

Converting Colors

XYZ(84.9998, 100.0000,
156.5475)

Have a look what the booklet for
XYZ(84.9998, 100.0000, 156.5475)
contains.

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Color

**XYZ(71.7145, 87.9701,
107.8079)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFFF
RGB	176, 255, 255
RGB Percent	69%, 100%, 100%
CMY	0.3098, 0.0000, 0.0000
CMYK	0.31, 0.00, 0.00, 0.00
HSL	180°, 100%, 85%
HSV	180°, 31%, 100%
XYZ	71.7145, 87.9701, 107.8079
YIQ	231.3790, -47.0840, -16.7480

Conversions

Conversions Part 2

Format	Color
R_{YB}	176, 216, 255
Decimal	11599871
CIE _{Lab}	95.15, -23.90, -7.70
CIE _{LCh}	95, 25.109, 197.869
Yxy	87.9701, 0.2681, 0.3289
Android (android.graphics.Color)	4289789951 (0xFFB0FFFF)
YUV	231.3790, 11.6452, -48.5674
Hunter-Lab	93.7924, -27.6539, -2.4951

Details

The XYZ color **71.7145, 87.9701, 107.8079** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.6029, 55.4468, 48.3735**, and the grayscale version is **76.1789, 80.1461, 87.2791**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **38.1329, 48.4585, 60.7697** is the 20% darker color. If you saturate the color by 10%, you get **66.4806, 85.2719, 107.5630**, and if you desaturate by 10%, it is **78.0330, 91.2274, 108.1036**.

Distribution



- Red (69%)
- Green (100%)
- Blue (100%)



- Red (69%)
- Yellow (85%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7145, 87.9701, 107.8079 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 71.7145, 87.9701, 107.8079 by changing the saturation by 10% instead.


 71.7145, 87.9701,
107.8079

 71.7145, 87.9701,
107.8079

455.7203,
521.4053, 606.4051

 53.2101, 66.2983,
82.1839


 120.6635,
144.5155, 173.9915

 38.1987, 48.5146,
60.9805


151.8389,
180.1580, 215.3882

 26.3148, 34.2346,
43.7789


187.9686,
221.2260, 262.8795

 17.1932, 23.0739,
30.1608

229.4181,
268.1042, 316.8841

 10.4685, 14.6481,
19.7076

276.5526,
321.1768, 377.8204

 5.7753, 8.5728,
12.0007

329.7376,

 2.7483, 4.4636,

380.8283, 446.1069

6.6216

389.3384,
447.4430, 522.1623

■ 1.0221, 1.9361,
3.1518

■ 0.0000, 0.5700,
1.1726

■ 71.7145, 87.9701,
107.8079

■ 71.7145, 87.9701,
107.8079

■ 66.4806, 85.2719,
107.5630

■ 78.0330, 91.2274,
108.1036

■ 62.2680, 83.1002,
107.3658

■ 85.4897, 95.0715,
108.4526

■ 59.0108, 81.4211,
107.2134

■ 94.1375, 99.5296,
108.8573

■ 56.6343, 80.1960,
107.1022

■ 95.0500, 100.0000,
108.9000

■ 55.0528, 79.3807,
107.0282

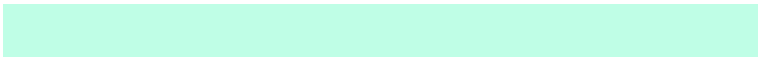
■ 54.1634, 78.9222,
106.9865

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

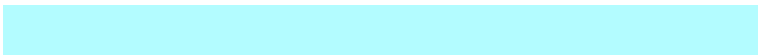
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4074, 87.9701, 88.0883



71.7145, 87.9701, 107.8079



75.1004, 87.9701, 126.5075

Triad

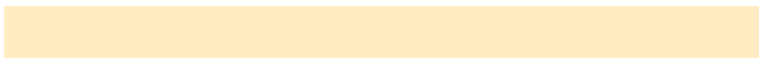
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7145, 87.9701, 107.8079



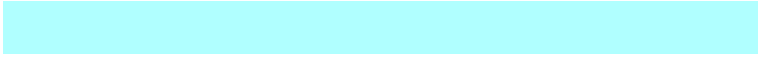
93.7463, 87.9701, 123.3262



86.4061, 87.9701, 63.4889

Complementary

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



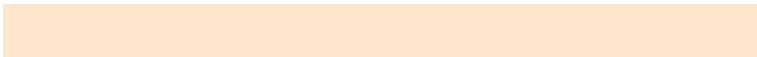
71.7145, 87.9701, 107.8079



64.6029, 55.4468, 48.3735

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.



