

Converting Colors

XYZ(70.0479, 87.3688, 96.0801)

Have a look what the booklet for
XYZ(70.0479, 87.3688, 96.0801)
contains.

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Color

**XYZ(69.9973, 87.3359,
96.3873)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FFF1
RGB	178, 255, 241
RGB Percent	70%, 100%, 95%
CMY	0.3019, 0.0000, 0.0549
CMYK	0.30, 0.00, 0.05, 0.00
HSL	169°, 100%, 85%
HSV	169°, 30%, 100%
XYZ	69.9973, 87.3359, 96.3873
YIQ	230.3810, -41.3980, -20.6780

Conversions

Conversions Part 2

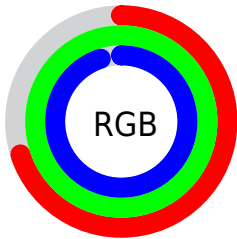
Format	Color
R_{YB}	178, 220, 255
Decimal	11730929
CIE _{Lab}	94.88, -26.41, -0.86
CIE _{LCh}	95, 26.420, 181.871
Y _{xy}	87.3359, 0.2759, 0.3442
Android (android.graphics.Color)	4289921009 (0xFFB2FFF1)
YUV	230.3810, 5.2352, -45.9381
Hunter-Lab	93.4537, -29.8465, 4.2664

Details

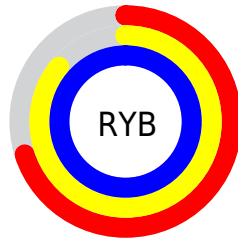
The XYZ color **69.9973, 87.3359, 96.3873** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.6756, 56.9078, 57.3400**, and the grayscale version is **75.4803, 79.4111, 86.4787**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **37.1194, 48.1019, 53.2271** is the 20% darker color. If you saturate the color by 10%, you get **63.9968, 84.3215, 92.5385**, and if you desaturate by 10%, it is **77.1048, 90.9188, 100.3828**.

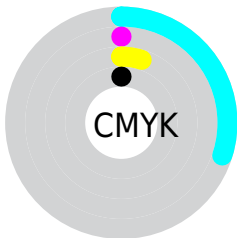
Distribution



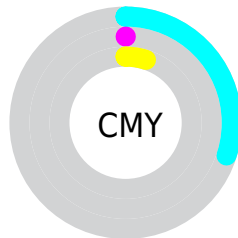
- Red (70%)
- Green (100%)
- Blue (95%)



- Red (70%)
- Yellow (86%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9973, 87.3359, 96.3873 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 69.9973, 87.3359, 96.3873 by changing the saturation by 10% instead.

69.9973, 87.3359,
96.3873

69.9973, 87.3359,
96.3873

449.8071,
519.3260, 569.6942

51.8039, 65.7732,
72.6869

118.2312,
143.6322, 158.1919

37.0724, 48.0883,
53.2297

149.0024,
179.1347, 197.1331

25.4375, 33.8968,
37.5972

184.6970,
220.0525, 241.9917

16.5338, 22.8144,
25.3708

225.6802,
266.7701, 293.1862

9.9959, 14.4565,
16.1320

272.3175,
319.6718, 351.1352

5.4585, 8.4388,
9.4623

324.9742,

2.5562, 4.3770,

379.1421, 416.2572

4.9430

384.0156,
445.5654, 488.9706

■ 0.9237, 1.8866,
2.1557

■ 0.0000, 0.5403,
0.6486

■ 69.9973, 87.3359,
96.3873

■ 69.9973, 87.3359,
96.3873

■ 63.9968, 84.3215,
92.5385

■ 77.1048, 90.9188,
100.3828

■ 59.0400, 81.8431,
88.8285

■ 85.3723, 95.0978,
104.5238

■ 55.0614, 79.8671,
85.2549

94.8528, 99.9000,
108.8149

■ 51.9870, 78.3551,
81.8135

95.0500, 100.0000,
108.9000

■ 49.7319, 77.2636,
78.4998

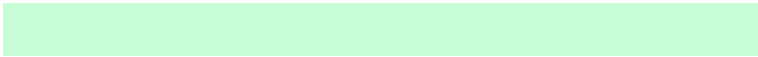
■ 48.1948, 76.5403,
75.3083

■ 47.2241, 76.1057,
72.2893

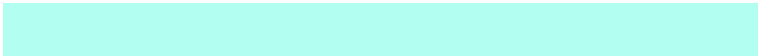
Harmonies

Analogous

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



71.4519, 87.3359, 77.6913



69.9973, 87.3359, 96.3873



71.8595, 87.3359, 117.4675

Triad

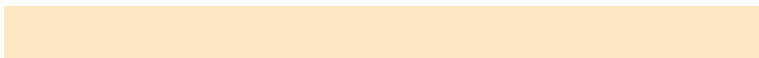
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9973, 87.3359, 96.3873



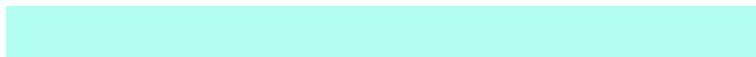
90.4932, 87.3359, 132.6591



89.6710, 87.3359, 64.3900

Complementary

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



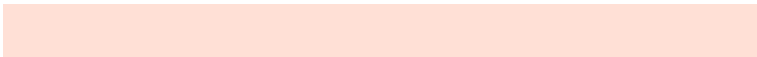
69.9973, 87.3359, 96.3873



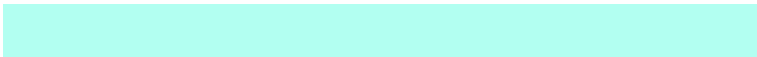
66.6756, 56.9078, 57.3400

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.



