

Converting Colors

XYZ(70.0139, 82.9258,
119.4242)

Have a look what the booklet for
XYZ(70.0139, 82.9258, 119.4242)
contains.

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Color

**XYZ(67.6730, 82.1765,
106.9027)**

Conversions

Conversions Part 1

Format	Color
Hex	A9F7FF
RGB	169, 247, 255
RGB Percent	66%, 97%, 100%
CMY	0.3372, 0.0314, 0.0000
CMYK	0.34, 0.03, 0.00, 0.00
HSL	186°, 100%, 83%
HSV	186°, 34%, 100%
XYZ	67.6730, 82.1765, 106.9027
YIQ	224.5900, -49.0560, -14.0480

Conversions

Conversions Part 2

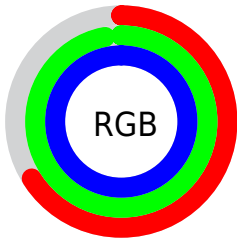
Format	Color
R_{YB}	169, 210, 255
Decimal	11139071
CIE _{Lab}	92.65, -21.86, -11.45
CIE _{LCh}	93, 24.674, 207.644
Yxy	82.1765, 0.2636, 0.3201
Android (android.graphics.Color)	4289329151 (0xFFA9F7FF)
YUV	224.5900, 14.9921, -48.7524
Hunter-Lab	90.6513, -25.3858, -6.4633

Details

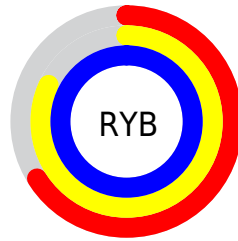
The XYZ color **67.6730, 82.1765, 106.9027** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.1240, 55.5690, 44.8844**, and the grayscale version is **71.1968, 74.9046, 81.5711**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **35.4166, 44.4148, 60.1324** is the 20% darker color. If you saturate the color by 10%, you get **62.0068, 78.1879, 106.4314**, and if you desaturate by 10%, it is **74.4196, 86.7397, 107.4279**.

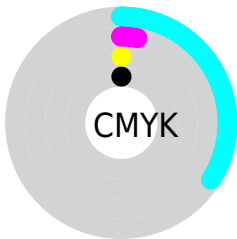
Distribution



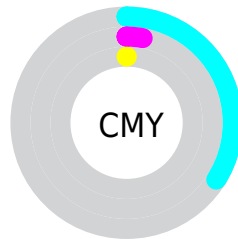
- Red (66%)
- Green (97%)
- Blue (100%)



- 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 67.6730, 82.1765, 106.9027 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 67.6730, 82.1765, 106.9027 by changing the saturation by 10% instead.

67.6730, 82.1765,
106.9027

67.6730, 82.1765,
106.9027

441.7315,
502.2379, 603.5386

49.9045, 61.5110,
81.4287

114.9287,
136.4215, 172.7455

35.5550, 44.6377,
60.3617

145.1466,
170.7698, 213.9514

24.2592, 31.1722,
43.2830

180.2449,
210.4478, 261.2385

15.6518, 20.7300,
29.7742

220.5891,
255.8400, 315.0251

9.3674, 12.9268,
19.4167

266.5445,
307.3307, 375.7299

5.0406, 7.3781,
11.7919

318.4765,

2.3061, 3.6997,

365.3043, 443.7713

6.4813

376.7504,
430.1452, 519.5681

■ 0.7978, 1.5070,
3.0664

■ 0.0000, 0.2937,
1.1286

■ 67.6730, 82.1765,
106.9027

■ 67.6730, 82.1765,
106.9027

■ 62.0068, 78.1879,
106.4314

■ 74.4196, 86.7397,
107.4279

■ 57.3521, 74.7325,
106.0098

■ 82.2972, 91.8978,
108.0083

■ 53.6423, 71.7777,
105.6350

■ 91.3613, 97.6813,
108.6469

■ 50.8002, 69.2837,
105.3034

■ 95.0500, 100.0000,
108.9000

■ 48.7359, 67.2042,
105.0108

■ 47.3401, 65.4828,
104.7521

■ 46.7073, 64.5347,
104.6024

Harmonies

Analogous

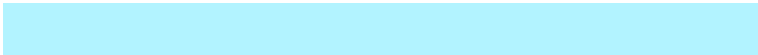
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.4097, 82.1765, 88.0305



67.6730, 82.1765, 106.9027



71.6840, 82.1765, 122.7878

Triad

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



67.6730, 82.1765, 106.9027



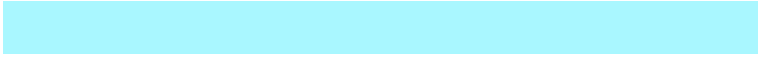
89.0055, 82.1765, 109.7627



78.6150, 82.1765, 58.5961

Complementary

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



67.6730, 82.1765, 106.9027



64.1240, 55.5690, 44.8844

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.



