

Converting Colors

XYZ(68.2898, 82.8161,
106.9936)

Have a look what the booklet for
XYZ(68.2898, 82.8161, 106.9936)
contains.

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Color

**XYZ(68.4120, 83.0127,
107.0251)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF8FF
RGB	171, 248, 255
RGB Percent	67%, 97%, 100%
CMY	0.3294, 0.0274, 0.0000
CMYK	0.33, 0.03, 0.00, 0.00
HSL	185°, 100%, 84%
HSV	185°, 33%, 100%
XYZ	68.4120, 83.0127, 107.0251
YIQ	225.7750, -48.1390, -14.1470

Conversions

Conversions Part 2

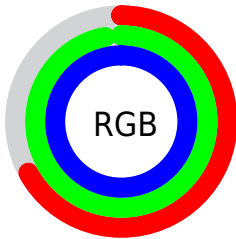
Format	Color
RYB	171, 211, 255
Decimal	11270399
CIELab	93.02, -21.82, -10.89
CIELCh	93, 24.388, 206.523
Yxy	83.0127, 0.2647, 0.3212
Android (android.graphics.Color)	4289460479 (0xFFABF8FF)
YUV	225.7750, 14.4079, -48.0377
Hunter-Lab	91.1113, -25.4160, -5.8679

Details

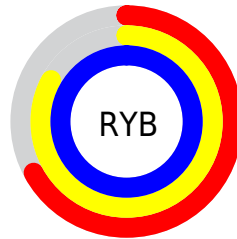
The XYZ color **68.4120, 83.0127, 107.0251** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.5114, 56.0410, 45.9469**, and the grayscale version is **72.0523, 75.8046, 82.5512**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **35.8941, 44.9837, 60.2170** is the 20% darker color. If you saturate the color by 10%, you get **62.7355, 79.1246, 106.5738**, and if you desaturate by 10%, it is **75.1717, 87.4744, 107.5300**.

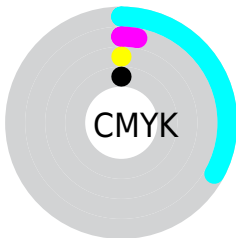
Distribution



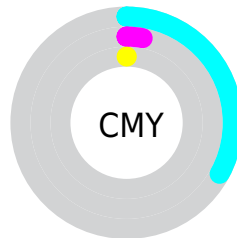
- Red (67%)
- Green (97%)
- Blue (100%)



- 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 68.4120, 83.0127, 107.0251 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 68.4120, 83.0127, 107.0251 by changing the saturation by 10% instead.

68.4120, 83.0127,
107.0251

68.4120, 83.0127,
107.0251

444.3082,
505.0288, 603.9266

50.5079, 62.2006,
81.5308

115.9800,
137.5932, 172.9140

36.0366, 45.1948,
60.4453

146.3746,
172.1305, 214.1458

24.6327, 31.6109,
43.3500

181.6635,
212.0116, 261.4605

15.9309, 21.0645,
29.8264

222.2119,
257.6210, 315.2766

9.5658, 13.1711,
19.4559

268.3852,
309.3430, 376.0128

5.1721, 7.5465,
11.8201

320.5488,

2.3844, 3.8062,

367.5621, 444.0875

6.5002

379.0680,
432.6625, 519.9192

■ 0.8373, 1.5657,
3.0779

■ 0.0000, 0.3343,
1.1345

■ 68.4120, 83.0127,
107.0251

■ 68.4120, 83.0127,
107.0251

■ 62.7355, 79.1246,
106.5738

■ 75.1717, 87.4744,
107.5300

■ 58.0739, 75.7685,
106.1717

■ 83.0650, 92.5294,
108.0897

■ 54.3610, 72.9125,
105.8161

■ 92.1469, 98.2082,
108.7072

■ 51.5204, 70.5171,
105.5035

95.0500, 100.0000,
108.9000

■ 49.4635, 68.5365,
105.2296

■ 48.0829, 66.9154,
104.9895

■ 47.4052, 65.9305,
104.8351

Harmonies

Analogous

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



67.2635, 83.0127, 88.2697



68.4120, 83.0127, 107.0251



72.3171, 83.0127, 123.0223

Triad

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



68.4120, 83.0127, 107.0251



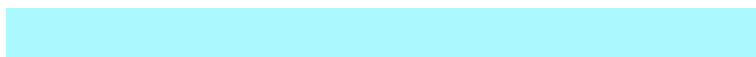
89.5976, 83.0127, 111.2151



79.6485, 83.0127, 59.6213

Complementary

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



68.4120, 83.0127, 107.0251



64.5114, 56.0410, 45.9469

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.



