

Converting Colors

XYZ(71.4422, 87.2729,
116.1222)

Have a look what the booklet for
XYZ(71.4422, 87.2729, 116.1222)
contains.

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Color

**XYZ(69.8540, 86.5386,
107.6297)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FEFF
RGB	169, 254, 255
RGB Percent	66%, 100%, 100%
CMY	0.3372, 0.0039, 0.0000
CMYK	0.34, 0.00, 0.00, 0.00
HSL	181°, 100%, 83%
HSV	181°, 34%, 100%
XYZ	69.8540, 86.5386, 107.6297
YIQ	228.6990, -50.9810, -17.7090

Conversions

Conversions Part 2

Format	Color
R _Y B	169, 212, 255
Decimal	11140863
CIE Lab	94.54, -25.26, -8.64
CIE LCh	95, 26.692, 198.885
Yxy	86.5386, 0.2646, 0.3278
Android (android.graphics.Color)	4289330943 (0xFFA9FEFF)
YUV	228.6990, 12.9664, -52.3560
Hunter-Lab	93.0261, -28.7588, -3.4793

Details

The XYZ color **69.8540, 86.5386, 107.6297** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.7764, 52.8740, 44.4351**, and the grayscale version is **74.1916, 78.0553, 85.0022**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **36.9693, 47.5204, 60.6500** is the 20% darker color. If you saturate the color by 10%, you get **64.8148, 83.8040, 107.3674**, and if you desaturate by 10%, it is **75.9647, 89.8301, 107.9429**.

Distribution



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



- Red (66%)
- Yellow (83%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8540, 86.5386, 107.6297 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 69.8540, 86.5386, 107.6297 by changing the saturation by 10% instead.

69.8540, 86.5386,
107.6297

69.8540, 86.5386,
107.6297

449.3116,
516.7055, 605.8413

51.6867, 65.1134,
82.0352

118.0279,
142.5209, 173.7463

36.9787, 47.5531,
60.8586

148.7653,
177.8467, 215.1055

25.3646, 33.4731,
43.6812

184.4233,
218.5750, 262.5567

16.4791, 22.4891,
30.0846

225.3674,
265.0900, 316.5184

9.9568, 14.2167,
19.6502

271.9629,
317.7762, 377.4091

5.4323, 8.2716,
11.9595

324.5752,

2.5404, 4.2692,

377.0179, 445.6475

6.5939

383.5697,
443.1995, 521.6521

■ 0.9157, 1.8253,
3.1349

■ 0.0000, 0.5028,
1.1639

■ 69.8540, 86.5386,
107.6297

■ 69.8540, 86.5386,
107.6297

■ 64.8148, 83.8040,
107.3674

■ 75.9647, 89.8301,
107.9429

■ 60.7779, 81.5841,
107.1517

■ 83.1973, 93.6980,
108.3083

■ 57.6770, 79.8470,
106.9799

■ 91.6072, 98.1731,
108.7288

■ 55.4347, 78.5527,
106.8482

95.0500, 100.0000,
108.9000

■ 53.9613, 77.6551,
106.7526

■ 53.1475, 77.0976,
106.6879

■ 52.8755, 76.8710,
106.6585

Harmonies

Analogous

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



69.4201, 86.5386, 86.7983



69.8540, 86.5386, 107.6297



73.4932, 86.5386, 127.3103

Triad

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



69.8540, 86.5386, 107.6297



93.1127, 86.5386, 122.7296



84.9460, 86.5386, 60.4729

Complementary

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



69.8540, 86.5386, 107.6297



62.7764, 52.8740, 44.4351

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.



91.6812, 86.5386, 67.4357



69.8540, 86.5386, 107.6297



96.5759, 86.5386, 102.0655

Square

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



69.8540, 86.5386, 107.6297



86.8083, 86.5386, 136.8671



96.0372, 86.5386, 81.9837



77.8586, 86.5386, 61.5119

Rectangle

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



69.8540, 86.5386, 107.6297



77.3725, 86.5386, 136.1926



96.0372, 86.5386, 81.9837



87.3332, 86.5386, 61.9092

Sweetspot

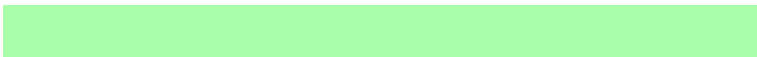
The Sweet Spot groups the original color and five complimentary colors.



