

Converting Colors

XYZ(69.8952, 87.2690,
105.1907)

Have a look what the booklet for
XYZ(69.8952, 87.2690, 105.1907)
contains.

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Color

**XYZ(69.6929, 86.9833,
105.2117)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFFC
RGB	169, 255, 252
RGB Percent	66%, 100%, 99%
CMY	0.3372, 0.0000, 0.0118
CMYK	0.34, 0.00, 0.01, 0.00
HSL	178°, 100%, 83%
HSV	178°, 34%, 100%
XYZ	69.6929, 86.9833, 105.2117
YIQ	228.9440, -50.2930, -19.1650

Conversions

Conversions Part 2

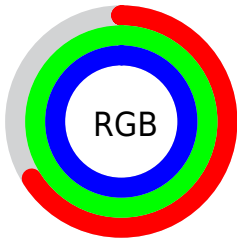
Format	Color
RYB	169, 213, 255
Decimal	11141116
CIELab	94.73, -26.42, -6.81
CIELCh	95, 27.281, 194.456
Yxy	86.9833, 0.2661, 0.3321
Android (android.graphics.Color)	4289331196 (0xFFA9FFFC)
YUV	228.9440, 11.3666, -52.5709
Hunter-Lab	93.2648, -29.8279, -1.5994

Details

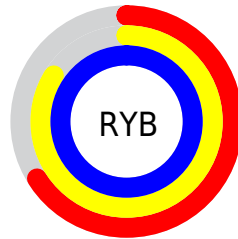
The XYZ color **69.6929, 86.9833, 105.2117** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.8753, 52.6160, 45.8728**, and the grayscale version is **74.3807, 78.2543, 85.2189**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **36.8545, 47.8390, 58.9212** is the 20% darker color. If you saturate the color by 10%, you get **64.6055, 84.3769, 104.2413**, and if you desaturate by 10%, it is **75.8499, 90.1410, 106.2386**.

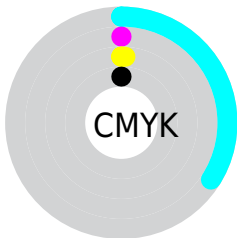
Distribution



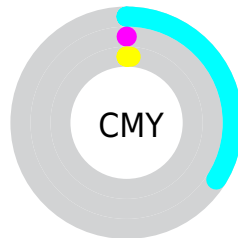
- Red (66%)
- Green (100%)
- Blue (99%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.6929, 86.9833, 105.2117 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 69.6929, 86.9833, 105.2117 by changing the saturation by 10% instead.


 69.6929, 86.9833,
105.2117

 69.6929, 86.9833,
105.2117


448.7542,
518.1680, 598.1645

 51.5549, 65.4814,
80.0191


 117.7994,
143.1409, 170.4151

 36.8733, 47.8515,
59.2078


148.4985,
178.5653, 211.2630

 25.2826, 33.7093,
42.3593


184.1155,
219.3994, 258.1663

 16.4176, 22.6704,
29.0551

225.0156,
266.0275, 311.5438

 9.9128, 14.3503,
18.8765

271.5641,
318.8340, 371.8137

 5.4030, 8.3647,
11.4052

324.1265,

 2.5228, 4.3292,

378.2033, 439.3948

6.2225

383.0681,
444.5198, 514.7056

■ 0.9068, 1.8594,
2.9099

■ 0.0000, 0.5238,
1.0488

■ 69.6929, 86.9833,
105.2117

■ 69.6929, 86.9833,
105.2117

■ 64.6055, 84.3769,
104.2413

■ 75.8499, 90.1410,
106.2386

■ 60.5222, 82.2880,
103.3198

■ 83.1305, 93.8779,
107.3200

■ 57.3753, 80.6818,
102.4455

■ 91.5890, 98.2219,
108.4600

■ 55.0875, 79.5184,
101.6150

95.0500, 100.0000,
108.9000

■ 53.5692, 78.7517,
100.8238

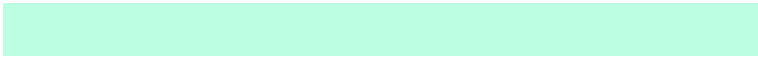
■ 52.7110, 78.3251,
100.0669

■ 52.4114, 78.1805,
99.6049

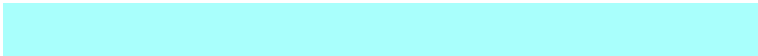
Harmonies

Analogous

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



69.7551, 86.9833, 84.2413



69.6929, 86.9833, 105.2117



72.9631, 86.9833, 126.0865

Triad

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



69.6929, 86.9833, 105.2117



93.0067, 86.9833, 126.7470



86.5325, 86.9833, 60.7317

Complementary

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



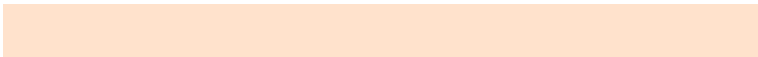
69.6929, 86.9833, 105.2117



62.8753, 52.6160, 45.8728

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.



