

Converting Colors

XYZ(67.8853, 82.1188,
106.0755)

Have a look what the booklet for
XYZ(67.8853, 82.1188, 106.0755)
contains.

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Color

**XYZ(67.9447, 82.3352,
106.0771)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF7FE
RGB	171, 247, 254
RGB Percent	67%, 97%, 100%
CMY	0.3294, 0.0314, 0.0039
CMYK	0.33, 0.03, 0.00, 0.00
HSL	185°, 98%, 83%
HSV	185°, 33%, 100%
XYZ	67.9447, 82.3352, 106.0771
YIQ	225.0740, -47.5430, -13.9350

Conversions

Conversions Part 2

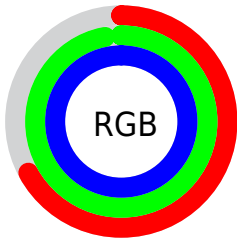
Format	Color
RYB	171, 211, 254
Decimal	11270142
CIELab	92.72, -21.56, -10.81
CIELCh	93, 24.122, 206.636
Yxy	82.3352, 0.2650, 0.3212
Android (android.graphics.Color)	4289460222 (0xFFABF7FE)
YUV	225.0740, 14.2605, -47.4229
Hunter-Lab	90.7387, -25.1329, -5.7952

Details

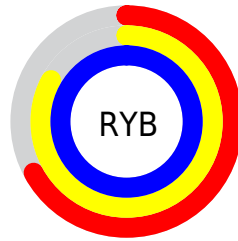
The XYZ color **67.9447, 82.3352, 106.0771** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.1452, 55.8526, 45.9296**, and the grayscale version is **71.5484, 75.2745, 81.9739**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **35.5617, 44.5030, 59.5390** is the 20% darker color. If you saturate the color by 10%, you get **62.2843, 78.4526, 105.6274**, and if you desaturate by 10%, it is **74.6805, 86.7874, 106.5828**.

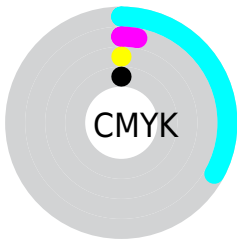
Distribution



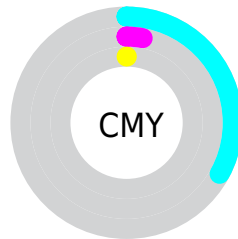
- Red (67%)
- Green (97%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9447, 82.3352, 106.0771 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 67.9447, 82.3352, 106.0771 by changing the saturation by 10% instead.

67.9447, 82.3352,
106.0771

67.9447, 82.3352,
106.0771

442.6799,
502.7682, 600.9179

50.1263, 61.6419,
80.7403

115.3154,
136.6440, 171.6082

35.7319, 44.7434,
59.7980

145.5983,
171.0282, 212.6396

24.3964, 31.2553,
42.8316

180.7668,
210.7448, 259.7396

15.7542, 20.7934,
29.4226

221.1862,
256.1783, 313.3268

9.4402, 12.9730,
19.1524

267.2218,
307.7130, 373.8197

5.0888, 7.4100,
11.6025

319.2391,

2.3347, 3.7198,

365.7333, 441.6368

6.3544

377.6033,
430.6236, 517.1967

■ 0.8124, 1.5181,
2.9895

■ 0.0000, 0.3014,
1.0893

■ 67.9447, 82.3352,
106.0771

■ 67.9447, 82.3352,
106.0771

■ 62.2843, 78.4526,
105.6274

■ 74.6805, 86.7874,
106.5828

■ 57.6310, 75.0983,
105.2252

■ 82.5408, 91.8284,
107.1416

■ 53.9198, 72.2407,
104.8693

■ 91.5801, 97.4886,
107.7577

■ 51.0751, 69.8410,
104.5560

94.8896, 99.9359,
108.0556

■ 49.0097, 67.8539,
104.2813

■ 47.6179, 66.2251,
104.0403

■ 46.9121, 65.2008,
103.8798

Harmonies

Analogous

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



66.8029, 82.3352, 87.6336



67.9447, 82.3352, 106.0771



71.7977, 82.3352, 121.7716

Triad

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



67.9447, 82.3352, 106.0771



88.7900, 82.3352, 110.0609



78.9684, 82.3352, 59.3483

Complementary

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



67.9447, 82.3352, 106.0771



64.1452, 55.8526, 45.9296

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.



