

Converting Colors

XYZ(49.8676, 72.6917, 98.5909)

Have a look what the booklet for
XYZ(49.8676, 72.6917, 98.5909)
contains.

XYZ(49.8788, 72.7141, 98.5951)	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(49.8788, 72.7141,
98.5951)**

Conversions

Conversions Part 1

Format	Color
Hex	14F6F6
RGB	20, 246, 246
RGB Percent	8%, 96%, 96%
CMY	0.9214, 0.0353, 0.0353
CMYK	0.92, 0.00, 0.00, 0.04
HSL	180°, 93%, 52%
HSV	180°, 92%, 96%
XYZ	49.8788, 72.7141, 98.5951
YIQ	178.4260, -134.6960, -47.9120

Conversions

Conversions Part 2

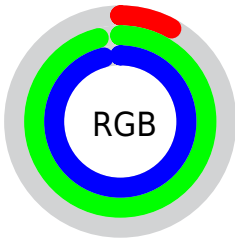
Format	Color
R _Y B	20, 133, 246
Decimal	1373942
CIE Lab	88.31, -46.32, -13.64
CIE LCh	88, 48.284, 196.415
Yxy	72.7141, 0.2255, 0.3287
Android (android.graphics.Color)	4279564022 (0xFF14F6F6)
YUV	178.4260, 33.3140, -138.9396
Hunter-Lab	85.2726, -44.8163, -8.8624

Details

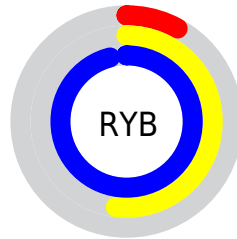
The XYZ color **49.8788, 72.7141, 98.5951** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **38.3848, 20.1459, 2.5293**, and the grayscale version is **42.4301, 44.6398, 48.6127**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **27.4919, 40.1129, 55.0088** is the 20% darker color. If you saturate the color by 10%, you get **49.5916, 72.5676, 98.5832**, and if you desaturate by 10%, it is **50.6582, 73.1175, 98.6334**.

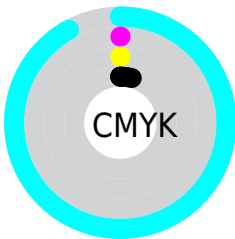
Distribution



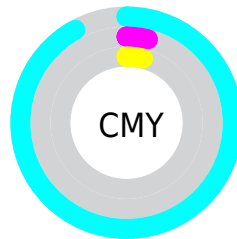
- Red (8%)
- Green (96%)
- Blue (96%)



- Red (8%)
- Yellow (52%)
- Blue (96%)



- Cyan (92%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)





- Cyan (92%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8788, 72.7141, 98.5951 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 49.8788, 72.7141, 98.5951 by changing the saturation by 10% instead.


 49.8788, 72.7141,
98.5951

 49.8788, 72.7141,
98.5951


376.6516,
470.0233, 576.8871

 35.5345, 53.7422,
74.5174


 89.1882, 123.0713,
161.2602

 24.2433, 38.3956,
54.7183


 114.8840,
155.2253, 200.6847

 15.6399, 26.2899,
38.7791


 145.0943,
192.5422, 246.0619

 9.3590, 17.0406,
26.2815

 180.1845,
235.4064, 297.8103

 5.0350, 10.2635,
16.8067

220.5200,
284.2022, 356.3485

 2.3028, 5.5740,
9.9362

266.4661,

 0.7961, 2.5878,

339.3140, 422.0950

5.2517

318.3882,
401.1263, 495.4684

■ 0.0000, 0.9205,
2.3344

■ 0.0000, 0.0000,
0.7504

■ 49.8788, 72.7141,
98.5951

■ 49.8788, 72.7141,
98.5951

■ 49.5916, 72.5676,
98.5832

■ 50.6582, 73.1175,
98.6334

■ 52.0632, 73.8418,
98.6993

■ 54.1918, 74.9391,
98.7991

■ 57.1234, 76.4504,
98.9365

60.9271, 78.4112,
99.1146

65.6646, 80.8535,
99.3365

71.3920, 83.8061,
99.6047

78.1611, 87.2957,
99.9217

86.0197, 91.3470,
100.2896

Harmonies

Analogous

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



49.6502, 72.7141, 65.1194



49.8788, 72.7141, 98.5951



54.8702, 72.7141, 134.9285

Triad

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



49.8788, 72.7141, 98.5951



86.5280, 72.7141, 131.7766



74.4757, 72.7141, 31.9579

Complementary

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



49.8788, 72.7141, 98.5951



38.3848, 20.1459, 2.5293

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.



