

Converting Colors

XYZ(86.6245, 90.0440,
184.5635)

Have a look what the booklet for
XYZ(86.6245, 90.0440, 184.5635)
contains.

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Color

**XYZ(72.0498, 84.4329,
107.1075)**

Conversions

Conversions Part 1

Format	Color
Hex	BCF7FF
RGB	188, 247, 255
RGB Percent	74%, 97%, 100%
CMY	0.2627, 0.0314, 0.0000
CMYK	0.26, 0.03, 0.00, 0.00
HSL	187°, 100%, 87%
HSV	187°, 26%, 100%
XYZ	72.0498, 84.4329, 107.1075
YIQ	230.2710, -37.7320, -10.0200

Conversions

Conversions Part 2

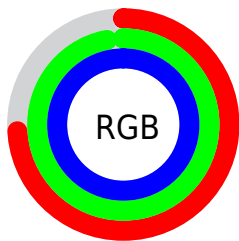
Format	Color
R _Y B	188, 219, 255
Decimal	12384255
CIE Lab	93.64, -16.68, -9.88
CIE LCh	94, 19.384, 210.628
Yxy	84.4329, 0.2733, 0.3203
Android (android.graphics.Color)	4290574335 (0xFFBCF7FF)
YUV	230.2710, 12.1914, -37.0717
Hunter-Lab	91.8874, -20.8393, -4.7896

Details

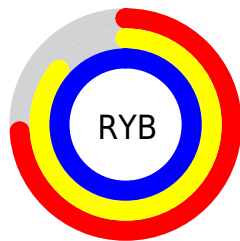
The XYZ color **72.0498, 84.4329, 107.1075** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0570, 64.3701, 56.3110**, and the grayscale version is **75.3489, 79.2729, 86.3282**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **38.4967, 46.3254, 60.3388** is the 20% darker color. If you saturate the color by 10%, you get **65.3919, 79.6325, 106.5318**, and if you desaturate by 10%, it is **79.8372, 89.8425, 107.7412**.

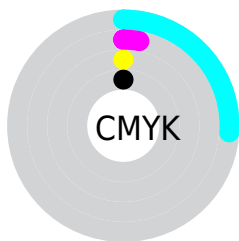
Distribution



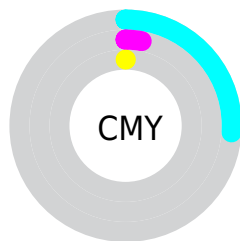
- Red (74%)
- Green (97%)
- Blue (100%)



- Red (74%)
- Yellow (86%)
- Blue (100%)



- Cyan (26%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0498, 84.4329, 107.1075 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 72.0498, 84.4329, 107.1075 by changing the saturation by 10% instead.

72.0498, 84.4329,
107.1075

72.0498, 84.4329,
107.1075

456.8699,
509.7497, 604.1877

53.4850, 63.3729,
81.5996

121.1377,
139.5806, 173.0275

38.4191, 46.1430,
60.5016

152.3916,
174.4371, 214.2766

26.4868, 32.3586,
43.3952

188.6058,
214.6611, 261.6100

17.3228, 21.6356,
29.8616

230.1457,
260.6373, 315.4460

10.5616, 13.5894,
19.4824

277.3767,
312.7498, 376.2032

5.8380, 7.8356,
11.8390

330.6642,

2.7865, 3.9900,

371.3831, 444.3002

6.5130

390.3734,
436.9216, 520.1555

■ 1.0419, 1.6679,
3.0856

■ 0.0000, 0.4028,
1.1385

■ 72.0498, 84.4329,
107.1075

■ 72.0498, 84.4329,
107.1075

■ 65.3919, 79.6325,
106.5318

■ 79.8372, 89.8425,
107.7412

■ 59.7982, 75.4010,
106.0099

■ 88.8017, 95.8793,
108.4339

■ 55.2073, 71.7088,
105.5392

95.0500, 100.0000,
108.9000

■ 51.5484, 68.5193,
105.1164

■ 48.7413, 65.7910,
104.7377

■ 46.6923, 63.4756,
104.3988

■ 45.2846, 61.5126,
104.0941

■ 44.8588, 60.8376,
103.9863

Harmonies

Analogous

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



70.7758, 84.4329, 92.2435



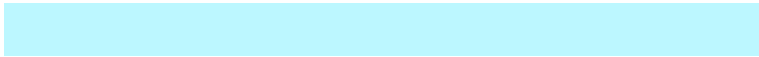
72.0498, 84.4329, 107.1075



75.5042, 84.4329, 118.8475

Triad

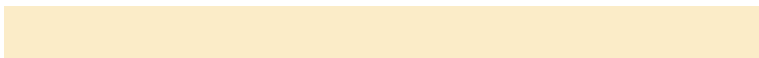
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0498, 84.4329, 107.1075



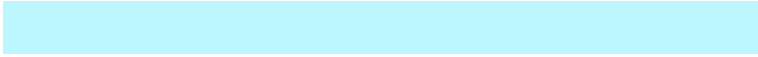
89.1680, 84.4329, 106.5140



80.1427, 84.4329, 66.4536

Complementary

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



72.0498, 84.4329, 107.1075



70.0570, 64.3701, 56.3110

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.



