

Converting Colors

XYZ(69.0497, 85.9874,
107.5657)

Have a look what the booklet for
XYZ(69.0497, 85.9874, 107.5657)
contains.

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Color

**XYZ(69.2177, 86.2106,
107.5999)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FEFF
RGB	166, 254, 255
RGB Percent	65%, 100%, 100%
CMY	0.3490, 0.0039, 0.0000
CMYK	0.35, 0.00, 0.00, 0.00
HSL	181°, 100%, 83%
HSV	181°, 35%, 100%
XYZ	69.2177, 86.2106, 107.5999
YIQ	227.8020, -52.7690, -18.3450

Conversions

Conversions Part 2

Format	Color
RYB	166, 210, 255
Decimal	10944255
CIELab	94.40, -26.03, -8.86
CIELCh	94, 27.495, 198.804
Yxy	86.2106, 0.2632, 0.3278
Android (android.graphics.Color)	4289134335 (0xFFA6FEFF)
YUV	227.8020, 13.4086, -54.2004
Hunter-Lab	92.8497, -29.4185, -3.7141

Details

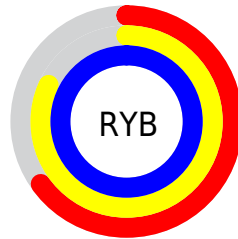
The XYZ color **69.2177, 86.2106, 107.5999** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.9419, 51.6506, 42.7832**, and the grayscale version is **73.5328, 77.3623, 84.2475**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **36.4660, 47.2609, 60.6264** is the 20% darker color. If you saturate the color by 10%, you get **64.3031, 83.5449, 107.3444**, and if you desaturate by 10%, it is **75.1967, 89.4295, 107.9061**.

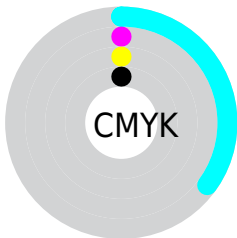
Distribution



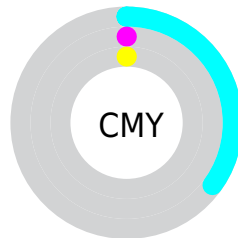
- Red (65%)
- Green (100%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2177, 86.2106, 107.5999 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 69.2177, 86.2106, 107.5999 by changing the saturation by 10% instead.

69.2177, 86.2106,
107.5999

69.2177, 86.2106,
107.5999

447.1078,
515.6254, 605.7470

51.1663, 64.8421,
82.0104

117.1248,
142.0633, 173.7053

36.5626, 47.3331,
60.8382

147.7113,
177.3164, 215.0582

25.0411, 33.2990,
43.6649

183.2068,
217.9665, 262.5026

16.2366, 22.3556,
30.0719

223.9767,
264.3979, 316.4572

9.7836, 14.1184,
19.6407

270.3864,
316.9951, 377.3404

5.3169, 8.2031,
11.9526

322.8013,

2.4710, 4.2252,

376.1425, 445.5707

6.5893

381.5866,
442.2245, 521.5667

0.8807, 1.8003,
3.1321

0.0000, 0.4874,
1.1625

69.2177, 86.2106,
107.5999

69.2177, 86.2106,
107.5999

64.3031, 83.5449,
107.3444

75.1967, 89.4295,
107.9061

60.3832, 81.3900,
107.1351

82.2910, 93.2215,
108.2641

57.3906, 79.7134,
106.9692

90.5566, 97.6174,
108.6769

55.2468, 78.4746,
106.8430

95.0500, 100.0000,
108.9000

■ 53.8603, 77.6263,
106.7524

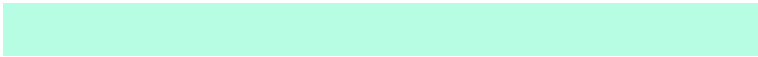
■ 53.1186, 77.1106,
106.6919

■ 52.9068, 76.9336,
106.6689

Harmonies

Analogous

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



68.7827, 86.2106, 86.1903



69.2177, 86.2106, 107.5999



72.9375, 86.2106, 127.9230

Triad

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



69.2177, 86.2106, 107.5999



93.0991, 86.2106, 123.2889



84.7293, 86.2106, 59.3536

Complementary

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



69.2177, 86.2106, 107.5999



61.9419, 51.6506, 42.7832

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.