93.2127, 86.9833, 69.0252



69.6929, 86.9833, 105.2117



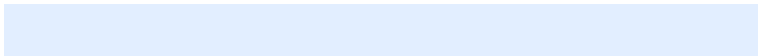
97.0993, 86.9833, 106.0120

Square

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



69.6929, 86.9833, 105.2117



86.2649, 86.9833, 139.7169



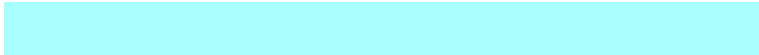
97.1768, 86.9833, 84.9315



79.1861, 86.9833, 60.5836

Rectangle

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



69.6929, 86.9833, 105.2117



76.7114, 86.9833, 136.2688



97.1768, 86.9833, 84.9315



88.9399, 86.9833, 62.5973

Sweetspot

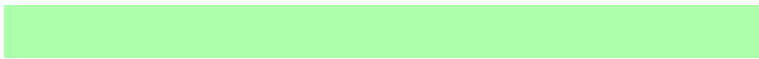
The Sweet Spot groups the original color and five complimentary colors.



69.6940, 86.9838, 105.2132



86.1401, 95.4233, 107.7376



60.2226, 83.3036, 50.4432



18.1903, 20.2975, 23.0263



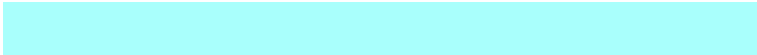
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

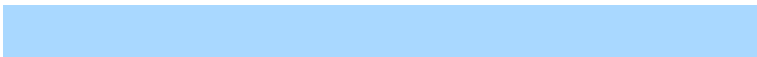
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6940, 86.9838, 105.2132



66.3795, 85.2854, 104.5971



59.0463, 64.9219, 104.0269



18.5259, 20.4699, 23.0723



27.3983, 40.8559, 52.1099



2.6759, 3.9813, 5.1172

Inverse Universe

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



62.8753, 52.6160, 45.8728



58.6792, 46.4617, 37.5753



70.8851, 69.0913, 47.1379



18.0350, 17.9973, 18.8017



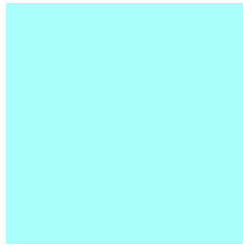
21.5853, 11.1234, 1.2008



2.1103, 1.0865, 0.1623

Previews

White Background



This preview shows how the XYZ color 69.6929, 86.9833, 105.2117 looks on a white background.

Color Contrast Check

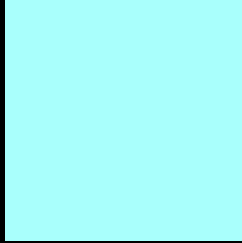
Large Text (above 18pt) WCAG AA × Fail

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 69.6929, 86.9833, 105.2117 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 69.6929, 86.9833, 105.2117

Background



This preview shows how black text looks on a background with the XYZ color 69.6929, 86.9833, 105.2117.

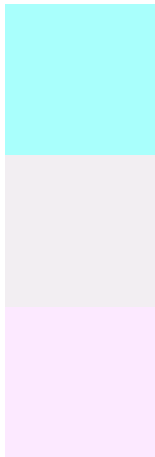


This preview shows how white text looks on a background with the XYZ color 69.6929, 86.9833,

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

69.6929, 86.9833, 105.2117

Protanopia

83.2195, 86.4371, 96.3023

Deuteranopia

87.3338, 86.1933, 106.6417



Tritanopia

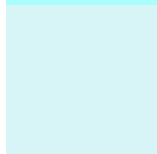
77.8538, 86.5219, 107.2048

Trichromacy



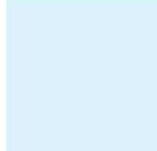
Original Color

69.6929, 86.9833, 105.2117



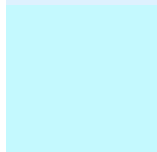
Protanomaly

77.0096, 85.8023, 99.6914



Deuteranomaly

79.4689, 85.5959, 106.0991



Tritanomaly

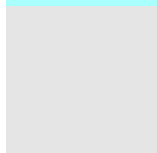
74.5300, 86.6429, 106.5615

Monochromacy



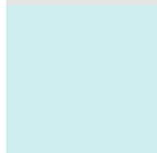
Original Color

69.6929, 86.9833, 105.2117



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.5927, 80.5289, 91.8911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6929, 86.9833, 105.2117 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(169, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 252)  
}
```

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(169, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 252) }
```

Border

The CSS property to change the border of an element to XYZ 69.6929, 86.9833, 105.2117 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(169, 255, 252) }
```


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

```
.border{ border-color:rgb(169, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6929, 86.9833, 105.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 252) }
```

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

```
.background{ background-color: rgb(169,  
255, 252) }
```

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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