

Converting Colors

XYZ(72.2070, 88.1124, 97.9795)

Have a look what the booklet for
XYZ(72.2070, 88.1124, 97.9795)
contains.

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Color

**XYZ(72.1130, 87.9195,
97.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFEF3
RGB	187, 254, 243
RGB Percent	73%, 100%, 95%
CMY	0.2667, 0.0039, 0.0471
CMYK	0.26, 0.00, 0.04, 0.00
HSL	170°, 97%, 86%
HSV	170°, 26%, 100%
XYZ	72.1130, 87.9195, 97.9634
YIQ	232.7130, -36.4010, -17.6250

Conversions

Conversions Part 2

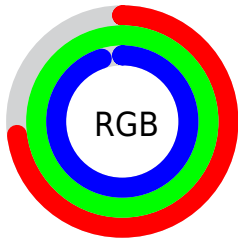
Format	Color
RYB	187, 223, 254
Decimal	12320499
CIELab	95.13, -22.96, -1.48
CIELCh	95, 23.012, 183.685
Yxy	87.9195, 0.2795, 0.3408
Android (android.graphics.Color)	4290510579 (0xFFBBFEF3)
YUV	232.7130, 5.0715, -40.0903
Hunter-Lab	93.7654, -26.8088, 3.6913

Details

The XYZ color **72.1130, 87.9195, 97.9634** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8395, 60.6911, 61.5160**, and the grayscale version is **77.2211, 81.2426, 88.4732**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **38.4516, 48.4259, 54.3342** is the 20% darker color. If you saturate the color by 10%, you get **65.8180, 84.7485, 94.4193**, and if you desaturate by 10%, it is **79.5264, 91.6699, 101.6384**.

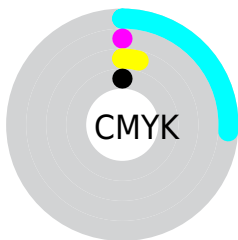
Distribution



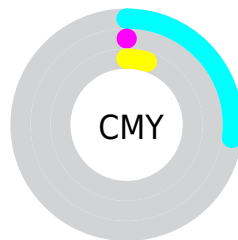
- Red (73%)
- Green (100%)
- Blue (95%)



- Red (73%)
- Yellow (87%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1130, 87.9195, 97.9634 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 72.1130, 87.9195, 97.9634 by changing the saturation by 10% instead.


 72.1130, 87.9195,
97.9634

 72.1130, 87.9195,
97.9634


457.0863,
521.2396, 574.8340

 53.5368, 66.2564,
73.9934


 121.2271,
144.4451, 160.3830

 38.4606, 48.4806,
54.2919


152.4957,
180.0764, 199.6697

 26.5192, 34.2076,
38.4403


188.7258,
221.1325, 244.8990

 17.3472, 23.0531,
26.0201

230.2828,
267.9978, 296.4895

 10.5792, 14.6328,
16.6128

277.5320,
321.0568, 354.8597

 5.8498, 8.5621,
9.7998

330.8387,

 2.7938, 4.4566,

380.6939, 420.4281

5.1625

390.5684,
447.2933, 493.6134

■ 1.0457, 1.9321,
2.2825

■ 0.0000, 0.5676,
0.7214

■ 72.1130, 87.9195,
97.9634

■ 72.1130, 87.9195,
97.9634

■ 65.8180, 84.7485,
94.4193

■ 79.5264, 91.6699,
101.6384

■ 60.5757, 82.1164,
90.9967

■ 88.1044, 96.0167,
105.4412

■ 56.3255, 79.9940,
87.6944

94.7334, 99.3668,
108.7945

■ 52.9972, 78.3453,
84.5084

■ 50.5112, 77.1291,
81.4346

■ 48.7745, 76.2977,
78.4681

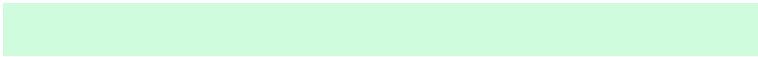
■ 47.6709, 75.7911,
75.6029

■ 47.3639, 75.6550,
74.5872

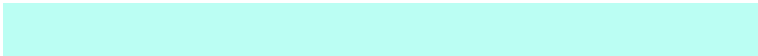
Harmonies

Analogous

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



73.2274, 87.9195, 81.2384



72.1130, 87.9195, 97.9634



73.9385, 87.9195, 116.1624

Triad

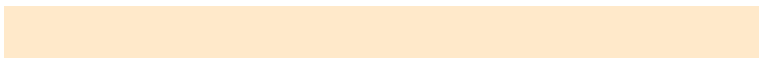
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1130, 87.9195, 97.9634



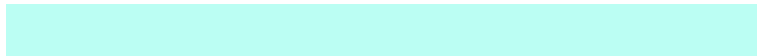
90.4242, 87.9195, 127.3944



89.0184, 87.9195, 68.0205

Complementary

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



72.1130, 87.9195, 97.9634



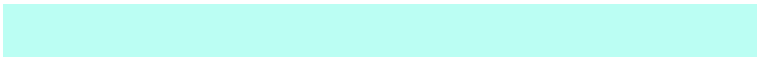
68.8395, 60.6911, 61.5160

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.