91.6556, 86.2106, 66.4676



69.2177, 86.2106, 107.5999



96.6778, 86.2106, 101.9900

Square

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



69.2177, 86.2106, 107.5999



86.6045, 86.2106, 137.8785



96.1342, 86.2106, 81.3584



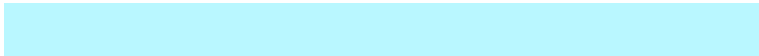
77.4472, 86.2106, 60.3887

Rectangle

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



69.2177, 86.2106, 107.5999



76.9120, 86.2106, 137.1296



96.1342, 86.2106, 81.3584



87.1838, 86.2106, 60.8224

Sweetspot

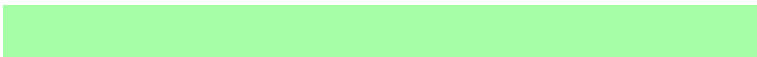
The Sweet Spot groups the original color and five complimentary colors.



69.2200, 86.2139, 107.6004



86.1920, 95.2985, 108.4594



58.3700, 82.3807, 48.9030



18.2029, 20.2671, 23.2025



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

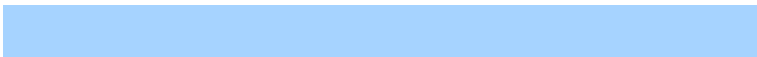
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2200, 86.2139, 107.6004



65.6237, 84.2646, 107.4137



56.9475, 61.6689, 103.5096



18.5365, 20.4445, 23.2192



27.6529, 40.2154, 55.7395



2.6979, 3.9264, 5.4290

Inverse Universe

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



72.7671, 55.6899, 100.6837



69.6719, 49.5515, 99.4921



71.2940, 70.3548, 45.9005



18.7834, 18.2967, 22.7426



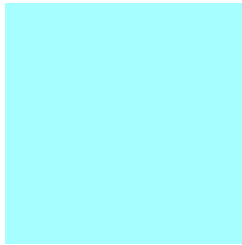
30.7461, 14.7877, 49.4410



2.9964, 1.4409, 4.8282

Previews

White Background



This preview shows how the XYZ color 69.2177, 86.2106, 107.5999 looks on a white background.

Color Contrast Check

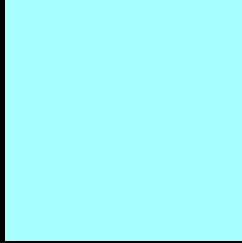
Large Text (above 18pt) WCAG AA × Fail

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 69.2177, 86.2106, 107.5999 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 69.2177, 86.2106, 107.5999

Background



This preview shows how black text looks on a background with the XYZ color 69.2177, 86.2106, 107.5999.

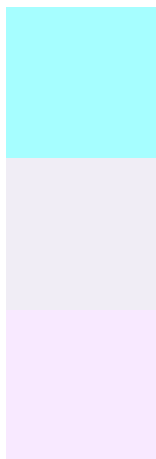


This preview shows how white text looks on a background with the XYZ color 69.2177, 86.2106,

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

69.2177, 86.2106, 107.5999

Protanopia

82.7008, 85.6862, 98.5665

Deuteranopia

85.9003, 85.4543, 106.5746



Tritanopia

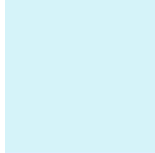
76.7148, 85.9347, 107.1515

Trichromacy



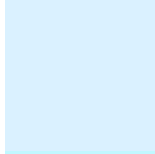
Original Color

69.2177, 86.2106, 107.5999



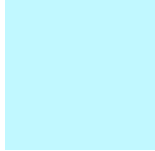
Protanomaly

76.5900, 85.0869, 102.0092



Deuteranomaly

78.4187, 85.0360, 106.8882



Tritanomaly

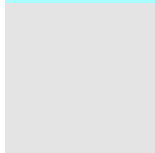
73.6097, 85.6923, 107.2684

Monochromacy



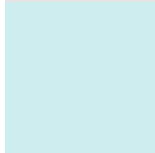
Original Color

69.2177, 86.2106, 107.5999



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.8936, 79.7206, 92.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2177, 86.2106, 107.5999 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(166, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.2177, 86.2106, 107.5999 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(166, 254, 255) }
```


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

```
.border{ border-color:rgb(166, 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(166, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2177, 86.2106, 107.5999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 254, 255) }
```

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

```
.background{ background-color: rgb(166,  
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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