

Converting Colors

XYZ(51.1946, 72.2948, 73.4749)

Have a look what the booklet for
XYZ(51.1946, 72.2948, 73.4749)
contains.

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Color

**XYZ(51.1070, 72.1093,
73.5122)**

Conversions

Conversions Part 1

Format	Color
Hex	76F2D4
RGB	118, 242, 212
RGB Percent	46%, 95%, 83%
CMY	0.5372, 0.0510, 0.1686
CMYK	0.51, 0.00, 0.12, 0.05
HSL	165°, 83%, 71%
HSV	165°, 51%, 95%
XYZ	51.1070, 72.1093, 73.5122
YIQ	201.5040, -64.2740, -35.6180

Conversions

Conversions Part 2

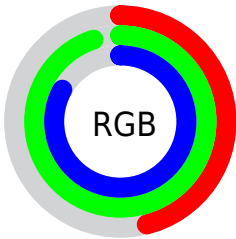
Format	Color
RYB	118, 189, 242
Decimal	7795412
CIELab	88.02, -41.78, 3.89
CIELCh	88, 41.964, 174.677
Yxy	72.1093, 0.2598, 0.3665
Android (android.graphics.Color)	4285985492 (0xFF76F2D4)
YUV	201.5040, 5.1745, -73.2330
Hunter-Lab	84.9172, -41.1757, 8.1151

Details

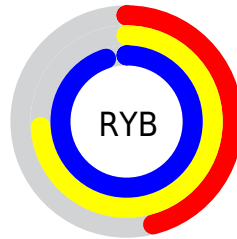
The XYZ color **51.1070, 72.1093, 73.5122** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.4441, 33.9741, 32.0240**, and the grayscale version is **55.8294, 58.7369, 63.9645**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **24.9030, 37.8891, 37.8991** is the 20% darker color. If you saturate the color by 10%, you get **47.5077, 70.3394, 69.5588**, and if you desaturate by 10%, it is **55.5800, 74.3301, 77.6495**.

Distribution



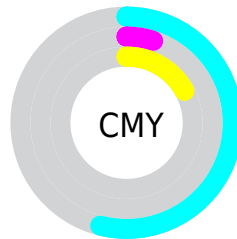
- Red (46%)
- Green (95%)
- Blue (83%)



- Red (46%)
- Yellow (74%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)





- Cyan (54%)
- Magenta (5%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1070, 72.1093, 73.5122 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 51.1070, 72.1093, 73.5122 by changing the saturation by 10% instead.


 51.1070, 72.1093,
73.5122


 51.1070, 72.1093,
73.5122


381.3602,
467.9219, 491.9064


 36.5152, 53.2480,
53.9005


 90.9950, 122.2119,
125.9317

 25.0043, 38.0008,
38.1295


 117.0218,
154.2220, 159.5766

 16.2090, 25.9833,
25.7806


 147.5910,
191.3838, 198.7364

 9.7639, 16.8111,
16.4353

183.0680,
234.0816, 243.8295

 5.3038, 10.0999,
9.6750

223.8180,
282.7000, 295.2745

 2.4632, 5.4653,
5.0812

270.2065,

 0.8767, 2.5227,

337.6232, 353.4900

2.2354

322.5987,
399.2357, 418.8944

■ 0.0000, 0.8880,
0.6947

■ 0.0000, 0.0000,
0.0000

■ 51.1070, 72.1093,
73.5122

■ 51.1070, 72.1093,
73.5122

■ 47.5077, 70.3394,
69.5588

■ 55.5800, 74.3301,
77.6495

■ 44.7100, 68.9779,
65.7797


■ 60.9799, 77.0238,
81.9699


■ 42.6400, 67.9885,
62.1716


■ 67.3624, 80.2209,
86.4791


■ 41.2067, 67.3243,
58.7286


■ 74.7773, 83.9471,
91.1806

 40.3476, 66.9444,
55.8409

 83.2709, 88.2261,
96.0781

 89.8026, 91.4905,
101.0306

 90.7213, 91.8579,
105.8686

 91.0434, 91.9868,
107.5645

Harmonies

Analogous

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



54.0050, 72.1093, 50.7659



51.1070, 72.1093, 73.5122



52.4963, 72.1093, 103.8456

Triad

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



51.1070, 72.1093, 73.5122



76.8901, 72.1093, 139.9966



80.2771, 72.1093, 41.5860

Complementary

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



51.1070, 72.1093, 73.5122



48.4441, 33.9741, 32.0240

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.



87.5534, 72.1093, 57.6795



51.1070, 72.1093, 73.5122



85.4684, 72.1093, 114.8854

Square

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



51.1070, 72.1093, 73.5122



66.7680, 72.1093, 147.1671



89.5396, 72.1093, 83.7393



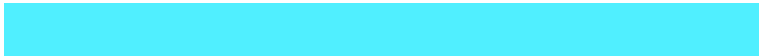
70.3385, 72.1093, 35.4311

Rectangle

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



51.1070, 72.1093, 73.5122



55.7443, 72.1093, 123.9898



89.5396, 72.1093, 83.7393



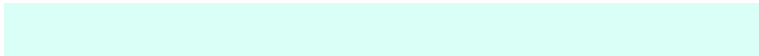
83.1525, 72.1093, 45.7897

Sweetspot

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



51.1090, 72.1122, 73.5139



80.8965, 92.8716, 100.6462



47.4188, 71.2048, 28.3855



16.9367, 19.6881, 21.3027



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.



51.1090, 72.1122, 73.5139



53.5267, 79.2268, 78.3653



46.7947, 56.8535, 92.5152



16.0743, 17.8598, 19.4143



21.7307, 35.9843, 30.2944



1.8464, 3.0090, 2.7237

Inverse Universe

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



48.4441, 33.9741, 32.0240



50.2661, 32.0778, 27.2416



50.6377, 41.6823, 22.5174



15.9296, 15.8215, 17.1854



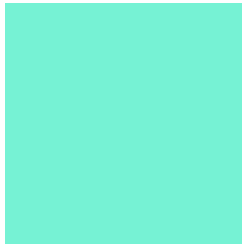
20.1341, 10.3261, 3.3567



1.7129, 0.8742, 0.4789

Previews

White Background



This preview shows how the XYZ color 51.1070, 72.1093, 73.5122 looks on a white background.

Color Contrast Check

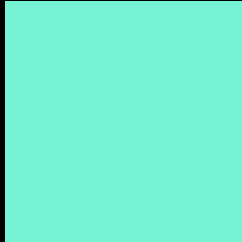
Large Text (above 18pt) WCAG AA × Fail

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 51.1070, 72.1093, 73.5122 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

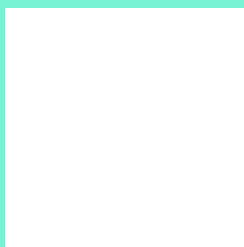
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1070, 72.1093, 73.5122

Background



This preview shows how black text looks on a background with the XYZ color 51.1070, 72.1093, 73.5122.



This preview shows how white text looks on a background with the XYZ color 51.1070, 72.1093,

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

51.1070, 72.1093, 73.5122

Protanopia

67.6352, 71.2805, 64.2266

Deuteranopia

72.4740, 70.8497, 76.1852



Tritanopia

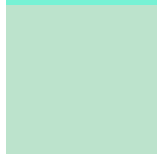
57.4055, 72.0362, 105.4865

Trichromacy



Original Color

51.1070, 72.1093, 73.5122



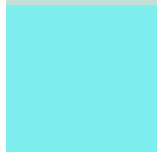
Protanomaly

59.1072, 69.9892, 67.5207



Deuteranomaly

61.5473, 69.4690, 75.1307



Tritanomaly

54.7587, 71.8167, 92.6373

Monochromacy



Original Color

51.1070, 72.1093, 73.5122



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.7480, 62.7399, 67.7224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1070, 72.1093, 73.5122 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(118, 242, 212)` looks like.

```
.text, #text, p{  
    color:rgb(118, 242, 212)  
}
```

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(118, 242, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 242, 212) }
```

Border

The CSS property to change the border of an element to XYZ 51.1070, 72.1093, 73.5122 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(118, 242, 212) }
```


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

```
.border{ border-color:rgb(118, 242, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 242, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 242, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 242, 212);  
box-shadow:4px 4px 4px 4px rgb(118, 242,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1070, 72.1093, 73.5122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 242, 212) }
```

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

```
.background{ background-color: rgb(118,  
242, 212) }
```

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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