

Converting Colors

XYZ(67.7926, 82.5829,
106.9748)

Have a look what the booklet for
XYZ(67.7926, 82.5829, 106.9748)
contains.

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Color

**XYZ(67.7659, 82.6796,
106.9949)**

Conversions

Conversions Part 1

Format	Color
Hex	A8F8FF
RGB	168, 248, 255
RGB Percent	66%, 97%, 100%
CMY	0.3412, 0.0274, 0.0000
CMYK	0.34, 0.03, 0.00, 0.00
HSL	185°, 100%, 83%
HSV	185°, 34%, 100%
XYZ	67.7659, 82.6796, 106.9949
YIQ	224.8780, -49.9270, -14.7830

Conversions

Conversions Part 2

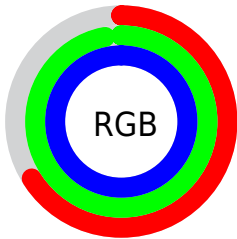
Format	Color
RYB	168, 210, 255
Decimal	11073791
CIELab	92.87, -22.61, -11.12
CIELCh	93, 25.195, 206.199
Yxy	82.6796, 0.2632, 0.3212
Android (android.graphics.Color)	4289263871 (0xFFA8F8FF)
YUV	224.8780, 14.8501, -49.8820
Hunter-Lab	90.9283, -26.0944, -6.1164

Details

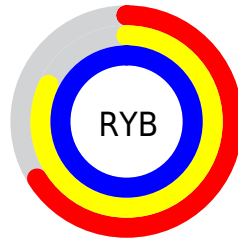
The XYZ color **67.7659, 82.6796, 106.9949** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.6382, 54.7472, 44.2610**, and the grayscale version is **71.4047, 75.1233, 81.8093**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **35.5059, 44.7836, 60.1988** is the 20% darker color. If you saturate the color by 10%, you get **62.2338, 78.8989, 106.5567**, and if you desaturate by 10%, it is **74.3738, 87.0292, 107.4861**.

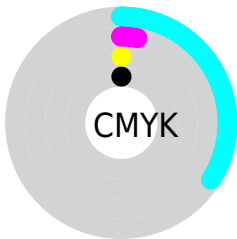
Distribution



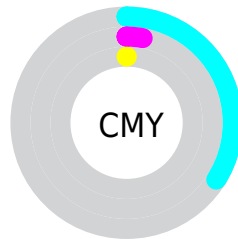
- Red (66%)
- Green (97%)
- Blue (100%)



- Red (66%)
- Yellow (82%)
- Blue (100%)



- Cyan (34%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7659, 82.6796, 106.9949 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 67.7659, 82.6796, 106.9949 by changing the saturation by 10% instead.

67.7659, 82.6796,
106.9949

67.7659, 82.6796,
106.9949

442.0559,
503.9181, 603.8309

49.9803, 61.9259,
81.5056

115.0609,
137.1266, 172.8725

35.6155, 44.9728,
60.4247

145.3011,
171.5887, 214.0979

24.3061, 31.4360,
43.3335

180.4234,
211.3890, 261.4057

15.6868, 20.9311,
29.8135

220.7933,
256.9120, 315.2146

9.3922, 13.0736,
19.4463

266.7762,
308.5420, 375.9430

5.0570, 7.4793,
11.8131

318.7373,

2.3159, 3.7636,

366.6634, 444.0095

6.4956

377.0421,
431.6606, 519.8326

■ 0.8028, 1.5422,
3.0751

■ 0.0000, 0.3182,
1.1331

■ 67.7659, 82.6796,
106.9949

■ 67.7659, 82.6796,
106.9949

■ 62.2338, 78.8989,
106.5567

■ 74.3738, 87.0292,
107.4861

■ 57.7083, 75.6453,
106.1672

■ 82.1082, 91.9678,
108.0317

■ 54.1226, 72.8865,
105.8237

■ 91.0248, 97.5261,
108.6346

■ 51.3989, 70.5821,
105.5224

95.0500, 100.0000,
108.9000

■ 49.4471, 68.6858,
105.2593

■ 48.1565, 67.1405,
105.0290

■ 47.6138, 66.3476,
104.9046

Harmonies

Analogous

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



66.6196, 82.6796, 87.6424



67.7659, 82.6796, 106.9949



71.7514, 82.6796, 123.6309

Triad

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



67.7659, 82.6796, 106.9949



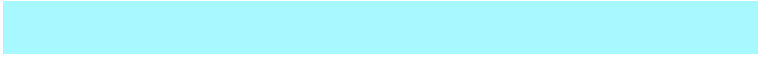
89.5785, 82.6796, 111.7331



79.4265, 82.6796, 58.4822

Complementary

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



67.7659, 82.6796, 106.9949



63.6382, 54.7472, 44.2610

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.