92.7456, 87.9701, 70.4878



71.7145, 87.9701, 107.8079



97.1356, 87.9701, 103.9164

Square

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



71.7145, 87.9701, 107.8079



87.7120, 87.9701, 136.2728



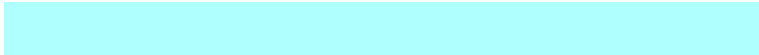
96.7596, 87.9701, 84.6900



79.6436, 87.9701, 64.2334

Rectangle

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



71.7145, 87.9701, 107.8079



78.7575, 87.9701, 135.0651



96.7596, 87.9701, 84.6900



88.6639, 87.9701, 64.9698

Sweetspot

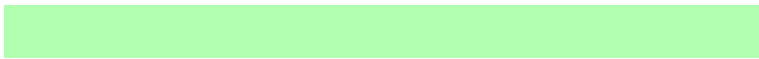
The Sweet Spot groups the original color and five complimentary colors.



71.7153, 87.9705, 107.8080



87.1049, 95.9042, 108.5282



61.5021, 83.8853, 54.0261



18.3889, 20.3959, 23.2176



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

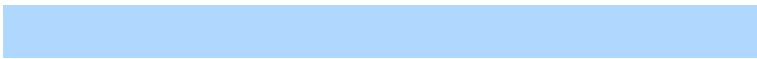
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7153, 87.9705, 107.8080



68.4375, 86.2808, 107.6546



60.3837, 65.3074, 104.0308



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



74.8160, 59.5321, 102.1553



71.9738, 53.8476, 101.2079



73.5053, 73.2516, 51.3410



18.7928, 18.3004, 22.7918



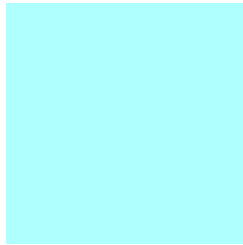
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 71.7145, 87.9701, 107.8079 looks on a white background.

Color Contrast Check

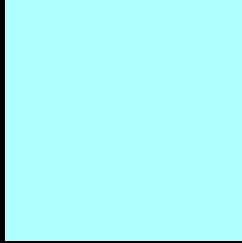
Large Text (above 18pt) WCAG AA × Fail

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 71.7145, 87.9701, 107.8079 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 71.7145, 87.9701, 107.8079

Background



This preview shows how black text looks on a background with the XYZ color 71.7145, 87.9701, 107.8079.

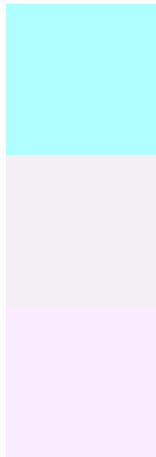


This preview shows how white text looks on a background with the XYZ color 71.7145, 87.9701,

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

71.7145, 87.9701, 107.8079

Protanopia

84.3101, 87.3803, 98.8087

Deuteranopia

87.5420, 87.1459, 106.8146



Tritanopia

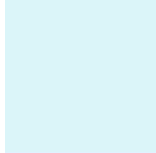
79.3247, 87.7305, 107.3606

Trichromacy



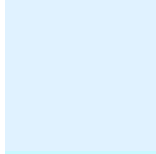
Original Color

71.7145, 87.9701, 107.8079



Protanomaly

78.9647, 87.2044, 102.2928



Deuteranomaly

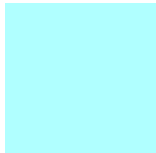
80.5426, 86.5716, 107.0727



Tritanomaly

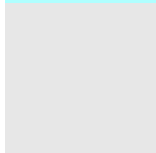
76.0131, 87.3889, 107.4692

Monochromacy



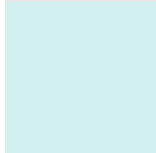
Original Color

71.7145, 87.9701, 107.8079



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.7522, 82.4603, 94.4674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7145, 87.9701, 107.8079 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(176, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 255)  
}
```

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(176, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.7145, 87.9701, 107.8079 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(176, 255, 255) }
```


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

```
.border{ border-color:rgb(176, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7145, 87.9701, 107.8079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 255) }
```

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

```
.background{ background-color: rgb(176,  
255, 255) }
```

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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