

# Converting Colors

XYZ(37.4512, 67.2785, 92.1348)

Have a look what the booklet for  
XYZ(37.4512, 67.2785, 92.1348)  
contains.

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# Color

**XYZ(49.0000, 73.3078,  
92.4562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F8EE
RGB	0, 248, 238
RGB Percent	0%, 97%, 93%
CMY	0.9997, 0.0274, 0.0667
CMYK	1.00, 0.00, 0.04, 0.03
HSL	178°, 100%, 49%
HSV	178°, 100%, 97%
XYZ	49.0000, 73.3078, 92.4562
YIQ	172.7080, -144.5980, -55.6860

# Conversions

## Conversions Part 2

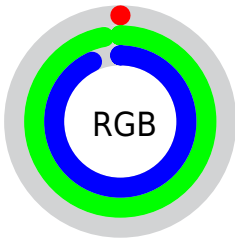
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 127, 248
Decimal	63726
CIELab	88.59, -49.92, -9.05
CIELCh	89, 50.734, 190.280
Yxy	73.3078, 0.2282, 0.3413
Android (android.graphics.Color)	4278253806 (0xFF00F8EE)
YUV	172.7080, 32.1890, -151.4649
Hunter-Lab	85.6200, -47.6801, -4.0900

# Details

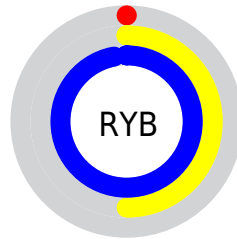
The XYZ color **49.0000, 73.3078, 92.4562** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **38.7685, 19.9806, 2.1024**, and the grayscale version is **39.4767, 41.5326, 45.2290**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **27.0743, 40.6390, 50.6731** is the 20% darker color. If you saturate the color by 10%, you get **49.0010, 73.3100, 92.4559**, and if you desaturate by 10%, it is **49.5464, 73.5741, 93.2529**.

# Distribution



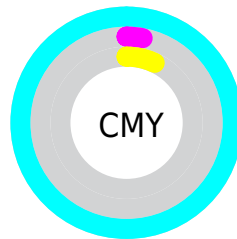
- Red (0%)
- Green (97%)
- Blue (93%)



- Red (0%)
- Yellow (50%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0000, 73.3078, 92.4562 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 49.0000, 73.3078, 92.4562 by changing the saturation by 10% instead.





