

Converting Colors

XYZ(49.5808, 73.2209, 96.4948)

Have a look what the booklet for
XYZ(49.5808, 73.2209, 96.4948)
contains.

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Color

**XYZ(49.4384, 72.9926,
96.2773)**

Conversions

Conversions Part 1

Format	Color
Hex	00F7F3
RGB	0, 247, 243
RGB Percent	0%, 97%, 95%
CMY	0.9997, 0.0314, 0.0471
CMYK	1.00, 0.00, 0.02, 0.03
HSL	179°, 100%, 48%
HSV	179°, 100%, 97%
XYZ	49.4384, 72.9926, 96.2773
YIQ	172.6910, -145.9280, -53.6080

Conversions

Conversions Part 2

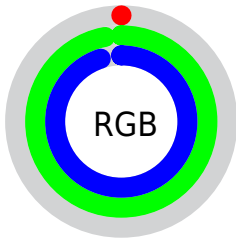
Format	Color
RYB	0, 125, 247
Decimal	63475
CIELab	88.44, -48.08, -11.89
CIELCh	88, 49.528, 193.887
Yxy	72.9926, 0.2260, 0.3337
Android (android.graphics.Color)	4278253555 (0xFF00F7F3)
YUV	172.6910, 34.6623, -151.4500
Hunter-Lab	85.4357, -46.2213, -7.0088

Details

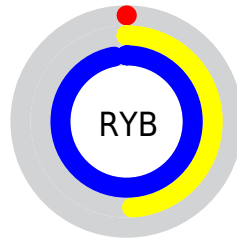
The XYZ color **49.4384, 72.9926, 96.2773** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **38.3820, 19.7851, 1.9128**, and the grayscale version is **39.4565, 41.5113, 45.2058**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.3831, 40.4148, 53.3713** is the 20% darker color. If you saturate the color by 10%, you get **49.4396, 72.9948, 96.2782**, and if you desaturate by 10%, it is **49.8955, 73.2228, 96.6163**.

Distribution



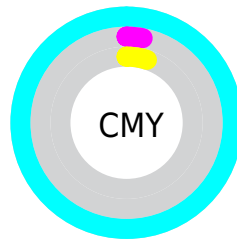
- Red (0%)
- Green (97%)
- Blue (95%)



- Red (0%)
- Yellow (49%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4384, 72.9926, 96.2773 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 49.4384, 72.9926, 96.2773 by changing the saturation by 10% instead.


 49.4384, 72.9926,
96.2773


 49.4384, 72.9926,
96.2773


374.9541,
470.9892, 569.3345


 35.1833, 53.9699,
72.5958


 88.5390, 123.4667,
158.0388

 23.9713, 38.5776,
53.1557


 114.1153,
155.6869, 196.9558

 15.4370, 26.4313,
37.5385


 144.1961,
193.0751, 241.7885

 9.2149, 17.1466,
25.3257

 179.1466,
236.0156, 292.9553

 4.9399, 10.3390,
16.0986

219.3323,
284.8929, 350.8747

 2.2464, 5.6243,
9.4389

265.1186,

 0.7670, 2.6180,

340.0913, 415.9654

4.9278

316.8707,
401.9953, 488.6458

■ 0.0000, 0.9357,
2.1470

■ 0.0000, 0.0000,
0.6435

■ 49.4384, 72.9926,
96.2773

■ 49.4384, 72.9926,
96.2773

■ 49.4396, 72.9948,
96.2782

■ 49.8955, 73.2228,
96.6163

■ 50.8502, 73.7080,
96.9776

■ 52.4587, 74.5302,
97.3702

■ 54.8138, 75.7372,
97.7984

■ 57.9936, 77.3694,
98.2659

■ 62.0662, 79.4619,
98.7759

■ 67.0928, 82.0461,
99.3313

■ 73.1292, 85.1509,
99.9345

■ 80.2267, 88.8026,
100.5882

Harmonies

Analogous

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



49.6223, 72.9926, 62.6306



49.4384, 72.9926, 96.2773



54.1487, 72.9926, 134.1557

Triad

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



49.4384, 72.9926, 96.2773



86.4922, 72.9926, 136.7258



75.9281, 72.9926, 31.6563

Complementary

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



49.4384, 72.9926, 96.2773



38.3820, 19.7851, 1.9128

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.