85.8382, 82.6796, 63.1365



67.7659, 82.6796, 106.9949



91.9025, 82.6796, 92.4484

Square

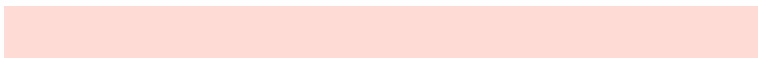
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7659, 82.6796, 106.9949



84.3060, 82.6796, 126.6236



90.4972, 82.6796, 74.9498



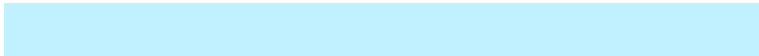
73.1278, 82.6796, 61.2586

Rectangle

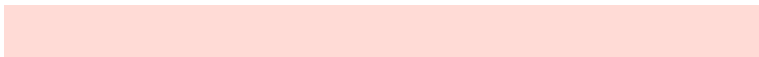
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7659, 82.6796, 106.9949



75.6036, 82.6796, 130.0148



90.4972, 82.6796, 74.9498



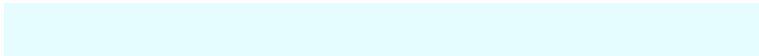
81.6427, 82.6796, 59.2104

Sweetspot

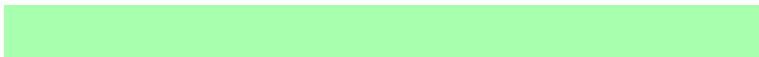
The Sweet Spot groups the original color and five complimentary colors.



67.7681, 82.6828, 106.9954



85.6322, 94.1790, 108.2728



59.5302, 82.8936, 52.8068



18.0664, 19.9940, 23.1570



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.



67.7681, 82.6828, 106.9954



63.8470, 80.0195, 106.6880



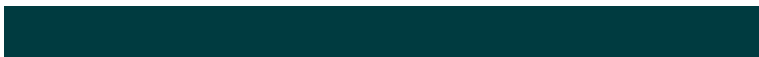
56.1991, 59.5448, 103.1390



18.4225, 20.2167, 23.1812



24.9315, 34.7727, 54.8323



2.4630, 3.4567, 5.3507

Inverse Universe

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



72.1874, 56.0444, 95.8234



68.9440, 49.9069, 93.6658



73.1990, 73.8688, 47.4480



18.7259, 18.2737, 22.4399



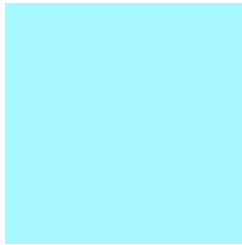
29.3725, 14.2383, 42.2075



2.8778, 1.3935, 4.2040

Previews

White Background



This preview shows how the XYZ color 67.7659, 82.6796, 106.9949 looks on a white background.

Color Contrast Check

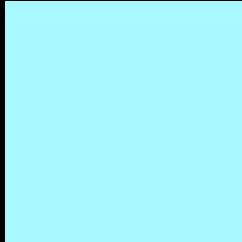
Large Text (above 18pt) WCAG AA × Fail

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 67.7659, 82.6796, 106.9949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

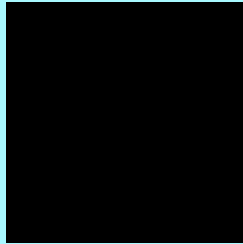
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7659, 82.6796, 106.9949

Background



This preview shows how black text looks on a background with the XYZ color 67.7659, 82.6796, 106.9949.

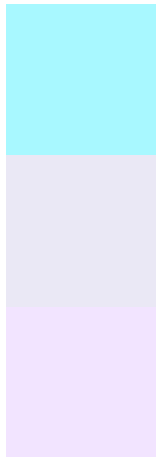


This preview shows how white text looks on a background with the XYZ color 67.7659, 82.6796,

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

67.7659, 82.6796, 106.9949

Protanopia

79.2697, 81.7982, 97.9969

Deuteranopia

82.4114, 81.5841, 106.0115



Tritanopia

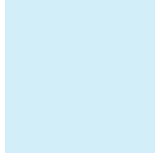
72.5671, 82.4600, 106.6994

Trichromacy



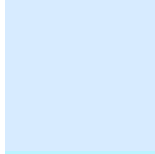
Original Color

67.7659, 82.6796, 106.9949



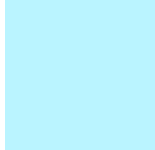
Protanomaly

74.2518, 81.6903, 101.4768



Deuteranomaly

75.7827, 81.0837, 106.2643



Tritanomaly

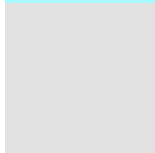
70.6504, 82.3605, 106.7812

Monochromacy



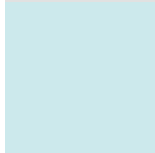
Original Color

67.7659, 82.6796, 106.9949



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.1811, 77.1713, 90.6062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7659, 82.6796, 106.9949 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(168, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 248, 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(168, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7659, 82.6796, 106.9949 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(168, 248, 255) }
```


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

```
.border{ border-color:rgb(168, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7659, 82.6796, 106.9949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 248, 255) }
```

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

```
.background{ background-color: rgb(168,  
248, 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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