95.2585, 87.3359, 75.7586



69.9973, 87.3359, 96.3873



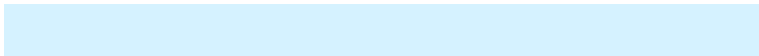
95.7521, 87.3359, 114.9187

Square

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



69.9973, 87.3359, 96.3873



83.4605, 87.3359, 140.1923



97.5434, 87.3359, 93.8122



82.5614, 87.3359, 60.8813

Rectangle

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



69.9973, 87.3359, 96.3873



74.7972, 87.3359, 129.6012



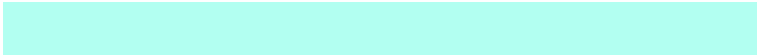
97.5434, 87.3359, 93.8122



91.8033, 87.3359, 67.3298

Sweetspot

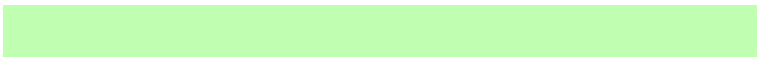
The Sweet Spot groups the original color and five complimentary colors.



69.9982, 87.3363, 96.3888



86.4404, 95.6383, 105.0285



65.5646, 85.9565, 55.2567



18.2239, 20.3299, 22.3489



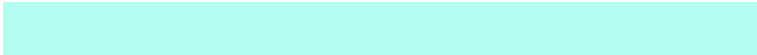
0.0000, 0.0000, 0.0000



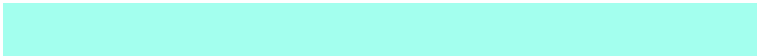
20.3446, 21.4041, 23.3091

Same Dimension

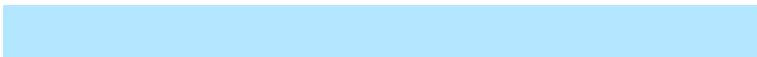
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9982, 87.3363, 96.3888



66.3835, 85.5190, 94.1364



64.8798, 73.6233, 105.3989



18.4048, 20.4215, 22.4348



24.7269, 39.7873, 38.0426



2.4428, 3.8880, 3.8895

Inverse Universe

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



66.6756, 56.9078, 57.3400



62.5997, 50.8163, 49.6302



70.4873, 66.8966, 51.3183



18.1442, 18.0410, 19.3765



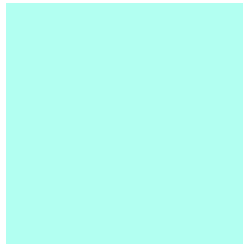
21.8488, 11.2288, 2.5881



2.1620, 1.1072, 0.4346

Previews

White Background



This preview shows how the XYZ color 69.9973, 87.3359, 96.3873 looks on a white background.

Color Contrast Check

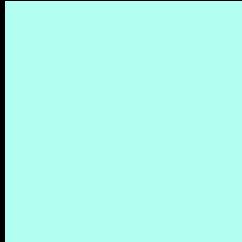
Large Text (above 18pt) WCAG AA × Fail

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 69.9973, 87.3359, 96.3873 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 69.9973, 87.3359, 96.3873

Background



This preview shows how black text looks on a background with the XYZ color 69.9973, 87.3359, 96.3873.

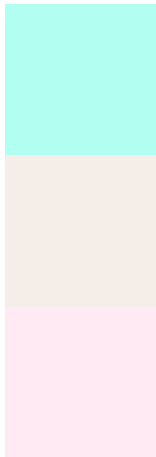


This preview shows how white text looks on a background with the XYZ color 69.9973, 87.3359,

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

69.9973, 87.3359, 96.3873

Protanopia

82.7962, 86.3877, 88.6546

Deuteranopia

86.9920, 86.6373, 97.7257



Tritanopia

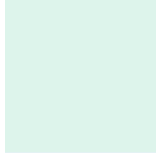
78.7267, 86.9719, 107.2457

Trichromacy



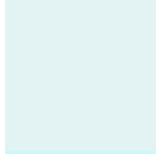
Original Color

69.9973, 87.3359, 96.3873



Protanomaly

77.1649, 86.0717, 91.1437



Deuteranomaly

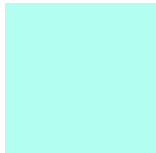
79.6083, 86.3062, 97.2570



Tritanomaly

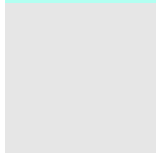
75.4881, 87.2100, 103.2971

Monochromacy



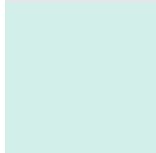
Original Color

69.9973, 87.3359, 96.3873



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.5818, 81.5224, 89.7518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9973, 87.3359, 96.3873 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 69.9973, 87.3359, 96.3873 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, 241) }
```


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

```
.border{ border-color:rgb(178, 255, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9973, 87.3359, 96.3873 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, 241) }
```

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

```
.background{ background-color: rgb(178,  
255, 241) }
```

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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