

Converting Colors

XYZ(37.7593, 55.7594, 73.4983)

Have a look what the booklet for
XYZ(37.7593, 55.7594, 73.4983)
contains.

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Color

**XYZ(37.7262, 55.6209,
73.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBD8
RGB	0, 219, 216
RGB Percent	0%, 86%, 85%
CMY	0.9998, 0.1412, 0.1529
CMYK	1.00, 0.00, 0.01, 0.14
HSL	179°, 100%, 43%
HSV	179°, 100%, 86%
XYZ	37.7262, 55.6209, 73.7133
YIQ	153.1770, -129.5610, -47.3610

Conversions

Conversions Part 2

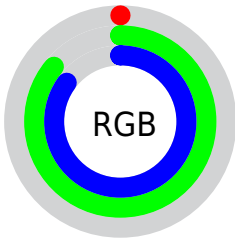
Format	Color
RYB	0, 110, 219
Decimal	56280
CIELab	79.40, -43.74, -11.14
CIELCh	79, 45.136, 194.283
Yxy	55.6209, 0.2258, 0.3329
Android (android.graphics.Color)	4278246360 (0xFF00DBD8)
YUV	153.1770, 30.9717, -134.3362
Hunter-Lab	74.5794, -40.2193, -6.3958

Details

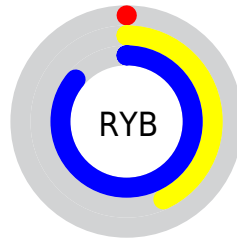
The XYZ color **37.7262, 55.6209, 73.7133** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.2317, 15.0684, 1.4555**, and the grayscale version is **30.2727, 31.8492, 34.6838**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.5302, 28.7676, 38.2416** is the 20% darker color. If you saturate the color by 10%, you get **37.7271, 55.6226, 73.7141**, and if you desaturate by 10%, it is **38.0959, 55.8082, 73.9347**.

Distribution



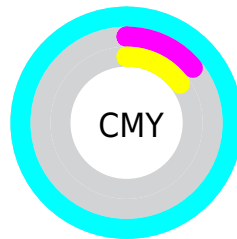
- Red (0%)
- Green (86%)
- Blue (85%)



- Red (0%)
- Yellow (43%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7262, 55.6209, 73.7133 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 37.7262, 55.6209, 73.7133 by changing the saturation by 10% instead.


 37.7262, 55.6209,
73.7133


 37.7262, 55.6209,
73.7133


327.7452,
408.2613, 492.6202

 25.9465, 39.8991,
54.0641


 70.9949, 98.4501,
126.2196


 16.9161, 27.4598,
38.2593


 93.2146, 126.3262,
159.9137

 10.2696, 17.9189,
25.8806


 119.6450,
159.0225, 199.1265

 5.6417, 10.8918,
16.5094

 150.6515,
196.9235, 244.2766

 2.6670, 5.9941,
9.7271

 186.5994,
240.4134, 295.7825

 0.9802, 2.8415,
5.1152

227.8541,

 0.0000, 1.0495,

289.8768, 354.0627

2.2551

274.7809,
345.6979, 419.5357

■ 0.0000, 0.0000,
0.7059

■ 0.0000, 0.0000,
0.0000

■ 37.7262, 55.6209,
73.7133

■ 37.7262, 55.6209,
73.7133

■ 37.7271, 55.6226,
73.7141

■ 38.0959, 55.8082,
73.9347

■ 38.8375, 56.1860,
74.1726

■ 40.0743, 56.8191,
74.4340

■ 41.8750, 57.7429,
74.7223

■ 44.2974, 58.9872,
75.0399

■ 47.3922, 60.5781,
75.3895

■ 51.2049, 62.5390,
75.7729

■ 55.7768, 64.8914,
76.1923

■ 61.1465, 67.6550,
76.6494

Harmonies

Analogous

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



37.8164, 55.6209, 48.0347



37.7262, 55.6209, 73.7133



41.3566, 55.6209, 102.4678

Triad

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



37.7262, 55.6209, 73.7133



65.9762, 55.6209, 103.7266



57.7236, 55.6209, 24.1297

Complementary

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



37.7262, 55.6209, 73.7133



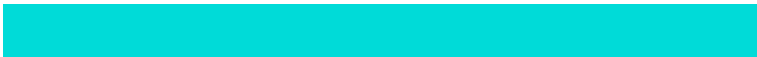
29.2317, 15.0684, 1.4555

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.



