

Converting Colors

XYZ(32.4610, 53.0171, 74.0007)

Have a look what the booklet for
XYZ(32.4610, 53.0171, 74.0007)
contains.

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Color

**XYZ(37.8559, 55.6728,
74.3964)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBD9
RGB	0, 219, 217
RGB Percent	0%, 86%, 85%
CMY	0.9998, 0.1412, 0.1490
CMYK	1.00, 0.00, 0.01, 0.14
HSL	179°, 100%, 43%
HSV	179°, 100%, 86%
XYZ	37.8559, 55.6728, 74.3964
YIQ	153.2910, -129.8820, -47.0500

Conversions

Conversions Part 2

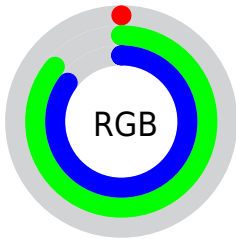
Format	Color
RYB	0, 110, 219
Decimal	56281
CIELab	79.43, -43.45, -11.62
CIELCh	79, 44.976, 194.979
Yxy	55.6728, 0.2254, 0.3315
Android (android.graphics.Color)	4278246361 (0xFF00DBD9)
YUV	153.2910, 31.4085, -134.4362
Hunter-Lab	74.6142, -40.0120, -6.8870

Details

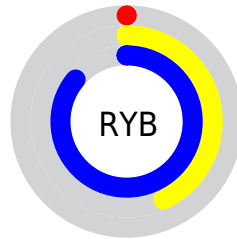
The XYZ color **37.8559, 55.6728, 74.3964** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.2262, 15.0662, 1.4266**, and the grayscale version is **30.3203, 31.8993, 34.7383**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.6188, 28.8030, 38.7079** is the 20% darker color. If you saturate the color by 10%, you get **37.8569, 55.6745, 74.3974**, and if you desaturate by 10%, it is **38.2128, 55.8550, 74.5504**.

Distribution



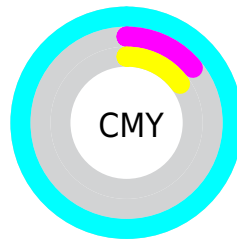
- Red (0%)
- Green (86%)
- Blue (85%)



- 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 37.8559, 55.6728, 74.3964 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 37.8559, 55.6728, 74.3964 by changing the saturation by 10% instead.


 37.8559, 55.6728,
74.3964


 37.8559, 55.6728,
74.3964


328.2930,
408.4572, 495.0403


 26.0476, 39.9406,
54.6198


 71.1925, 98.5260,
127.1968

 16.9921, 27.4923,
38.7009


 93.4516, 126.4159,
161.0577


 10.3241, 17.9433,
26.2210


 119.9249,
159.1271, 200.4504

 5.6783, 10.9093,
16.7618

 150.9778,
197.0440, 245.7934

 2.6893, 6.0059,
9.9047

 186.9757,
240.5511, 297.5054

 0.9917, 2.8486,
5.2310

228.2840,

 0.0000, 1.0532,

290.0328, 356.0049

2.3223

275.2680,
345.8733, 421.7103

■ 0.0000, 0.0000,
0.7437

■ 0.0000, 0.0000,
0.0000

■ 37.8559, 55.6728,
74.3964

■ 37.8559, 55.6728,
74.3964

■ 37.8569, 55.6745,
74.3974

■ 38.2128, 55.8550,
74.5504

■ 38.9415, 56.2276,
74.7207

■ 40.1653, 56.8555,
74.9143

■ 41.9531, 57.7741,
75.1345

■ 44.3625, 59.0132,
75.3840

■ 47.4442, 60.5988,
75.6651

■ 51.2438, 62.5545,
75.9799

■ 55.8026, 64.9017,
76.3305

■ 61.1590, 67.6600,
76.7185

Harmonies

Analogous

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



37.8585, 55.6728, 48.6254



37.8559, 55.6728, 74.3964



41.5620, 55.6728, 102.9844

Triad

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



37.8559, 55.6728, 74.3964



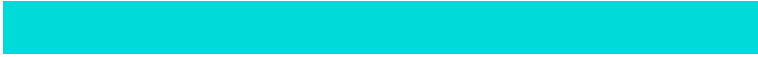
66.1576, 55.6728, 103.0210



57.5428, 55.6728, 24.1655

Complementary

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



37.8559, 55.6728, 74.3964



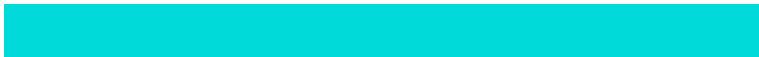
29.2262, 15.0662, 1.4266

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.