 49.0000, 73.3078,  
92.4562


 49.0000, 73.3078,  
92.4562


373.2593,  
472.0809, 556.7637

 34.8340, 54.2277,  
69.4345


 87.8922, 123.9141,  
152.7107


 23.7010, 38.7837,  
50.5917


 113.3491,  
156.2090, 190.7805


 15.2355, 26.5915,  
35.5093


 143.3003,  
193.6777, 234.7035

 9.0722, 17.2667,  
23.7687

 178.1113,  
236.7045, 284.8981

 4.8458, 10.4248,  
14.9516

 218.1473,  
285.6738, 341.7828

 2.1909, 5.6815,  
8.6391

263.7737,

 0.7379, 2.6524,

340.9701, 405.7764

4.4130

315.3559,  
402.9776, 477.2971

■ 0.0000, 0.9531,  
1.8545

■ 0.0000, 0.0000,  
0.4636

■ 49.0000, 73.3078,  
92.4562

■ 49.0000, 73.3078,  
92.4562

■ 49.0010, 73.3100,  
92.4559

■ 49.5464, 73.5741,  
93.2529

■ 50.5961, 74.0981,  
94.0758

■ 52.3062, 74.9625,  
94.9339

■ 54.7708, 76.2157,  
95.8316

■ 58.0687, 77.8984,  
96.7725

■ 62.2686, 80.0460,  
97.7600

■ 67.4323, 82.6904,  
98.7969

■ 73.6162, 85.8606,  
99.8858

■ 80.8722, 89.5834,  
101.0292

# Harmonies

## Analogous

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



49.7965, 73.3078, 59.1784



49.0000, 73.3078, 92.4562



53.2282, 73.3078, 131.7769

# Triad

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



49.0000, 73.3078, 92.4562



86.0182, 73.3078, 143.0328



77.9190, 73.3078, 31.7154

# Complementary

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



49.0000, 73.3078, 92.4562



38.7685, 19.9806, 2.1024

# 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.



89.2067, 73.3078, 43.7067



49.0000, 73.3078, 92.4562



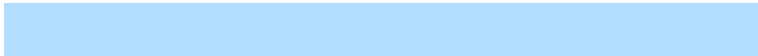
94.2486, 73.3078, 104.7766

# Square

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



49.0000, 73.3078, 92.4562



73.9597, 73.3078, 166.1472



95.4792, 73.3078, 68.3905



65.5626, 73.3078, 30.1898



# Rectangle

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



49.0000, 73.3078, 92.4562



58.6539, 73.3078, 153.7841



95.4792, 73.3078, 68.3905



82.0010, 73.3078, 34.4442

# Sweetspot

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



49.0022, 73.3105, 92.4580



71.7921, 88.0671, 105.2388



33.7270, 67.2187, 11.1988



14.8423, 18.5815, 22.4242



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.



49.0022, 73.3105, 92.4580



52.1977, 78.0951, 98.4797



25.8097, 24.5080, 92.1800



17.7338, 19.5958, 22.0647



26.4826, 39.6061, 50.0123



2.4619, 3.6719, 4.6802



# Inverse Universe

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



38.7685, 19.9806, 2.1024



41.2964, 21.2825, 2.2268



44.4673, 31.4658, 3.7317



17.2730, 17.2366, 18.0273



20.9536, 10.7972, 1.1983

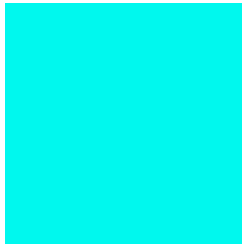


1.9503, 1.0039, 0.1619



# Previews

## White Background



This preview shows how the XYZ color 49.0000, 73.3078, 92.4562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

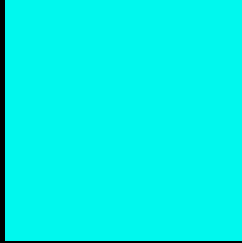
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.0000, 73.3078, 92.4562 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

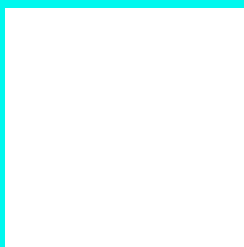
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 49.0000, 73.3078, 92.4562

## Background



This preview shows how black text looks on a background with the XYZ color 49.0000, 73.3078, 92.4562.



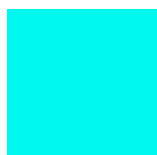
This preview shows how white text looks on a background with the XYZ color 49.0000, 73.3078,



# Color Blindness Simulation

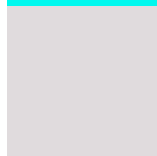
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



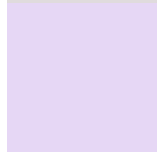
### Original Color

49.0000, 73.3078, 92.4562



### Protanopia

69.1231, 71.7308, 78.6089



### Deuteranopia

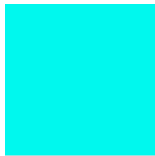
73.4150, 72.0164, 96.4174



## Tritanopia

56.5243, 72.8749, 105.6949

# Trichromacy



## Original Color

49.0000, 73.3078, 92.4562



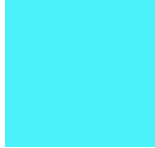
## Protanomaly

53.4896, 67.9793, 82.9752



## Deuteranomaly

55.3502, 67.4600, 94.1082



## Tritanomaly

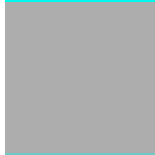
51.8315, 71.8803, 100.7650

# Monochromacy



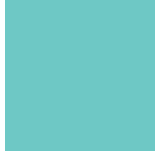
## Original Color

49.0000, 73.3078, 92.4562



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

37.1627, 48.6548, 60.2560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.0000, 73.3078, 92.4562 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, 248, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 238)  
}
```

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, 248, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 49.0000, 73.3078, 92.4562 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, 248, 238) }
```



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

```
.border{ border-color:rgb(0, 248, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 248, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.0000, 73.3078, 92.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 238) }
```

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

```
.background{ background-color: rgb(0, 248,  
238) }
```

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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