66.3342, 55.6209, 31.9949



37.7262, 55.6209, 73.7133



71.4570, 55.6209, 75.0968

Square

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



37.7262, 55.6209, 73.7133



57.2782, 55.6209, 122.8665



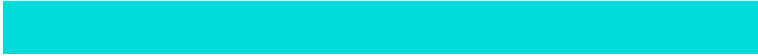
71.5950, 55.6209, 49.0755



48.6864, 55.6209, 23.9552

Rectangle

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



37.7262, 55.6209, 73.7133



45.6658, 55.6209, 117.5016



71.5950, 55.6209, 49.0755



60.7858, 55.6209, 25.8330

Sweetspot

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



37.7279, 55.6230, 73.7146



72.1166, 88.1969, 106.9478



25.3790, 50.6887, 8.4478



14.9214, 18.6131, 22.8408



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.



37.7279, 55.6230, 73.7146



53.2522, 78.5169, 104.0326



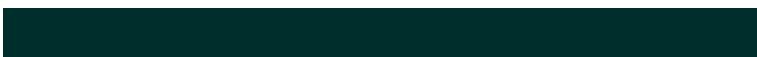
18.7122, 16.9649, 69.3083



13.4368, 14.8263, 16.7630



22.3733, 32.9819, 43.7265



1.4520, 2.1377, 2.8461

Inverse Universe

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



29.2317, 15.0684, 1.4555



41.2592, 21.2677, 2.0309



34.3562, 25.3439, 3.0826



13.0633, 13.0544, 13.5944



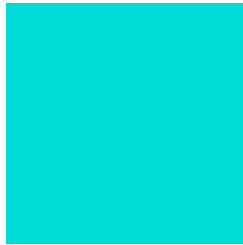
17.3352, 8.9351, 0.8792



1.1257, 0.5799, 0.0707

Previews

White Background



This preview shows how the XYZ color 37.7262, 55.6209, 73.7133 looks on a white background.

Color Contrast Check

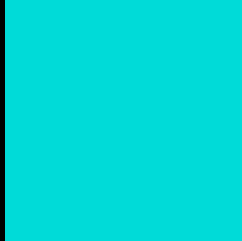
Large Text (above 18pt) WCAG AA × Fail

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 37.7262, 55.6209, 73.7133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

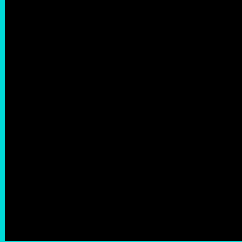
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

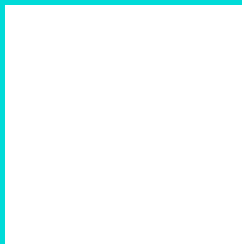
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7262, 55.6209, 73.7133

Background



This preview shows how black text looks on a background with the XYZ color 37.7262, 55.6209, 73.7133.

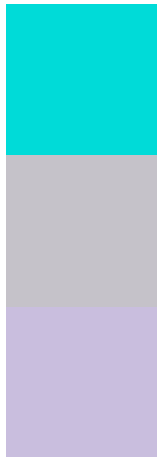


This preview shows how white text looks on a background with the XYZ color 37.7262, 55.6209,

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

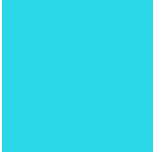
37.7262, 55.6209, 73.7133

Protanopia

52.8604, 54.6709, 63.0248

Deuteranopia

55.6857, 54.5183, 76.6954



Tritanopia

40.3620, 55.5445, 86.4358

Trichromacy



Original Color

37.7262, 55.6209, 73.7133



Protanomaly

40.9540, 51.5281, 66.1799



Deuteranomaly

42.7070, 51.5298, 75.4055



Tritanomaly

39.1300, 55.4048, 81.3049

Monochromacy



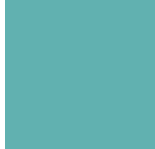
Original Color

37.7262, 55.6209, 73.7133



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.4884, 37.1203, 46.7377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7262, 55.6209, 73.7133 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, 219, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 216)  
}
```

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, 219, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 216) }
```

Border

The CSS property to change the border of an element to XYZ 37.7262, 55.6209, 73.7133 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, 219, 216) }
```


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

```
.border{ border-color:rgb(0, 219, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7262, 55.6209, 73.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 216) }
```

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

```
.background{ background-color: rgb(0, 219,  
216) }
```

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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