93.9924, 87.9195, 77.8450



72.1130, 87.9195, 97.9634



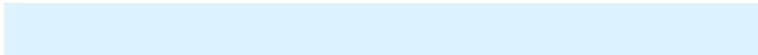
94.8321, 87.9195, 111.8486

Square

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



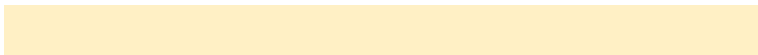
72.1130, 87.9195, 97.9634



84.3413, 87.9195, 134.4409



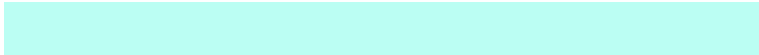
96.1691, 87.9195, 93.5296



82.7932, 87.9195, 65.2690

Rectangle

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



72.1130, 87.9195, 97.9634



76.6333, 87.9195, 126.2989



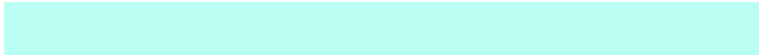
96.1691, 87.9195, 93.5296



90.9023, 87.9195, 70.5393

Sweetspot

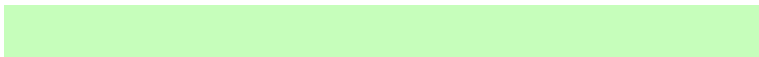
The Sweet Spot groups the original color and five complimentary colors.



72.1155, 87.9231, 97.9654



87.4043, 96.1203, 105.7512



67.7468, 86.5036, 60.1415



18.4192, 20.4272, 22.5104



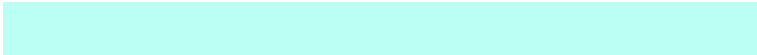
0.0000, 0.0000, 0.0000



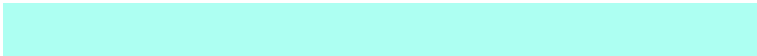
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1155, 87.9231, 97.9654



69.0491, 86.8367, 96.8113



67.1485, 75.2493, 104.7556



18.4192, 20.4272, 22.5104



25.0168, 39.9033, 39.5692



2.4684, 3.8983, 4.0245

Inverse Universe

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



68.8395, 60.6911, 61.5160



65.2087, 54.8801, 54.0578



72.7280, 70.4262, 56.7757



18.1310, 18.0357, 19.3072



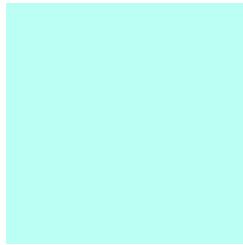
21.8015, 11.2099, 2.3393



2.1555, 1.1046, 0.4003

Previews

White Background



This preview shows how the XYZ color 72.1130, 87.9195, 97.9634 looks on a white background.

Color Contrast Check

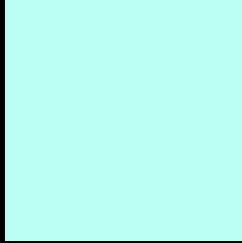
Large Text (above 18pt) WCAG AA × Fail

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 72.1130, 87.9195, 97.9634 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

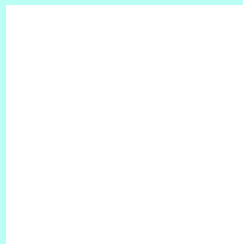
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1130, 87.9195, 97.9634

Background



This preview shows how black text looks on a background with the XYZ color 72.1130, 87.9195, 97.9634.



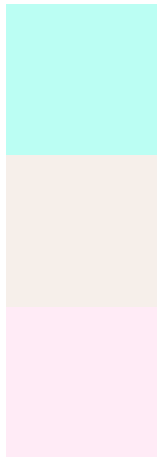
This preview shows how white text looks on a background with the XYZ color 72.1130, 87.9195,

97.9634.

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

72.1130, 87.9195, 97.9634

Protanopia

83.7238, 87.2663, 90.2733

Deuteranopia

87.5829, 87.3305, 99.4291



Tritanopia

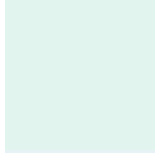
79.9158, 87.5849, 107.3013

Trichromacy



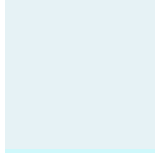
Original Color

72.1130, 87.9195, 97.9634



Protanomaly

78.6881, 86.8233, 92.7320



Deuteranomaly

80.8667, 86.9198, 98.9013



Tritanomaly

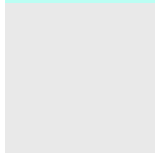
76.7121, 87.3652, 104.0868

Monochromacy



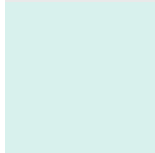
Original Color

72.1130, 87.9195, 97.9634



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.0603, 83.6239, 92.3057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1130, 87.9195, 97.9634 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(187, 254, 243)` looks like.

```
.text, #text, p{  
    color:rgb(187, 254, 243)  
}
```

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(187, 254, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 254, 243) }
```

Border

The CSS property to change the border of an element to XYZ 72.1130, 87.9195, 97.9634 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(187, 254, 243) }
```


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

```
.border{ border-color:rgb(187, 254, 243) }
```

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

Here you see how a box with a 4 pixel rgb(187, 254, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 254, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 254, 243);  
box-shadow:4px 4px 4px 4px rgb(187, 254,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1130, 87.9195, 97.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 254, 243) }
```

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

```
.background{ background-color: rgb(187,  
254, 243) }
```

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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