

Converting Colors

XYZ(72.3690, 92.6613, 95.8884)

Have a look what the booklet for
XYZ(72.3690, 92.6613, 95.8884)
contains.

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Color

**XYZ(69.7001, 87.2170,
94.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FFEF
RGB	178, 255, 239
RGB Percent	70%, 100%, 94%
CMY	0.3019, 0.0000, 0.0627
CMYK	0.30, 0.00, 0.06, 0.00
HSL	168°, 100%, 85%
HSV	168°, 30%, 100%
XYZ	69.7001, 87.2170, 94.8223
YIQ	230.1530, -40.7560, -21.3000

Conversions

Conversions Part 2

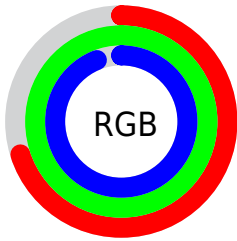
Format	Color
RYB	178, 221, 255
Decimal	11730927
CIELab	94.83, -26.83, 0.10
CIELCh	95, 26.829, 179.796
Yxy	87.2170, 0.2769, 0.3465
Android (android.graphics.Color)	4289921007 (0xFFB2FFEF)
YUV	230.1530, 4.3616, -45.7382
Hunter-Lab	93.3900, -30.2121, 5.1737

Details

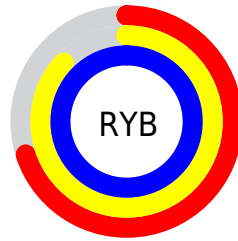
The XYZ color **69.7001, 87.2170, 94.8223** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.8987, 56.9971, 58.5152**, and the grayscale version is **75.3173, 79.2396, 86.2920**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **36.9097, 48.0180, 52.1228** is the 20% darker color. If you saturate the color by 10%, you get **63.6120, 84.1675, 90.5120**, and if you desaturate by 10%, it is **76.9006, 90.8371, 99.3073**.

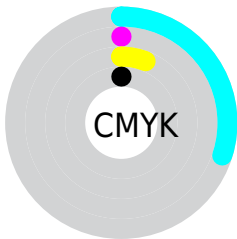
Distribution



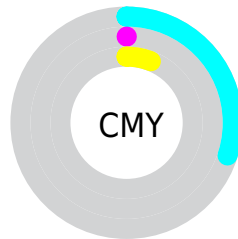
- Red (70%)
- Green (100%)
- Blue (94%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7001, 87.2170, 94.8223 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 69.7001, 87.2170, 94.8223 by changing the saturation by 10% instead.

69.7001, 87.2170,
94.8223

69.7001, 87.2170,
94.8223

448.7792,
518.9357, 564.5657

51.5608, 65.6748,
71.3910

117.8096,
143.4666, 156.0125

36.8780, 48.0085,
52.1776

148.5105,
178.9427, 194.6086

25.2863, 33.8336,
36.7634

184.1292,
219.8323, 239.0966

16.4203, 22.7658,
24.7300

225.0313,
266.5197, 289.8952

9.9148, 14.4207,
15.6588

271.5819,
319.3894, 347.4229

5.4043, 8.4138,
9.1313

324.1466,

2.5236, 4.3609,

378.8257, 412.0982

4.7290

383.0905,
445.2130, 484.3396

■ 0.9072, 1.8774,
2.0332

■ 0.0000, 0.5347,
0.5756

■ 69.7001, 87.2170,
94.8223

■ 69.7001, 87.2170,
94.8223

■ 63.6120, 84.1675,
90.5120

■ 76.9006, 90.8371,
99.3073

■ 58.5728, 81.6562,
86.3682

■ 85.2664, 95.0555,
103.9662

■ 54.5170, 79.6493,
82.3881

94.8508, 99.8992,
108.8039

■ 51.3706, 78.1086,
78.5674

95.0500, 100.0000,
108.9000

■ 49.0485, 76.9902,
74.9008

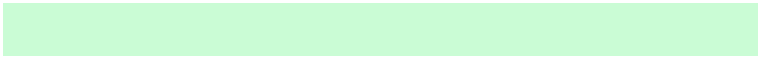
■ 47.4494, 76.2421,
71.3828

■ 46.4227, 75.7851,
68.0689

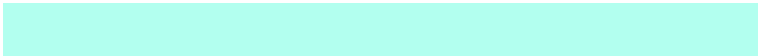
Harmonies

Analogous

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



71.4028, 87.2170, 76.2293



69.7001, 87.2170, 94.8223



71.3579, 87.2170, 116.2602

Triad

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



69.7001, 87.2170, 94.8223



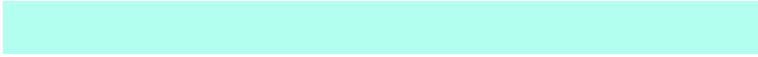
90.0330, 87.2170, 134.0775



90.1239, 87.2170, 64.4199

Complementary

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



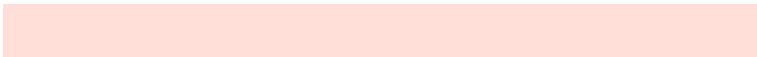
69.7001, 87.2170, 94.8223



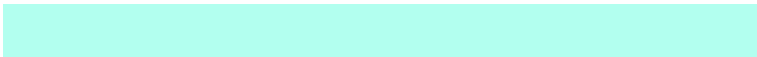
66.8987, 56.9971, 58.5152

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.