85.0929, 82.3352, 63.7395



67.9447, 82.3352, 106.0771



90.9511, 82.3352, 91.6952

Square

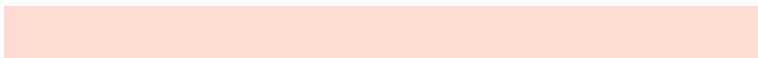
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9447, 82.3352, 106.0771



83.8008, 82.3352, 124.2794



89.5636, 82.3352, 75.0112



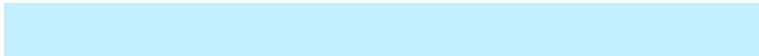
72.9635, 82.3352, 62.1354

Rectangle

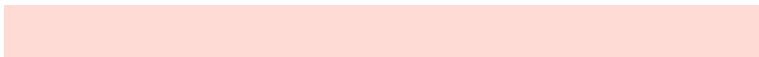
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9447, 82.3352, 106.0771



75.4971, 82.3352, 127.7118



89.5636, 82.3352, 75.0112



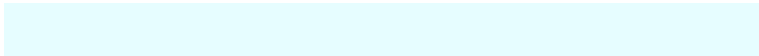
81.0836, 82.3352, 60.0173

Sweetspot

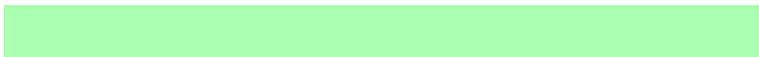
The Sweet Spot groups the original color and five complimentary colors.



67.9471, 82.3385, 106.0790



85.6009, 94.1164, 108.2624



60.2655, 82.7541, 54.8742



18.0588, 19.9788, 23.1544



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.



67.9471, 82.3385, 106.0790



64.8168, 80.5300, 106.7354



56.6568, 59.7577, 102.3155



18.4162, 20.2040, 23.1791



24.7862, 34.4819, 54.7839



2.4504, 3.4315, 5.3465

Inverse Universe

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



72.2264, 56.9140, 95.1781



69.7824, 51.5779, 93.9629



73.6656, 74.8935, 49.1031



18.7227, 18.2724, 22.4229



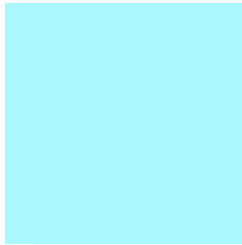
29.2991, 14.2089, 41.8211



2.8714, 1.3910, 4.1704

Previews

White Background



This preview shows how the XYZ color 67.9447, 82.3352, 106.0771 looks on a white background.

Color Contrast Check

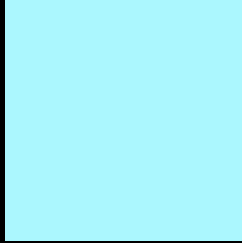
Large Text (above 18pt) WCAG AA × Fail

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 67.9447, 82.3352, 106.0771 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 67.9447, 82.3352, 106.0771

Background



This preview shows how black text looks on a background with the XYZ color 67.9447, 82.3352, 106.0771.

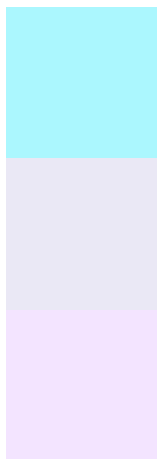


This preview shows how white text looks on a background with the XYZ color 67.9447, 82.3352,

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

67.9447, 82.3352, 106.0771

Protanopia

79.2697, 81.7982, 97.9969

Deuteranopia

82.7556, 81.7615, 106.0276



Tritanopia

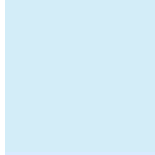
72.2702, 81.8664, 106.6005

Trichromacy



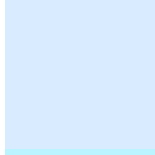
Original Color

67.9447, 82.3352, 106.0771



Protanomaly

74.0914, 81.1946, 100.5740



Deuteranomaly

76.3736, 81.3884, 106.2919



Tritanomaly

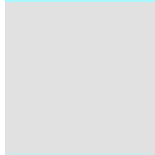
70.5941, 81.8860, 106.6926

Monochromacy



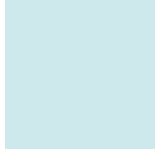
Original Color

67.9447, 82.3352, 106.0771



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.4561, 77.3131, 90.6191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9447, 82.3352, 106.0771 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(171, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(171, 247, 254)  
}
```

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(171, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 247, 254) }
```

Border

The CSS property to change the border of an element to XYZ 67.9447, 82.3352, 106.0771 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(171, 247, 254) }
```


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

```
.border{ border-color:rgb(171, 247, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(171, 247,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9447, 82.3352, 106.0771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 247, 254) }
```

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

```
.background{ background-color: rgb(171,  
247, 254) }
```

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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