

Converting Colors

XYZ(72.8607, 85.7980,
107.3282)

Have a look what the booklet for
XYZ(72.8607, 85.7980, 107.3282)
contains.

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Color

**XYZ(72.9119, 85.7902,
107.3240)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF9FF
RGB	189, 249, 255
RGB Percent	74%, 98%, 100%
CMY	0.2588, 0.0235, 0.0000
CMYK	0.26, 0.02, 0.00, 0.00
HSL	185°, 100%, 87%
HSV	185°, 26%, 100%
XYZ	72.9119, 85.7902, 107.3240
YIQ	231.7440, -37.6860, -10.8540

Conversions

Conversions Part 2

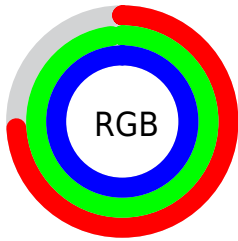
Format	Color
R_{YB}	189, 220, 255
Decimal	12450303
CIE Lab	94.22, -17.39, -9.00
CIE LCh	94, 19.580, 207.371
Yxy	85.7902, 0.2741, 0.3225
Android (android.graphics.Color)	4290640383 (0xFFBDF9FF)
YUV	231.7440, 11.4652, -37.4865
Hunter-Lab	92.6230, -21.5768, -3.8643

Details

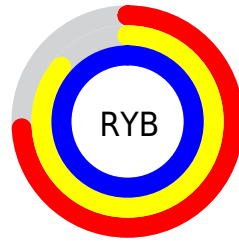
The XYZ color **72.9119, 85.7902, 107.3240** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9403, 63.9636, 56.8057**, and the grayscale version is **76.4495, 80.4308, 87.5891**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **38.8742, 46.8448, 60.4191** is the 20% darker color. If you saturate the color by 10%, you get **66.4230, 81.3909, 106.8169**, and if you desaturate by 10%, it is **80.5262, 90.7872, 107.8872**.

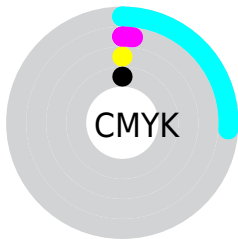
Distribution



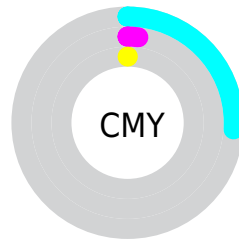
- Red (74%)
- Green (98%)
- Blue (100%)



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



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9119, 85.7902, 107.3240 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 72.9119, 85.7902, 107.3240 by changing the saturation by 10% instead.

72.9119, 85.7902,
107.3240

72.9119, 85.7902,
107.3240

459.8179,
514.2392, 604.8736

54.1920, 64.4945,
81.7802

122.3559,
141.4767, 173.3255

38.9865, 47.0513,
60.6496

153.8108,
176.6363, 214.6203

26.9299, 33.0762,
43.5137

190.2415,
217.1859, 262.0025

17.6569, 22.1848,
29.9540

232.0132,
263.5100, 315.8907

10.8021, 13.9928,
19.5519

279.4913,
315.9930, 376.7033

6.0003, 8.1156,
11.8889

333.0413,

2.8859, 4.1690,

375.0193, 444.8590

6.5465

393.0283,
440.9732, 520.7762

■ 1.0937, 1.7686,
3.1060

■ 0.0198, 0.4675,
1.1490

■ 72.9119, 85.7902,
107.3240

■ 72.9119, 85.7902,
107.3240

■ 66.4230, 81.3909,
106.8169

■ 80.5262, 90.7872,
107.8872

■ 60.9945, 77.5490,
106.3615

■ 89.3131, 96.3996,
108.5074

■ 56.5650, 74.2352,
105.9553

95.0500, 100.0000,
108.9000

■ 53.0641, 71.4131,
105.5951

■ 50.4123, 69.0417,
105.2771

■ 48.5165, 67.0728,
104.9970

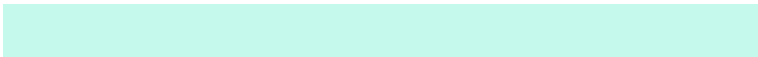
■ 47.2610, 65.4468,
104.7493

■ 46.8605, 64.8409,
104.6535

Harmonies

Analogous

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



71.8791, 85.7902, 92.0931



72.9119, 85.7902, 107.3240



76.2251, 85.7902, 119.8978

Triad

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



72.9119, 85.7902, 107.3240



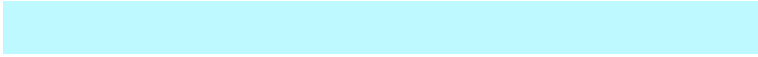
90.3295, 85.7902, 109.8596



82.0042, 85.7902, 67.4355

Complementary

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



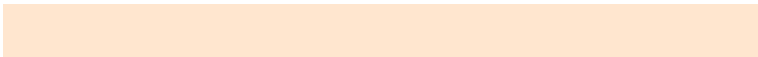
72.9119, 85.7902, 107.3240



69.9403, 63.9636, 56.8057

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.