95.6178, 87.2170, 76.4423



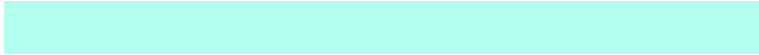
69.7001, 87.2170, 94.8223



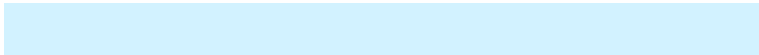
95.5632, 87.2170, 116.5424

Square

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



69.7001, 87.2170, 94.8223



82.8475, 87.2170, 140.8431



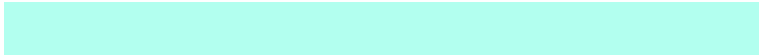
97.6630, 87.2170, 95.1068



82.9468, 87.2170, 60.3180

Rectangle

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



69.7001, 87.2170, 94.8223



74.2043, 87.2170, 128.9077



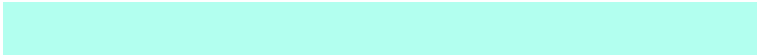
97.6630, 87.2170, 95.1068



92.2436, 87.2170, 67.5733

Sweetspot

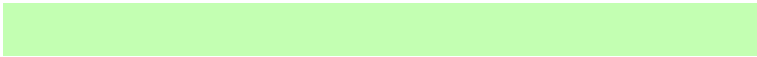
The Sweet Spot groups the original color and five complimentary colors.



69.7010, 87.2174, 94.8238



86.3466, 95.6008, 104.5348



66.2207, 86.2947, 55.2874



18.2007, 20.3206, 22.2266



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

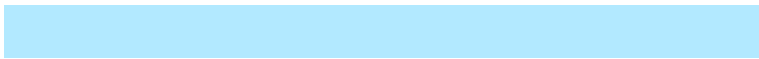
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7010, 87.2174, 94.8238



66.0348, 85.3795, 92.3001



65.6019, 75.0675, 105.6396



18.3837, 20.4130, 22.3233



24.3130, 39.6218, 35.8633



2.4060, 3.8733, 3.6958

Inverse Universe

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



66.8987, 56.9971, 58.5152



62.8446, 50.9142, 50.9197



69.8885, 65.6991, 51.1187



18.1637, 18.0488, 19.4794



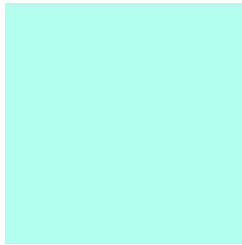
21.9273, 11.2602, 3.0019



2.1724, 1.1113, 0.4891

Previews

White Background



This preview shows how the XYZ color 69.7001, 87.2170, 94.8223 looks on a white background.

Color Contrast Check

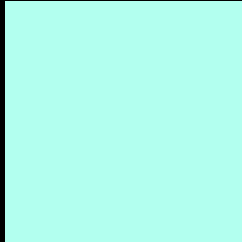
Large Text (above 18pt) WCAG AA × Fail

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 69.7001, 87.2170, 94.8223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

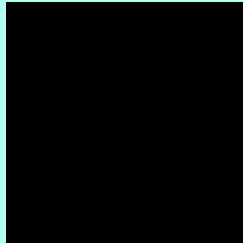
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7001, 87.2170, 94.8223

Background



This preview shows how black text looks on a background with the XYZ color 69.7001, 87.2170, 94.8223.

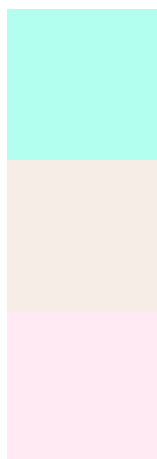


This preview shows how white text looks on a background with the XYZ color 69.7001, 87.2170,

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

69.7001, 87.2170, 94.8223

Protanopia

82.8635, 86.4551, 87.1830

Deuteranopia

86.8405, 86.5767, 96.9280



Tritanopia

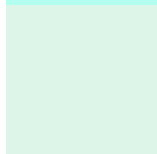
78.7267, 86.9719, 107.2457

Trichromacy



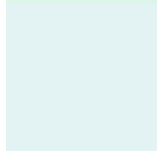
Original Color

69.7001, 87.2170, 94.8223



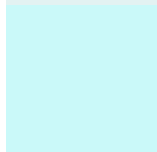
Protanomaly

76.8775, 85.9567, 89.6302



Deuteranomaly

79.4577, 86.2460, 96.4637



Tritanomaly

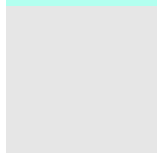
75.3317, 87.1475, 102.4733

Monochromacy



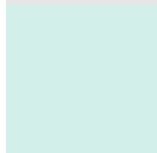
Original Color

69.7001, 87.2170, 94.8223



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.4385, 81.4651, 88.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7001, 87.2170, 94.8223 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(178, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 239)  
}
```

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(178, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 69.7001, 87.2170, 94.8223 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(178, 255, 239) }
```


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

```
.border{ border-color:rgb(178, 255, 239) }
```

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

Here you see how a box with a 4 pixel rgb(178, 255, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7001, 87.2170, 94.8223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 239) }
```

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

```
.background{ background-color: rgb(178,  
255, 239) }
```

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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