85.1926, 84.4329, 69.4236



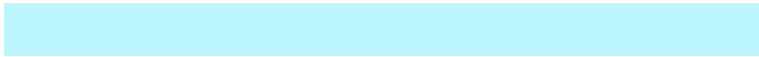
72.0498, 84.4329, 107.1075



90.5361, 84.4329, 91.6234

Square

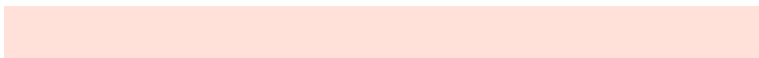
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0498, 84.4329, 107.1075



85.3879, 84.4329, 118.4800



89.0519, 84.4329, 78.2641



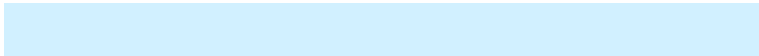
75.3243, 84.4329, 69.6810

Rectangle

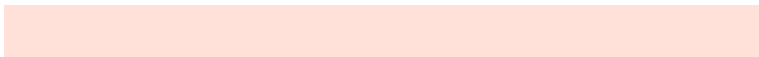
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0498, 84.4329, 107.1075



78.6536, 84.4329, 122.7559



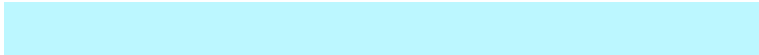
89.0519, 84.4329, 78.2641



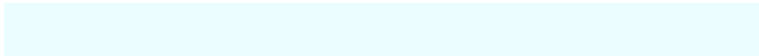
81.8698, 84.4329, 66.7568

Sweetspot

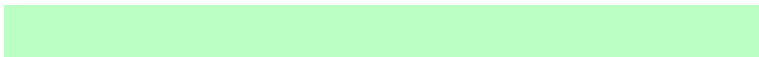
The Sweet Spot groups the original color and five complimentary colors.



72.0520, 84.4362, 107.1080



87.1673, 94.7907, 108.3100



66.4431, 86.1891, 65.2511



18.3589, 20.0895, 23.1600



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.



72.0520, 84.4362, 107.1080



68.1039, 81.6134, 106.7712



62.7568, 65.8457, 104.0096



18.3589, 20.0895, 23.1600



23.5130, 31.9357, 54.3595



2.3394, 3.2095, 5.3095

Inverse Universe

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



76.0131, 63.9435, 96.3355



72.7819, 57.9094, 93.9377



78.4248, 81.1057, 59.1003



18.6938, 18.2608, 22.2708



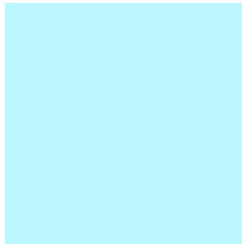
28.6565, 13.9519, 38.4371



2.8154, 1.3685, 3.8754

Previews

White Background



This preview shows how the XYZ color 72.0498, 84.4329, 107.1075 looks on a white background.

Color Contrast Check

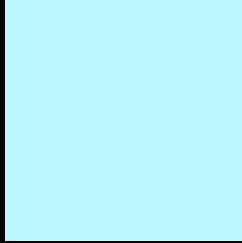
Large Text (above 18pt) WCAG AA × Fail

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 72.0498, 84.4329, 107.1075 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 72.0498, 84.4329, 107.1075

Background



This preview shows how black text looks on a background with the XYZ color 72.0498, 84.4329, 107.1075.

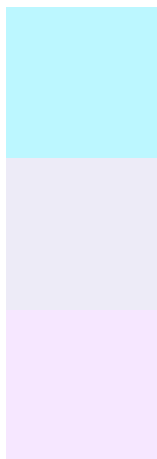


This preview shows how white text looks on a background with the XYZ color 72.0498, 84.4329,

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

72.0498, 84.4329, 107.1075

Protanopia

81.4219, 84.1366, 99.9443

Deuteranopia

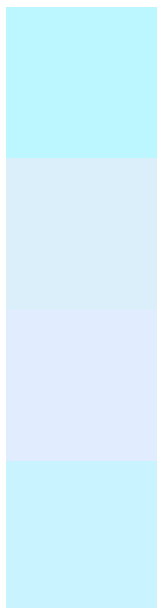
84.6319, 83.9647, 106.3540



Tritanopia

75.8146, 84.1342, 106.8514

Trichromacy



Original Color

72.0498, 84.4329, 107.1075

Protanomaly

77.3352, 83.6952, 102.5213

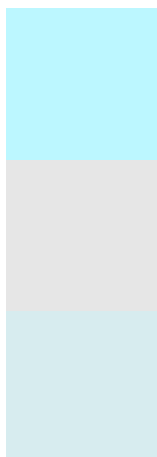
Deuteranomaly

79.3855, 83.7959, 106.5979

Tritanomaly

74.4881, 84.3389, 106.9608

Monochromacy



Original Color

72.0498, 84.4329, 107.1075

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.5998, 80.6700, 93.3531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0498, 84.4329, 107.1075 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(188, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.0498, 84.4329, 107.1075 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(188, 247, 255) }
```


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

```
.border{ border-color:rgb(188, 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(188, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0498, 84.4329, 107.1075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 247, 255) }
```

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

```
.background{ background-color: rgb(188,  
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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