

Converting Colors

XYZ(80.7446, 90.1902,
152.1693)

Have a look what the booklet for
XYZ(80.7446, 90.1902, 152.1693)
contains.

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Color

**XYZ(72.3888, 86.9081,
107.5674)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FCFF
RGB	183, 252, 255
RGB Percent	72%, 99%, 100%
CMY	0.2823, 0.0117, 0.0000
CMYK	0.28, 0.01, 0.00, 0.00
HSL	182°, 100%, 86%
HSV	182°, 28%, 100%
XYZ	72.3888, 86.9081, 107.5674
YIQ	231.7110, -42.0870, -13.6950

Conversions

Conversions Part 2

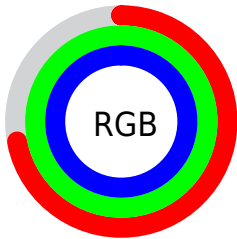
Format	Color
RYB	183, 218, 255
Decimal	12057855
CIELab	94.70, -20.54, -8.33
CIELCh	95, 22.165, 202.076
Yxy	86.9081, 0.2713, 0.3257
Android (android.graphics.Color)	4290247935 (0xFFB7FCFF)
YUV	231.7110, 11.4815, -42.7195
Hunter-Lab	93.2245, -24.5377, -3.1548

Details

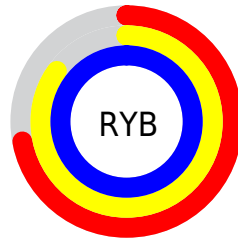
The XYZ color **72.3888, 86.9081, 107.5674** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3461, 59.7961, 52.7937**, and the grayscale version is **76.4271, 80.4072, 87.5635**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **38.6102, 47.6966, 60.5975** is the 20% darker color. If you saturate the color by 10%, you get **66.5327, 83.3982, 107.1986**, and if you desaturate by 10%, it is **79.3501, 90.9950, 107.9893**.

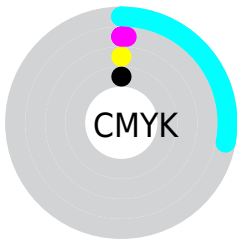
Distribution



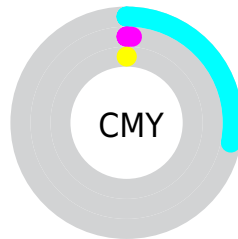
- Red (72%)
- Green (99%)
- Blue (100%)



- Red (72%)
- Yellow (85%)
- Blue (100%)



- Cyan (28%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3888, 86.9081, 107.5674 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 72.3888, 86.9081, 107.5674 by changing the saturation by 10% instead.

72.3888, 86.9081,
107.5674

72.3888, 86.9081,
107.5674

458.0304,
517.9208, 605.6442

53.7629, 65.4192,
81.9833

121.6170,
143.0360, 173.6605

38.6421, 47.8010,
60.8160

152.9500,
178.4438, 215.0066

26.6609, 33.6694,
43.6471

189.2494,
219.2600, 262.4437

17.4540, 22.6397,
30.0580

230.8806,
265.8690, 316.3905

10.6560, 14.3277,
19.6302

278.2090,
318.6552, 377.2653

5.9016, 8.3489,
11.9451

331.5998,

2.8254, 4.3190,

378.0030, 445.4869

6.5842

391.4185,
444.2967, 521.4736

■ 1.0621, 1.8536,
3.1290

■ 0.0000, 0.5202,
1.1609

■ 72.3888, 86.9081,
107.5674

■ 72.3888, 86.9081,
107.5674

■ 66.5327, 83.3982,
107.1986

■ 79.3501, 90.9950,
107.9893

■ 61.7155, 80.4244,
106.8785

■ 87.4647, 95.6769,
108.4653

■ 57.8746, 77.9566,
106.6046

95.0500, 100.0000,
108.9000

■ 54.9377, 75.9577,
106.3735

■ 52.8225, 74.3851,
106.1815

■ 51.4318, 73.1887,
106.0238

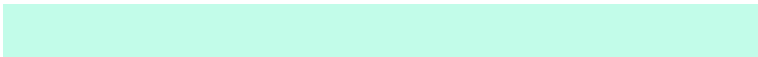
■ 50.6315, 72.2994,
105.8944

■ 50.5186, 72.1573,
105.8729

Harmonies

Analogous

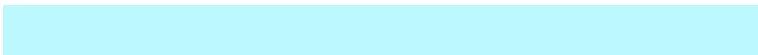
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7187, 86.9081, 90.1558



72.3888, 86.9081, 107.5674



75.7286, 86.9081, 123.0890

Triad

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



72.3888, 86.9081, 107.5674



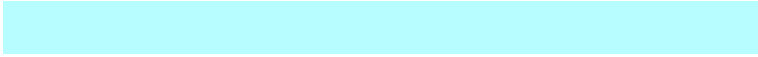
92.0208, 86.9081, 116.3710



84.2006, 86.9081, 65.5871

Complementary

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



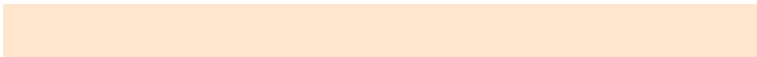
72.3888, 86.9081, 107.5674



67.3461, 59.7961, 52.7937

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.