87.0985, 85.7902, 71.1439



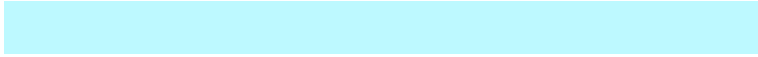
72.9119, 85.7902, 107.3240



92.0321, 85.7902, 94.7413

Square

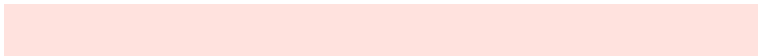
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9119, 85.7902, 107.3240



86.2644, 85.7902, 121.4685



90.8254, 85.7902, 80.7555



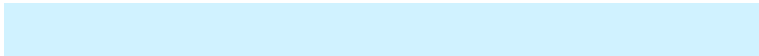
76.9933, 85.7902, 70.0453

Rectangle

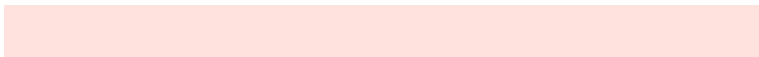
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9119, 85.7902, 107.3240



79.3567, 85.7902, 124.5124



90.8254, 85.7902, 80.7555



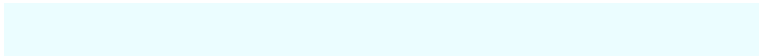
83.7650, 85.7902, 67.9746

Sweetspot

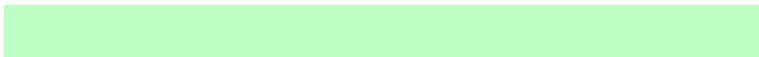
The Sweet Spot groups the original color and five complimentary colors.



72.9142, 85.7936, 107.3246



87.3507, 95.1575, 108.3711



66.5411, 86.2569, 64.4776



18.4055, 20.1826, 23.1755



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.



72.9142, 85.7936, 107.3246



69.4550, 83.4679, 107.0580



63.7216, 67.4084, 104.2604



18.4055, 20.1826, 23.1755



24.5438, 33.9972, 54.7031



2.4293, 3.3893, 5.3394

Inverse Universe

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



76.5379, 64.4963, 98.0416



73.6708, 59.0572, 96.1762



78.0320, 80.1470, 59.5029



18.7173, 18.2702, 22.3945



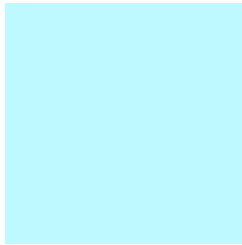
29.1768, 14.1600, 41.1769



2.8608, 1.3867, 4.1144

Previews

White Background



This preview shows how the XYZ color 72.9119, 85.7902, 107.3240 looks on a white background.

Color Contrast Check

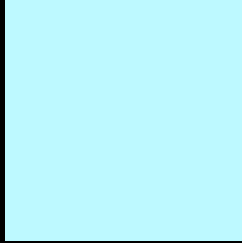
Large Text (above 18pt) WCAG AA × Fail

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 72.9119, 85.7902, 107.3240 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 72.9119, 85.7902, 107.3240

Background



This preview shows how black text looks on a background with the XYZ color 72.9119, 85.7902, 107.3240.

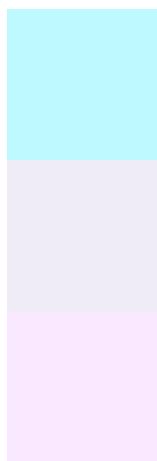


This preview shows how white text looks on a background with the XYZ color 72.9119, 85.7902,

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

72.9119, 85.7902, 107.3240

Protanopia

82.3806, 85.0570, 100.0714

Deuteranopia

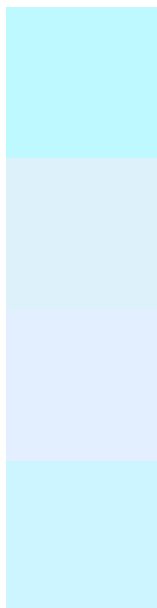
85.9735, 85.0730, 106.4972



Tritanopia

77.5412, 85.4673, 107.0177

Trichromacy



Original Color

72.9119, 85.7902, 107.3240

Protanomaly

78.5294, 85.1849, 102.7459

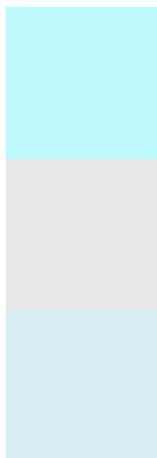
Deuteranomaly

80.3031, 84.7000, 106.7240

Tritanomaly

75.6042, 85.3622, 107.0995

Monochromacy



Original Color

72.9119, 85.7902, 107.3240

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

74.6216, 82.0393, 94.3403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9119, 85.7902, 107.3240 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(189, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 249, 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(189, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.9119, 85.7902, 107.3240 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(189, 249, 255) }
```


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

```
.border{ border-color:rgb(189, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9119, 85.7902, 107.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 249, 255) }
```

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

```
.background{ background-color: rgb(189,  
249, 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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