

Converting Colors

XYZ(71.9018, 86.6236, 98.5192)

Have a look what the booklet for
XYZ(71.9018, 86.6236, 98.5192)
contains.

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Color

**XYZ(72.1258, 86.9713,
98.5737)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFCF4
RGB	189, 252, 244
RGB Percent	74%, 99%, 96%
CMY	0.2588, 0.0117, 0.0431
CMYK	0.25, 0.00, 0.03, 0.01
HSL	172°, 91%, 86%
HSV	172°, 25%, 99%
XYZ	72.1258, 86.9713, 98.5737
YIQ	232.2510, -34.9800, -15.8440

Conversions

Conversions Part 2

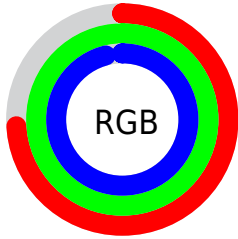
Format	Color
RYB	189, 223, 252
Decimal	12451060
CIELab	94.73, -21.21, -2.57
CIELCh	95, 21.364, 186.910
Yxy	86.9713, 0.2799, 0.3375
Android (android.graphics.Color)	4290641140 (0xFFBDFCF4)
YUV	232.2510, 5.7923, -37.9311
Hunter-Lab	93.2584, -25.1508, 2.6116

Details

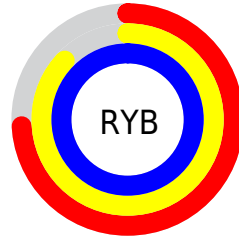
The XYZ color **72.1258, 86.9713, 98.5737** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4236, 61.1242, 61.0186**, and the grayscale version is **76.8685, 80.8716, 88.0692**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **38.4237, 47.7294, 54.7645** is the 20% darker color. If you saturate the color by 10%, you get **65.9284, 83.8344, 95.7699**, and if you desaturate by 10%, it is **79.4227, 90.6786, 101.4767**.

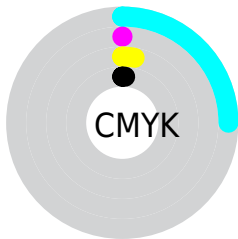
Distribution



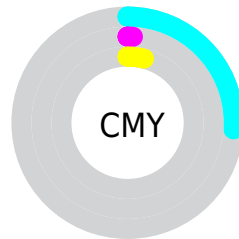
- Red (74%)
- Green (99%)
- Blue (96%)



- Red (74%)
- Yellow (87%)
- Blue (99%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)





- Cyan (26%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1258, 86.9713, 98.5737 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 72.1258, 86.9713, 98.5737 by changing the saturation by 10% instead.


 72.1258, 86.9713,
98.5737

 72.1258, 86.9713,
98.5737


457.1302,
518.1286, 576.8176

 53.5473, 65.4715,
74.4997


 121.2452,
143.1241, 161.2305

 38.4691, 47.8435,
54.7038


152.5168,
178.5459, 200.6503

 26.5258, 33.7029,
38.7677


188.7501,
219.3771, 246.0225

 17.3522, 22.6655,
26.2726

230.3105,
266.0022, 297.7656

 10.5827, 14.3467,
16.8001

277.5634,
318.8055, 356.2981

 5.8522, 8.3622,
9.9316

330.8740,

 2.7952, 4.3276,

378.1713, 422.0386

5.2486

390.6079,
444.4842, 495.4056

■ 1.0464, 1.8584,
2.3326

■ 0.0000, 0.5232,
0.7494

■ 72.1258, 86.9713,
98.5737

■ 72.1258, 86.9713,
98.5737

■ 65.9284, 83.8344,
95.7699

■ 79.4227, 90.6786,
101.4767

■ 60.7668, 81.2282,
93.0566

■ 87.8638, 94.9725,
104.4758

■ 56.5823, 79.1247,
90.4326

■ 93.8782, 98.0144,
107.4057

■ 53.3071, 77.4891,
87.8946

■ 94.1020, 98.1039,
108.5840

■ 50.8649, 76.2819,
85.4388

■ 49.1665, 75.4572,
83.0607

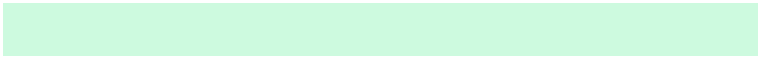
■ 48.1025, 74.9586,
80.7551

■ 47.7293, 74.7909,
79.6258

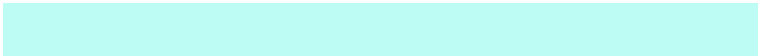
Harmonies

Analogous

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



72.8667, 86.9713, 82.7681



72.1258, 86.9713, 98.5737



74.1015, 86.9713, 115.1021

Triad

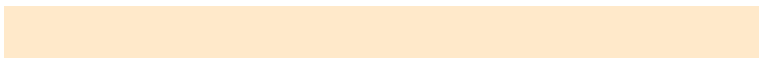
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1258, 86.9713, 98.5737



89.5112, 86.9713, 122.4598



87.0940, 86.9713, 68.3589

Complementary

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



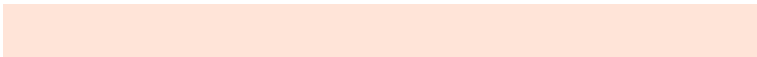
72.1258, 86.9713, 98.5737



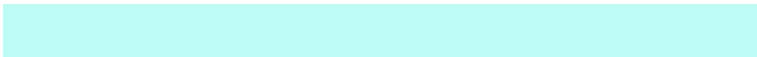
68.4236, 61.1242, 61.0186

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.



