

Converting Colors

XYZ(123.6310, 193.1828,
112.1881)

Have a look what the booklet for
XYZ(123.6310, 193.1828, 112.1881)
contains.

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Color

**XYZ(71.1072, 87.9423,
94.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFEF
RGB	184, 255, 239
RGB Percent	72%, 100%, 94%
CMY	0.2784, 0.0000, 0.0627
CMYK	0.28, 0.00, 0.06, 0.00
HSL	166°, 100%, 86%
HSV	166°, 28%, 100%
XYZ	71.1072, 87.9423, 94.8882
YIQ	231.9470, -37.1800, -20.0280

Conversions

Conversions Part 2

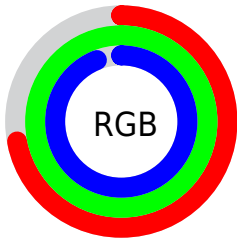
Format	Color
RYB	184, 224, 255
Decimal	12124143
CIELab	95.14, -25.14, 0.58
CIELCh	95, 25.142, 178.679
Yxy	87.9423, 0.2800, 0.3463
Android (android.graphics.Color)	4290314223 (0xFFB8FFEF)
YUV	231.9470, 3.4771, -42.0495
Hunter-Lab	93.7776, -28.7624, 5.6521

Details

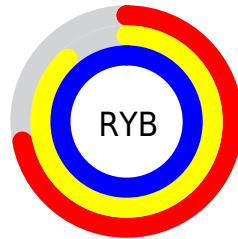
The XYZ color **71.1072, 87.9423, 94.8882** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8066, 59.7125, 62.5435**, and the grayscale version is **76.6568, 80.6489, 87.8267**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **37.7946, 48.4742, 52.1642** is the 20% darker color. If you saturate the color by 10%, you get **64.7043, 84.7381, 90.2284**, and if you desaturate by 10%, it is **78.6400, 91.7260, 99.7447**.

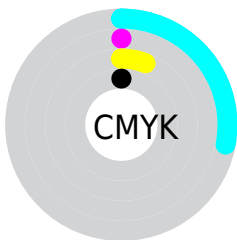
Distribution



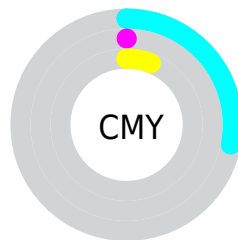
- Red (72%)
- Green (100%)
- Blue (94%)



- Red (72%)
- Yellow (88%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1072, 87.9423, 94.8882 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 71.1072, 87.9423, 94.8882 by changing the saturation by 10% instead.


 71.1072, 87.9423,
94.8882

 71.1072, 87.9423,
94.8882


453.6341,
521.3143, 564.7822

 52.7125, 66.2753,
71.4456


 119.8040,
144.4768, 156.1044

 37.7999, 48.4959,
52.2218


150.8369,
180.1131, 194.7150

 26.0039, 34.2198,
36.7985


186.8133,
221.1746, 239.2187

 16.9593, 23.0625,
24.7569

228.0984,
268.0458, 290.0340

 10.3006, 14.6397,
15.6787

275.0577,
321.1109, 347.5795

 5.6625, 8.5669,
9.1452

328.0565,

 2.6797, 4.4598,

380.7544, 412.2736

4.7379

387.4602,
447.3607, 484.5350

■ 0.9867, 1.9339,
2.0383

■ 0.0000, 0.5687,
0.5787

■ 71.1072, 87.9423,
94.8882

■ 71.1072, 87.9423,
94.8882

■ 64.7043, 84.7381,
90.2284

■ 78.6400, 91.7260,
99.7447

■ 59.3690, 82.0810,
85.7566

■ 87.3549, 96.1159,
104.7973

■ 55.0372, 79.9383,
81.4702

95.0500, 100.0000,
108.9000

■ 51.6369, 78.2728,
77.3643

■ 49.0859, 77.0420,
73.4339

■ 47.2874, 76.1963,
69.6728

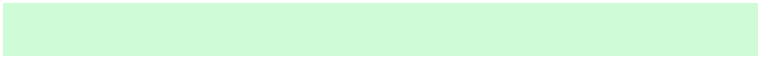
■ 46.1121, 75.6688,
66.0739

■ 45.9000, 75.5760,
65.3164

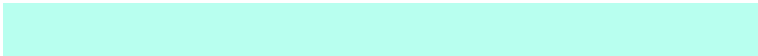
Harmonies

Analogous

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



72.8399, 87.9423, 77.4667



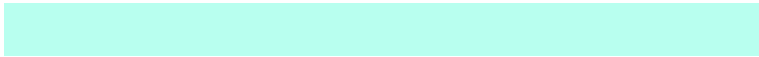
71.1072, 87.9423, 94.8882



72.5635, 87.9423, 115.0062

Triad

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



71.1072, 87.9423, 94.8882



90.0631, 87.9423, 132.7753



90.6164, 87.9423, 67.0290

Complementary

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



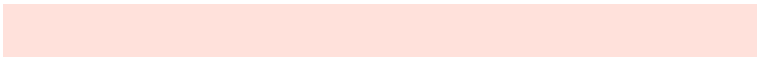
71.1072, 87.9423, 94.8882



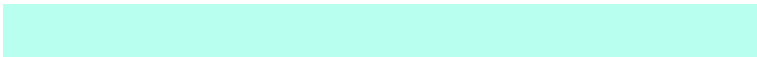
68.8066, 59.7125, 62.5435

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.