66.1680, 55.6728, 31.8316



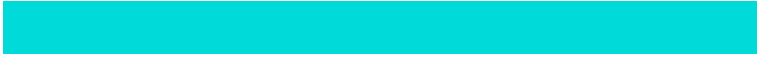
37.8559, 55.6728, 74.3964



71.5132, 55.6728, 74.4366

Square

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



37.8559, 55.6728, 74.3964



57.5298, 55.6728, 122.4393



71.5172, 55.6728, 48.6557



48.5544, 55.6728, 24.1605

Rectangle

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



37.8559, 55.6728, 74.3964



45.9080, 55.6728, 117.7451



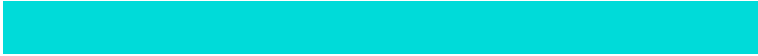
71.5172, 55.6728, 48.6557



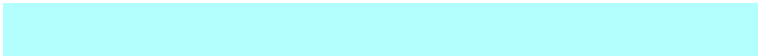
60.6017, 55.6728, 25.8084

Sweetspot

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



37.8576, 55.6749, 74.3977



72.1726, 88.2193, 107.2427



25.3790, 50.6887, 8.4478



14.9351, 18.6186, 22.9127



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.



37.8576, 55.6749, 74.3977



53.4369, 78.5908, 105.0053



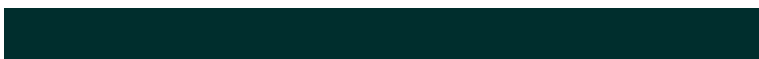
18.7121, 16.9646, 69.3083



13.4395, 14.8274, 16.7773



22.4490, 33.0122, 44.1254



1.4561, 2.1394, 2.8676

Inverse Universe

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



29.2262, 15.0662, 1.4266



41.2528, 21.2651, 1.9973



34.3561, 25.3436, 3.0825



13.0609, 13.0534, 13.5818



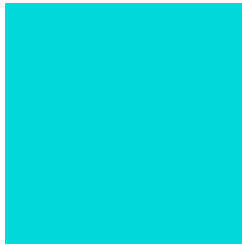
17.3309, 8.9334, 0.8564



1.1245, 0.5794, 0.0646

Previews

White Background



This preview shows how the XYZ color 37.8559, 55.6728, 74.3964 looks on a white background.

Color Contrast Check

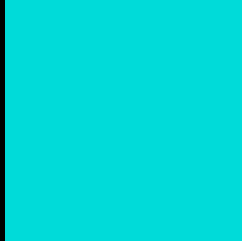
Large Text (above 18pt) WCAG AA × Fail

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 37.8559, 55.6728, 74.3964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

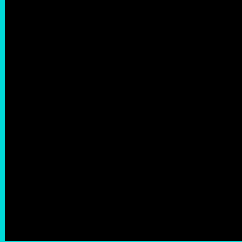
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

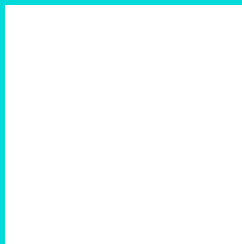
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8559, 55.6728, 74.3964

Background



This preview shows how black text looks on a background with the XYZ color 37.8559, 55.6728, 74.3964.

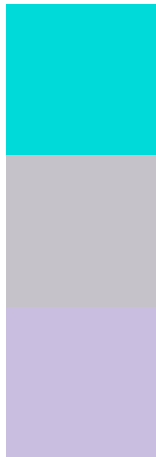


This preview shows how white text looks on a background with the XYZ color 37.8559, 55.6728,

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

37.8559, 55.6728, 74.3964

Protanopia

52.9784, 54.7182, 63.6465

Deuteranopia

55.8201, 54.5721, 77.4035



Tritanopia

40.3620, 55.5445, 86.4358

Trichromacy



Original Color

37.8559, 55.6728, 74.3964



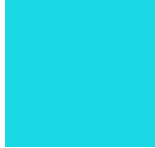
Protanomaly

41.0759, 51.5768, 66.8219



Deuteranomaly

42.8399, 51.5829, 76.1052



Tritanomaly

39.2684, 55.4602, 82.0340

Monochromacy



Original Color

37.8559, 55.6728, 74.3964



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 37.8559, 55.6728, 74.3964 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 217) }
```

Border

The CSS property to change the border of an element to XYZ 37.8559, 55.6728, 74.3964 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, 217) }
```


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

```
.border{ border-color:rgb(0, 219, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8559, 55.6728, 74.3964 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, 217) }
```

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

```
.background{ background-color: rgb(0, 219,  
217) }
```

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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