85.6280, 72.7141, 41.3833



49.8788, 72.7141, 98.5951



93.0934, 72.7141, 95.1163

Square

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



49.8788, 72.7141, 98.5951



75.5975, 72.7141, 157.4474



92.7467, 72.7141, 62.4858



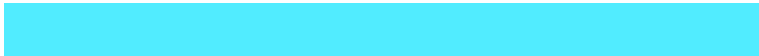
63.0095, 72.7141, 32.4050

Rectangle

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



49.8788, 72.7141, 98.5951



60.5810, 72.7141, 153.1731



92.7467, 72.7141, 62.4858



78.4097, 72.7141, 33.9321

Sweetspot

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



49.8810, 72.7168, 98.5969



73.4814, 88.8810, 107.8901



33.4556, 66.1562, 11.6699



15.1871, 18.7453, 23.0676



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.



49.8810, 72.7168, 98.5969



53.8096, 78.7399, 106.9682



25.8401, 24.6345, 90.5847



16.9968, 18.7578, 21.2673



26.4692, 38.7325, 52.6182



2.3264, 3.4042, 4.6246

Inverse Universe

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



38.3848, 20.1459, 2.5293



41.2400, 21.2600, 1.9301



46.0180, 35.4124, 5.0736



16.4992, 16.4825, 17.1094



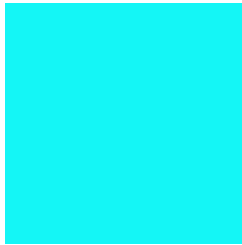
20.2862, 10.4579, 0.9494



1.7830, 0.9191, 0.0835

Previews

White Background



This preview shows how the XYZ color 49.8788, 72.7141, 98.5951 looks on a white background.

Color Contrast Check

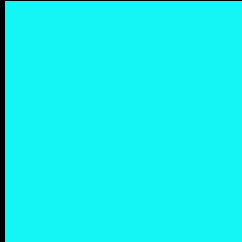
Large Text (above 18pt) WCAG AA × Fail

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 49.8788, 72.7141, 98.5951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

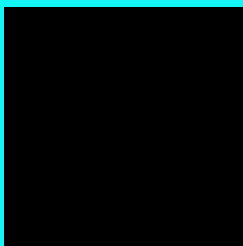
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

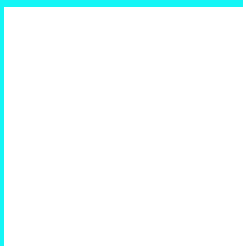
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8788, 72.7141, 98.5951

Background



This preview shows how black text looks on a background with the XYZ color 49.8788, 72.7141, 98.5951.

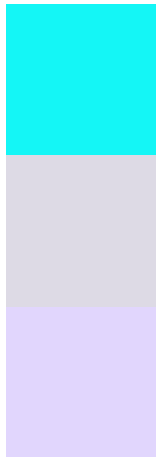


This preview shows how white text looks on a background with the XYZ color 49.8788, 72.7141,

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

49.8788, 72.7141, 98.5951

Protanopia

69.0331, 71.1721, 84.2279

Deuteranopia

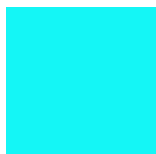
72.8275, 71.1925, 102.8316



Tritanopia

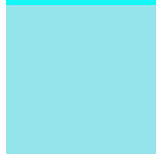
55.7266, 72.4637, 105.6575

Trichromacy



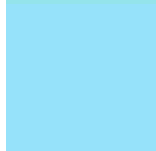
Original Color

49.8788, 72.7141, 98.5951



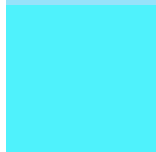
Protanomaly

54.9515, 67.7809, 88.7840



Deuteranomaly

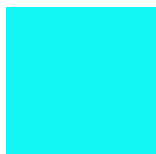
57.0294, 67.7789, 100.5193



Tritanomaly

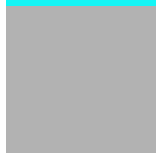
52.5473, 72.1948, 103.2609

Monochromacy



Original Color

49.8788, 72.7141, 98.5951



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.0206, 51.0886, 64.2517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8788, 72.7141, 98.5951 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(20, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(20, 246, 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(20, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 246, 246) }
```

Border

The CSS property to change the border of an element to XYZ 49.8788, 72.7141, 98.5951 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(20, 246, 246) }
```


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

```
.border{ border-color:rgb(20, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(20, 246,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8788, 72.7141, 98.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 246, 246) }
```

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

```
.background{ background-color: rgb(20, 246,  
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](#).

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