87.2228, 72.9926, 42.1329



49.4384, 72.9926, 96.2773



93.7823, 72.9926, 99.1009

Square

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



49.4384, 72.9926, 96.2773



75.0193, 72.9926, 161.6467



94.0641, 72.9926, 64.7537



64.0255, 72.9926, 31.3007

Rectangle

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



49.4384, 72.9926, 96.2773



59.7792, 72.9926, 154.0991



94.0641, 72.9926, 64.7537



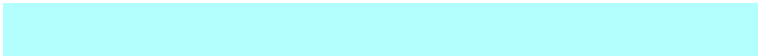
79.9514, 72.9926, 33.9381

Sweetspot

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



49.4406, 72.9953, 96.2791



72.0861, 88.1846, 106.7867



33.3146, 66.5509, 11.0916



14.9140, 18.6101, 22.8015



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.



49.4406, 72.9953, 96.2791



53.1517, 78.4767, 103.5034



24.4635, 22.0633, 90.9679



16.9844, 18.7529, 21.2024



26.1516, 38.6055, 50.9457



2.3021, 3.3945, 4.4969

Inverse Universe

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



38.3820, 19.7851, 1.9128



41.2626, 21.2691, 2.0492



45.0062, 33.0686, 4.0127



16.5100, 16.4869, 17.1665



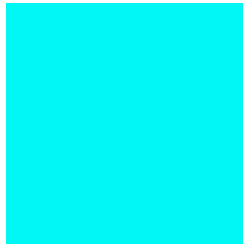
20.3027, 10.4645, 1.0364



1.7882, 0.9212, 0.1109

Previews

White Background



This preview shows how the XYZ color 49.4384, 72.9926, 96.2773 looks on a white background.

Color Contrast Check

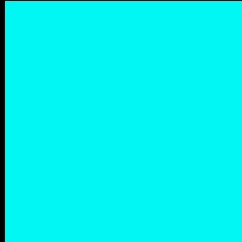
Large Text (above 18pt) WCAG AA × Fail

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 49.4384, 72.9926, 96.2773 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 49.4384, 72.9926, 96.2773

Background



This preview shows how black text looks on a background with the XYZ color 49.4384, 72.9926, 96.2773.

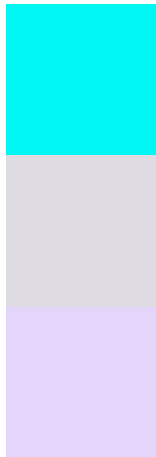


This preview shows how white text looks on a background with the XYZ color 49.4384, 72.9926,

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

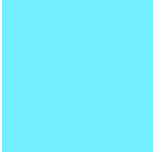
49.4384, 72.9926, 96.2773

Protanopia

69.1832, 71.6836, 82.1415

Deuteranopia

72.9804, 71.3262, 100.3633



Tritanopia

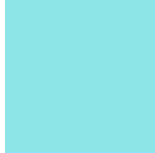
56.1190, 72.6660, 105.6759

Trichromacy



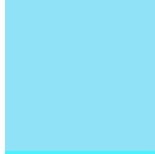
Original Color

49.4384, 72.9926, 96.2773



Protanomaly

53.5693, 67.5275, 86.5546



Deuteranomaly

55.4865, 67.0374, 98.0108



Tritanomaly

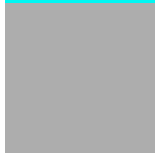
51.9888, 71.9251, 102.4096

Monochromacy



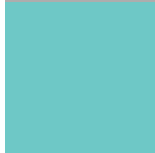
Original Color

49.4384, 72.9926, 96.2773



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.2777, 48.7008, 60.8615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4384, 72.9926, 96.2773 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(0, 247, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 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(0, 247, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 243) }
```

Border

The CSS property to change the border of an element to XYZ 49.4384, 72.9926, 96.2773 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(0, 247, 243) }
```


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

```
.border{ border-color:rgb(0, 247, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4384, 72.9926, 96.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 243) }
```

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

```
.background{ background-color: rgb(0, 247,  
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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