91.8611, 86.9713, 76.8582



72.1258, 86.9713, 98.5737



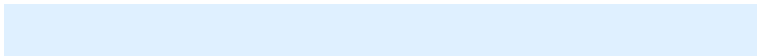
93.3015, 86.9713, 107.7202

Square

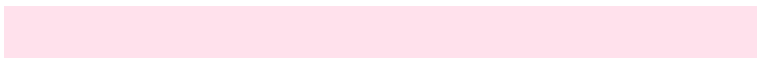
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1258, 86.9713, 98.5737



84.0064, 86.9713, 129.8944



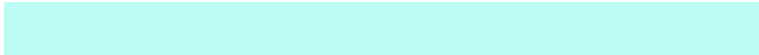
94.1809, 86.9713, 90.9232



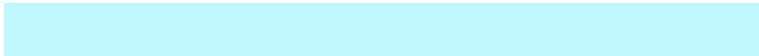
81.3352, 86.9713, 66.5122

Rectangle

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



72.1258, 86.9713, 98.5737



76.7499, 86.9713, 123.9084



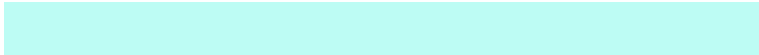
94.1809, 86.9713, 90.9232



88.8735, 86.9713, 70.4803

Sweetspot

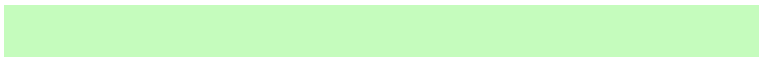
The Sweet Spot groups the original color and five complimentary colors.



72.1283, 86.9748, 98.5757



87.5245, 96.1684, 106.3846



67.1292, 85.2230, 61.0572



18.4497, 20.4394, 22.6710



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

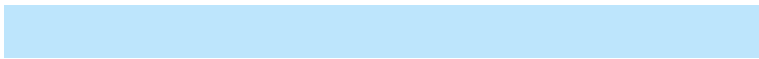
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1283, 86.9748, 98.5757



70.7596, 87.6541, 99.8018



66.5512, 73.8333, 102.8432



17.6653, 19.5684, 21.7042



24.9001, 38.9730, 41.6786



2.3319, 3.6199, 3.9955

Inverse Universe

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



68.4236, 61.1242, 61.0186



66.3607, 56.9404, 55.1931



72.9016, 71.5093, 58.1060



17.3343, 17.2611, 18.3503



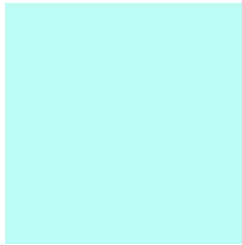
21.0765, 10.8463, 1.8452



1.9794, 1.0155, 0.3149

Previews

White Background



This preview shows how the XYZ color 72.1258, 86.9713, 98.5737 looks on a white background.

Color Contrast Check

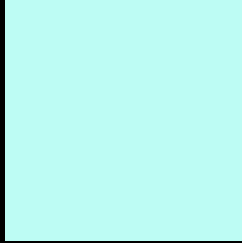
Large Text (above 18pt) WCAG AA × Fail

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 72.1258, 86.9713, 98.5737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

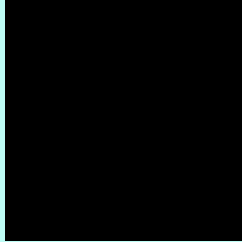
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

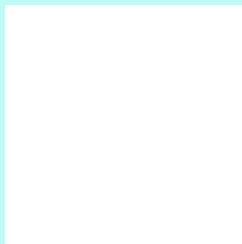
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1258, 86.9713, 98.5737

Background



This preview shows how black text looks on a background with the XYZ color 72.1258, 86.9713, 98.5737.

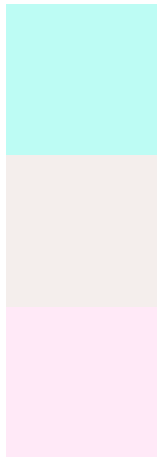


This preview shows how white text looks on a background with the XYZ color 72.1258, 86.9713,

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

72.1258, 86.9713, 98.5737

Protanopia

83.0231, 86.4383, 91.6654

Deuteranopia

87.1674, 86.2532, 100.0500



Tritanopia

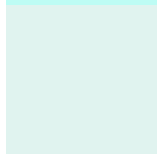
79.0160, 86.6731, 107.1727

Trichromacy



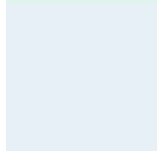
Original Color

72.1258, 86.9713, 98.5737



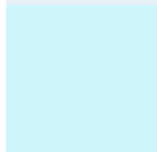
Protanomaly

78.3710, 86.1805, 94.1653



Deuteranomaly

80.7496, 85.9629, 99.5253



Tritanomaly

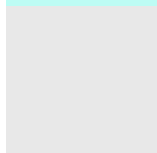
76.4055, 86.7520, 103.9846

Monochromacy



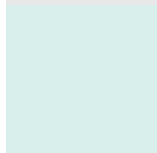
Original Color

72.1258, 86.9713, 98.5737



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.3257, 82.3881, 91.3420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1258, 86.9713, 98.5737 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, 252, 244)` looks like.

```
.text, #text, p{  
    color:rgb(189, 252, 244)  
}
```

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, 252, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 252, 244) }
```

Border

The CSS property to change the border of an element to XYZ 72.1258, 86.9713, 98.5737 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, 252, 244) }
```


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

```
.border{ border-color:rgb(189, 252, 244) }
```

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

Here you see how a box with a 4 pixel rgb(189, 252, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 252, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 252, 244);  
box-shadow:4px 4px 4px 4px rgb(189, 252,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1258, 86.9713, 98.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 252, 244) }
```

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

```
.background{ background-color: rgb(189,  
252, 244) }
```

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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