white text looks on a background with the XYZ color 69.0073, 86.6844,

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

69.0073, 86.6844, 102.7172

Protanopia

82.4821, 85.6776, 93.8515

Deuteranopia

87.6191, 85.9398, 105.7360



Tritanopia

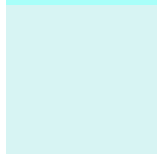
77.5664, 86.3737, 107.1913

Trichromacy



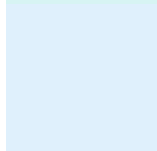
Original Color

69.0073, 86.6844, 102.7172



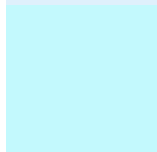
Protanomaly

76.5527, 85.6195, 97.2855



Deuteranomaly

79.1622, 85.0364, 104.3368



Tritanomaly

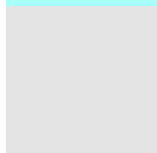
74.1110, 86.4453, 105.7081

Monochromacy



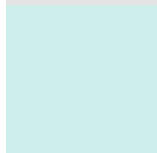
Original Color

69.0073, 86.6844, 102.7172



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.1685, 80.3270, 91.1106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0073, 86.6844, 102.7172 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(168, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 249)  
}
```

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(168, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 69.0073, 86.6844, 102.7172 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(168, 255, 249) }
```


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

```
.border{ border-color:rgb(168, 255, 249) }
```

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

Here you see how a box with a 4 pixel rgb(168, 255, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0073, 86.6844, 102.7172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 249) }
```

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

```
.background{ background-color: rgb(168,  
255, 249) }
```

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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