95.6729, 87.9423, 78.7804



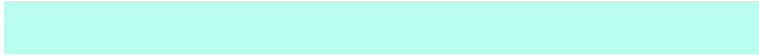
71.1072, 87.9423, 94.8882



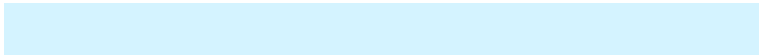
95.3414, 87.9423, 116.7145

Square

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



71.1072, 87.9423, 94.8882



83.2836, 87.9423, 138.5960



97.4466, 87.9423, 96.6255



83.8902, 87.9423, 62.7987

Rectangle

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



71.1072, 87.9423, 94.8882



75.1943, 87.9423, 126.9436



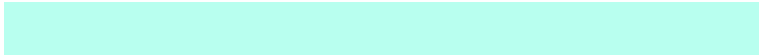
97.4466, 87.9423, 96.6255



92.5811, 87.9423, 70.1441

Sweetspot

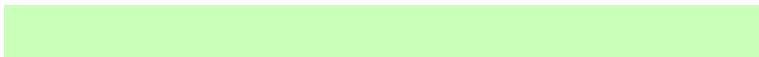
The Sweet Spot groups the original color and five complimentary colors.



71.1082, 87.9428, 94.8897



87.2076, 96.0416, 104.7158



68.3838, 87.3387, 58.6030



18.3694, 20.4073, 22.2482



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

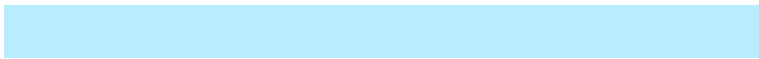
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1082, 87.9428, 94.8897



67.6678, 86.2194, 92.4614



67.8328, 77.4405, 105.9801



18.3694, 20.4073, 22.2482



24.0429, 39.5138, 34.4409



2.3819, 3.8637, 3.5687

Inverse Universe

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



68.8066, 59.7125, 62.5435



65.0483, 54.0387, 55.6096



71.2328, 67.4023, 54.6047



18.1770, 18.0541, 19.5491



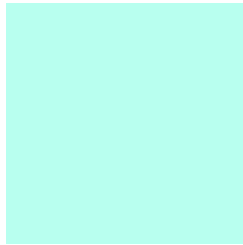
21.9866, 11.2839, 3.3139



2.1799, 1.1143, 0.5288

Previews

White Background



This preview shows how the XYZ color 71.1072, 87.9423, 94.8882 looks on a white background.

Color Contrast Check

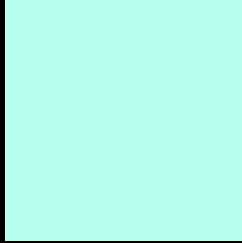
Large Text (above 18pt) WCAG AA × Fail

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 71.1072, 87.9423, 94.8882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

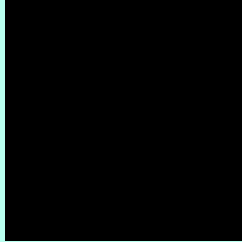
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

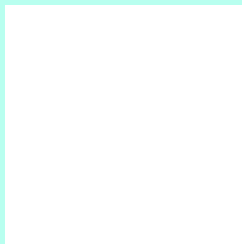
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.1072, 87.9423, 94.8882

Background



This preview shows how black text looks on a background with the XYZ color 71.1072, 87.9423, 94.8882.



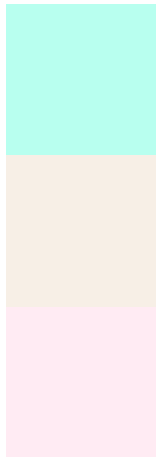
This preview shows how white text looks on a background with the XYZ color 71.1072, 87.9423,

94.8882.

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

71.1072, 87.9423, 94.8882

Protanopia

83.5072, 87.2203, 87.2968

Deuteranopia

87.1260, 87.1477, 97.0232



Tritanopia

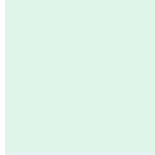
79.9158, 87.5849, 107.3013

Trichromacy



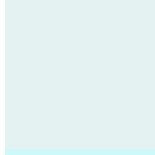
Original Color

71.1072, 87.9423, 94.8882



Protanomaly

78.1009, 87.0353, 89.7739



Deuteranomaly

80.0922, 86.5731, 96.4934



Tritanomaly

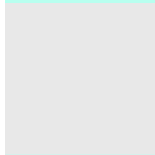
76.4282, 87.7127, 102.5246

Monochromacy



Original Color

71.1072, 87.9423, 94.8882



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.1798, 82.7654, 90.6629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1072, 87.9423, 94.8882 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(184, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 239)  
}
```

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(184, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 71.1072, 87.9423, 94.8882 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(184, 255, 239) }
```


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

```
.border{ border-color:rgb(184, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1072, 87.9423, 94.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 239) }
```

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

```
.background{ background-color: rgb(184,  
255, 239) }
```

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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