69.8563, 86.5419, 107.6302



86.1888, 95.2922, 108.4583



59.2848, 82.8202, 50.3993



18.2022, 20.2655, 23.2022



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

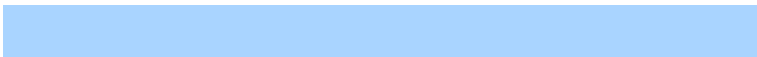
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8563, 86.5419, 107.6302



66.5713, 84.7612, 107.4596



57.9570, 62.7434, 103.6638



18.5358, 20.4432, 23.2189



27.6369, 40.1833, 55.7341



2.6965, 3.9237, 5.4285

Inverse Universe

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



73.3188, 56.7934, 100.8676



70.4917, 51.1866, 99.7789



71.9458, 71.2127, 47.4915



18.7831, 18.2966, 22.7409



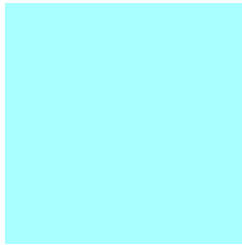
30.7380, 14.7845, 49.3983



2.9957, 1.4406, 4.8246

Previews

White Background



This preview shows how the XYZ color 69.8540, 86.5386, 107.6297 looks on a white background.

Color Contrast Check

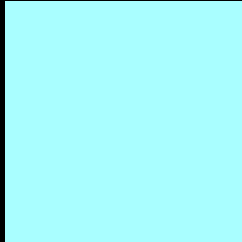
Large Text (above 18pt) WCAG AA × Fail

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 69.8540, 86.5386, 107.6297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

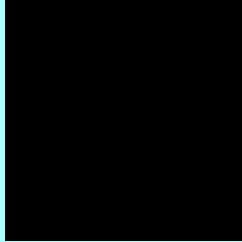
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8540, 86.5386, 107.6297

Background



This preview shows how black text looks on a background with the XYZ color 69.8540, 86.5386, 107.6297.

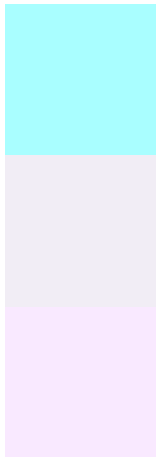


This preview shows how white text looks on a background with the XYZ color 69.8540, 86.5386,

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

69.8540, 86.5386, 107.6297

Protanopia

83.0412, 85.8617, 98.5824

Deuteranopia

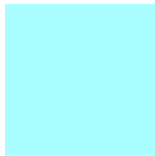
86.2558, 85.6376, 106.5913



Tritanopia

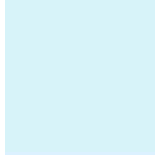
77.2807, 86.2265, 107.1780

Trichromacy



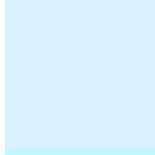
Original Color

69.8540, 86.5386, 107.6297



Protanomaly

77.1738, 85.3878, 102.0365



Deuteranomaly

79.0205, 85.3462, 106.9164



Tritanomaly

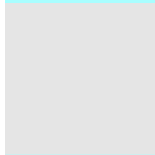
74.1231, 85.9569, 107.2924

Monochromacy



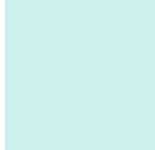
Original Color

69.8540, 86.5386, 107.6297



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7393, 80.5875, 92.6628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8540, 86.5386, 107.6297 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 254, 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(169, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8540, 86.5386, 107.6297 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, 254, 255) }
```


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

```
.border{ border-color:rgb(169, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(169, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8540, 86.5386, 107.6297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 254, 255) }
```

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

```
.background{ background-color: rgb(169,  
254, 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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