84.9011, 82.1765, 62.8103



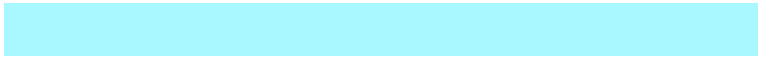
67.6730, 82.1765, 106.9027



91.1014, 82.1765, 90.9377

Square

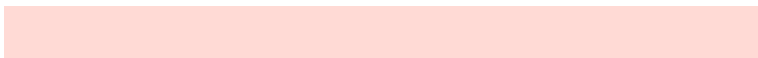
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6730, 82.1765, 106.9027



83.9751, 82.1765, 124.5917



89.5603, 82.1765, 74.0546



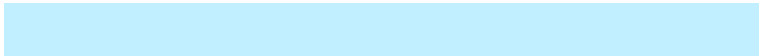
72.5175, 82.1765, 61.6692

Rectangle

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



67.6730, 82.1765, 106.9027



75.4943, 82.1765, 128.6460



89.5603, 82.1765, 74.0546



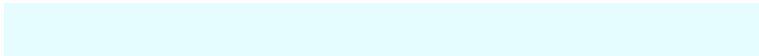
80.7779, 82.1765, 59.1932

Sweetspot

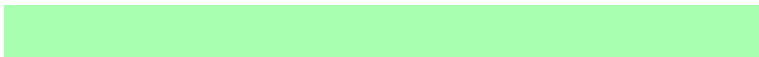
The Sweet Spot groups the original color and five complimentary colors.



67.6752, 82.1796, 106.9031



85.5312, 93.9770, 108.2391



59.9765, 83.0968, 54.0410



18.0418, 19.9448, 23.1488



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.



67.6752, 82.1796, 106.9031



63.9957, 79.6099, 106.6011



56.2052, 59.2396, 103.0798



18.4020, 20.1756, 23.1743



24.4650, 33.8396, 54.6768



2.4224, 3.3756, 5.3371

Inverse Universe

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



72.2179, 56.3532, 95.0701



69.1916, 50.6666, 92.9328



73.7773, 74.8757, 48.1022



18.7155, 18.2695, 22.3852



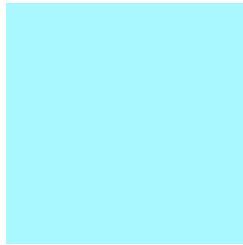
29.1370, 14.1441, 40.9674



2.8573, 1.3853, 4.0962

Previews

White Background



This preview shows how the XYZ color 67.6730, 82.1765, 106.9027 looks on a white background.

Color Contrast Check

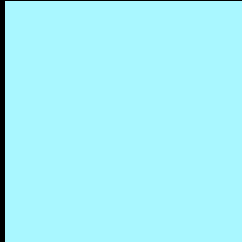
Large Text (above 18pt) WCAG AA × Fail

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 67.6730, 82.1765, 106.9027 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 67.6730, 82.1765, 106.9027

Background



This preview shows how black text looks on a background with the XYZ color 67.6730, 82.1765, 106.9027.

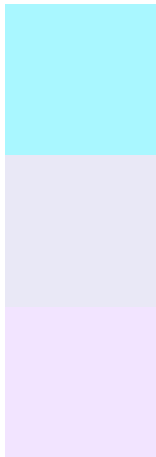


This preview shows how white text looks on a background with the XYZ color 67.6730, 82.1765,

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

67.6730, 82.1765, 106.9027

Protanopia

79.0954, 81.6907, 98.7879

Deuteranopia

82.4114, 81.5841, 106.0115



Tritanopia

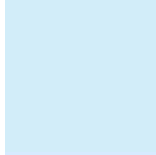
72.0110, 81.7327, 106.5883

Trichromacy



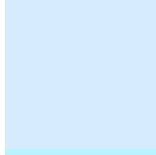
Original Color

67.6730, 82.1765, 106.9027



Protanomaly

73.9614, 81.1096, 101.3801



Deuteranomaly

75.7827, 81.0837, 106.2643



Tritanomaly

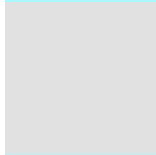
70.3503, 81.7603, 106.6812

Monochromacy



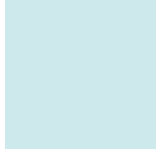
Original Color

67.6730, 82.1765, 106.9027



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 67.6730, 82.1765, 106.9027 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 247, 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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.6730, 82.1765, 106.9027 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, 247, 255) }
```


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

```
.border{ border-color:rgb(169, 247, 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, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6730, 82.1765, 106.9027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 247, 255) }
```

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

```
.background{ background-color: rgb(169,  
247, 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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