89.8824, 86.9081, 70.9319



72.3888, 86.9081, 107.5674



94.5376, 86.9081, 99.2460

Square

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



72.3888, 86.9081, 107.5674



87.0059, 86.9081, 128.5843



93.7367, 86.9081, 82.7705



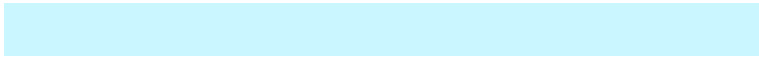
78.3522, 86.9081, 67.2475

Rectangle

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



72.3888, 86.9081, 107.5674



79.1113, 86.9081, 129.5893



93.7367, 86.9081, 82.7705



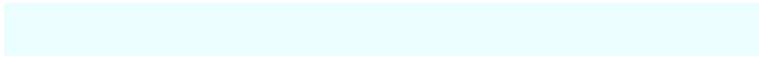
86.1970, 86.9081, 66.5989

Sweetspot

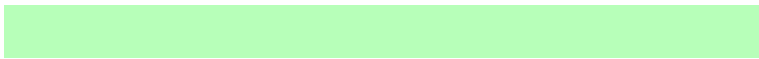
The Sweet Spot groups the original color and five complimentary colors.



72.3911, 86.9115, 107.5679



87.6689, 95.7939, 108.4772



64.0887, 85.1075, 59.1718



18.4863, 20.3442, 23.2024



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

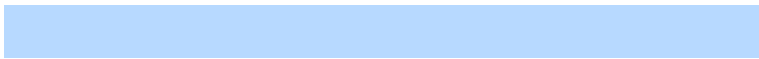
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3911, 86.9115, 107.5679



68.8825, 84.8180, 107.3488



62.2895, 66.7082, 104.2007



18.4863, 20.3442, 23.2024



26.4256, 37.7609, 55.3304



2.5923, 3.7153, 5.3938

Inverse Universe

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



75.7456, 62.1568, 100.1047



72.7727, 56.3660, 98.6362



75.7501, 76.6042, 55.5950



18.7581, 18.2866, 22.6093



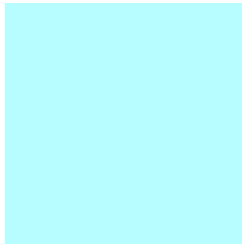
30.1266, 14.5399, 46.1788



2.9431, 1.4196, 4.5476

Previews

White Background



This preview shows how the XYZ color 72.3888, 86.9081, 107.5674 looks on a white background.

Color Contrast Check

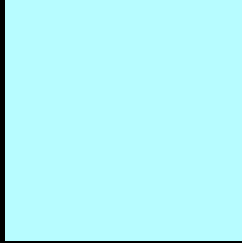
Large Text (above 18pt) WCAG AA × Fail

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 72.3888, 86.9081, 107.5674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

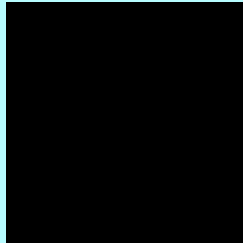
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3888, 86.9081, 107.5674

Background



This preview shows how black text looks on a background with the XYZ color 72.3888, 86.9081, 107.5674.

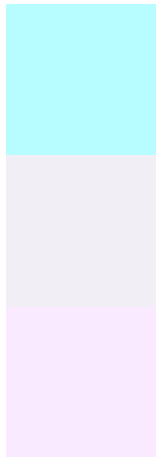


This preview shows how white text looks on a background with the XYZ color 72.3888, 86.9081,

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

72.3888, 86.9081, 107.5674

Protanopia

83.4847, 86.5037, 99.4855

Deuteranopia

86.8972, 86.3896, 106.7026



Tritanopia

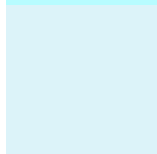
78.1322, 86.2175, 107.1314

Trichromacy



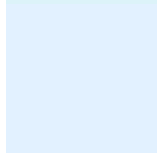
Original Color

72.3888, 86.9081, 107.5674



Protanomaly

78.6647, 86.1564, 102.1063



Deuteranomaly

80.8693, 86.2993, 107.0029



Tritanomaly

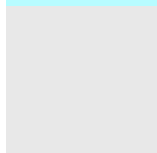
75.9394, 86.4380, 107.2895

Monochromacy



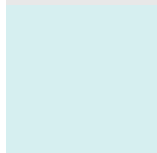
Original Color

72.3888, 86.9081, 107.5674



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.3262, 82.3204, 94.4101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3888, 86.9081, 107.5674 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(183, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 252, 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(183, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.3888, 86.9081, 107.5674 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(183, 252, 255) }
```


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

```
.border{ border-color:rgb(183, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3888, 86.9081, 107.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 252, 255) }
```

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

```
.background{ background-color: rgb(183,  
252, 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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