85.8731, 83.0127, 64.1027



68.4120, 83.0127, 107.0251



91.8091, 83.0127, 92.5374

Square

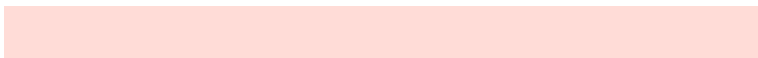
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.4120, 83.0127, 107.0251



84.5149, 83.0127, 125.6616



90.4110, 83.0127, 75.5688



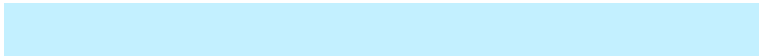
73.5416, 83.0127, 62.4206

Rectangle

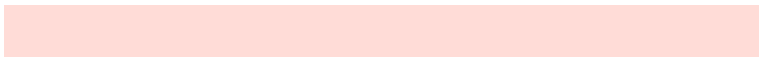
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4120, 83.0127, 107.0251



76.0726, 83.0127, 129.0979



90.4110, 83.0127, 75.5688



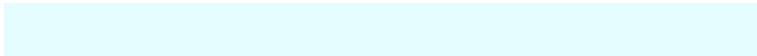
81.7988, 83.0127, 60.3090

Sweetspot

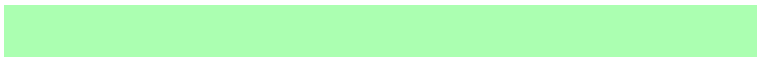
The Sweet Spot groups the original color and five complimentary colors.



68.4142, 83.0159, 107.0256



85.6091, 94.1328, 108.2651



60.4518, 83.3369, 54.2876



18.0608, 19.9828, 23.1551



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.



68.4142, 83.0159, 107.0256



64.2964, 80.2115, 106.7013



57.2558, 60.6992, 103.3061



18.4178, 20.2073, 23.1796



24.8242, 34.5580, 54.7966



2.4537, 3.4381, 5.3476

Inverse Universe

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



72.7476, 57.1649, 96.0102



69.3434, 50.7273, 93.7323



73.8188, 74.6559, 49.0494



18.7236, 18.2727, 22.4274



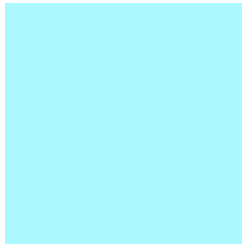
29.3183, 14.2166, 41.9222



2.8731, 1.3916, 4.1792

Previews

White Background



This preview shows how the XYZ color 68.4120, 83.0127, 107.0251 looks on a white background.

Color Contrast Check

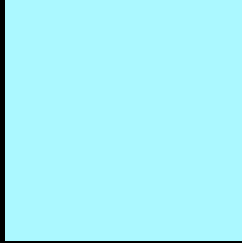
Large Text (above 18pt) WCAG AA × Fail

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 68.4120, 83.0127, 107.0251 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 68.4120, 83.0127, 107.0251

Background



This preview shows how black text looks on a background with the XYZ color 68.4120, 83.0127, 107.0251.

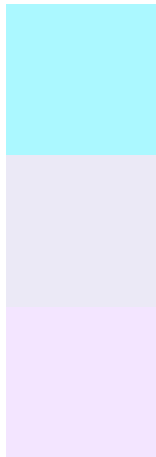


This preview shows how white text looks on a background with the XYZ color 68.4120, 83.0127,

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

68.4120, 83.0127, 107.0251

Protanopia

80.0344, 82.5938, 98.9127

Deuteranopia

83.0315, 82.3133, 106.1196



Tritanopia

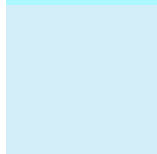
73.0908, 82.7300, 106.7239

Trichromacy



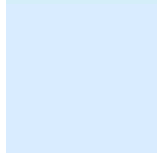
Original Color

68.4120, 83.0127, 107.0251



Protanomaly

74.8248, 81.9857, 101.5037



Deuteranomaly

76.6607, 81.9626, 106.3877



Tritanomaly

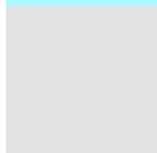
71.1397, 82.6127, 106.8041

Monochromacy



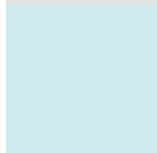
Original Color

68.4120, 83.0127, 107.0251



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.1625, 78.0819, 91.4941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4120, 83.0127, 107.0251 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.4120, 83.0127, 107.0251 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, 248, 255) }
```


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

```
.border{ border-color:rgb(171, 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(171, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4120, 83.0127, 107.0251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 248, 255) }
```

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

```
.background{ background-color: rgb(171,  
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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