

Converting Colors

XYZ(54.9717, 72.6629, 98.3073)

Have a look what the booklet for
XYZ(54.9717, 72.6629, 98.3073)
contains.

XYZ(54.9971, 72.6870, 98.3201)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(54.9971, 72.6870,
98.3201)**

Conversions

Conversions Part 1

Format	Color
Hex	74F0F6
RGB	116, 240, 246
RGB Percent	45%, 94%, 96%
CMY	0.5451, 0.0588, 0.0353
CMYK	0.53, 0.02, 0.00, 0.04
HSL	183°, 88%, 71%
HSV	183°, 53%, 96%
XYZ	54.9971, 72.6870, 98.3201
YIQ	203.6080, -75.8300, -24.4220

Conversions

Conversions Part 2

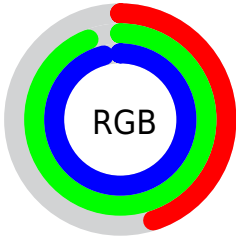
Format	Color
R_{YB}	116, 179, 246
Decimal	7663862
CIE _{Lab}	88.30, -32.91, -13.49
CIE _{LCh}	88, 35.568, 202.283
Yxy	72.6870, 0.2433, 0.3216
Android (android.graphics.Color)	4285853942 (0xFF74F0F6)
YUV	203.6080, 20.8993, -76.8322
Hunter-Lab	85.2567, -34.0530, -8.6950

Details

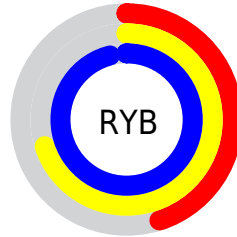
The XYZ color **54.9971, 72.6870, 98.3201** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.1194, 34.7743, 20.7008**, and the grayscale version is **57.0559, 60.0273, 65.3697**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **27.5615, 38.5795, 54.7091** is the 20% darker color. If you saturate the color by 10%, you get **51.8174, 70.5550, 98.0775**, and if you desaturate by 10%, it is **59.0489, 75.2750, 98.6074**.

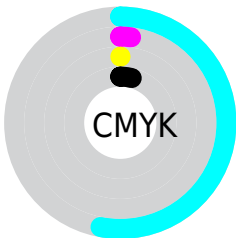
Distribution



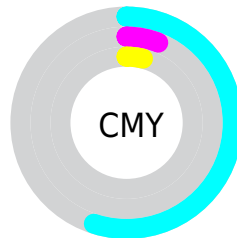
- Red (45%)
- Green (94%)
- Blue (96%)



- Red (45%)
- Yellow (70%)
- Blue (96%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)





- Cyan (55%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9971, 72.6870, 98.3201 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 54.9971, 72.6870, 98.3201 by changing the saturation by 10% instead.


 54.9971, 72.6870,
98.3201

 54.9971, 72.6870,
98.3201


396.0375,
469.9293, 575.9938


 39.6332, 53.7201,
74.2893


 96.6851, 123.0328,
160.8784

 27.4356, 38.3779,
54.5326

 123.7399,
155.1804, 200.2429

 18.0389, 26.2761,
38.6316

 155.4223,
192.4904, 245.5558

 11.0778, 17.0303,
26.1676

192.0979,
235.3471, 297.2355

 6.1869, 10.2561,
16.7222

234.1318,
284.1349, 355.7006

 3.0008, 5.5691,
9.8768

281.8895,

 1.1542, 2.5849,

339.2383, 421.3697

5.2128

335.7363,
401.0416, 494.6613

■ 0.0697, 0.9191,
2.3117

■ 0.0000, 0.0000,
0.7378

■ 54.9971, 72.6870,
98.3201

■ 54.9971, 72.6870,
98.3201

■ 51.8174, 70.5550,
98.0775

■ 59.0489, 75.2750,
98.6074

■ 49.4333, 68.8345,
97.8710


■ 64.0285, 78.3428,
98.9371


■ 47.7662, 67.4868,
97.6988


■ 69.9948, 81.9224,
99.3135

■ 46.7182, 66.4613,
97.5561


■ 76.9998, 86.0405,
99.7392


 46.2434, 65.8712,
97.4672

 85.0919, 90.7222,
100.2164

 91.0787, 94.3217,
100.5956

 91.4265, 95.0173,
100.7115

 91.7764, 95.7172,
100.8282

 92.1285, 96.4213,
100.9455

Harmonies

Analogous

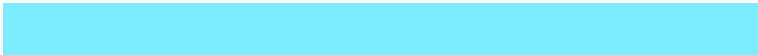
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.0780, 72.6870, 73.0036



54.9971, 72.6870, 98.3201



59.5328, 72.6870, 122.4089

Triad

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



54.9971, 72.6870, 98.3201



82.8871, 72.6870, 111.4904



71.3122, 72.6870, 41.1320

Complementary

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



54.9971, 72.6870, 98.3201



48.1194, 34.7743, 20.7008

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.



79.6119, 72.6870, 47.5037



54.9971, 72.6870, 98.3201



86.6436, 72.6870, 85.6189

Square

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



54.9971, 72.6870, 98.3201



75.4930, 72.6870, 131.0380



85.3982, 72.6870, 62.6386



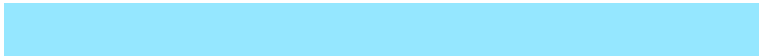
63.0537, 72.6870, 43.1564

Rectangle

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



54.9971, 72.6870, 98.3201



64.2158, 72.6870, 132.8372



85.3982, 72.6870, 62.6386



74.1981, 72.6870, 42.3079

Sweetspot

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



54.9993, 72.6898, 98.3218



81.0024, 91.8711, 108.0714



43.5703, 70.9903, 29.2836



16.9984, 19.4649, 23.1111



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.



54.9993, 72.6898, 98.3218



56.1429, 76.4999, 106.4147



39.4953, 41.6817, 93.1538



16.9274, 18.6190, 21.2442



24.7121, 35.2181, 52.0333



2.1918, 3.1351, 4.5798

Inverse Universe

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



59.9814, 38.3768, 86.6872



62.1533, 36.0796, 92.1603



58.5789, 55.6933, 24.1873



17.1787, 16.7543, 20.6874



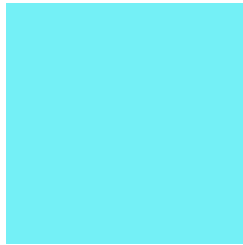
28.2781, 13.6547, 43.0341



2.4954, 1.2041, 3.8351

Previews

White Background



This preview shows how the XYZ color 54.9971, 72.6870, 98.3201 looks on a white background.

Color Contrast Check

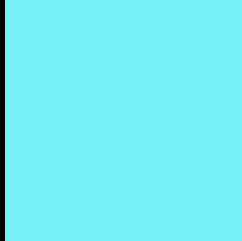
Large Text (above 18pt) WCAG AA × Fail

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 54.9971, 72.6870, 98.3201 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

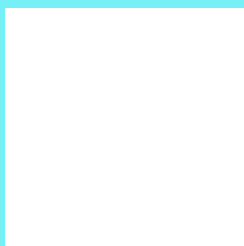
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.9971, 72.6870, 98.3201

Background



This preview shows how black text looks on a background with the XYZ color 54.9971, 72.6870, 98.3201.

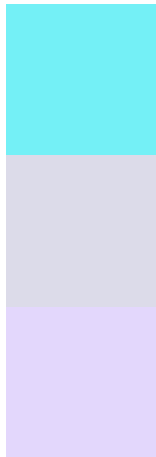


This preview shows how white text looks on a background with the XYZ color 54.9971, 72.6870,

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

54.9971, 72.6870, 98.3201

Protanopia

69.5547, 71.7619, 87.2763

Deuteranopia

73.5497, 71.9600, 102.1087



Tritanopia

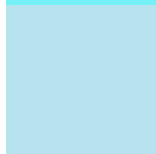
57.6943, 72.6137, 105.5828

Trichromacy



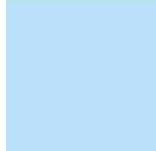
Original Color

54.9971, 72.6870, 98.3201



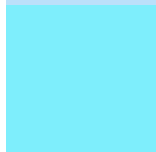
Protanomaly

62.1931, 71.0563, 91.3262



Deuteranomaly

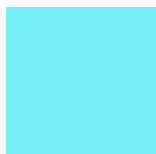
64.4045, 70.7782, 100.7096



Tritanomaly

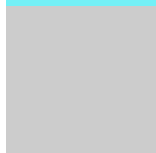
56.7494, 72.6130, 103.1202

Monochromacy



Original Color

54.9971, 72.6870, 98.3201



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.6123, 63.5108, 76.3983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9971, 72.6870, 98.3201 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(116, 240, 246)` looks like.

```
.text, #text, p{  
    color:rgb(116, 240, 246)  
}
```

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(116, 240, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 240, 246) }
```

Border

The CSS property to change the border of an element to XYZ 54.9971, 72.6870, 98.3201 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(116, 240, 246) }
```


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

```
.border{ border-color:rgb(116, 240, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 240, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 240, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 240, 246);  
box-shadow:4px 4px 4px 4px rgb(116, 240,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9971, 72.6870, 98.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 240, 246) }
```

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

```
.background{ background-color: rgb(116,  
240, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor