

Converting Colors

XYZ(37.3480, 55.4694, 71.7197)

Have a look what the booklet for
XYZ(37.3480, 55.4694, 71.7197)
contains.

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Color

**XYZ(37.3418, 55.4671,
71.6889)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBD5
RGB	0, 219, 213
RGB Percent	0%, 86%, 84%
CMY	0.9998, 0.1412, 0.1647
CMYK	1.00, 0.00, 0.03, 0.14
HSL	178°, 100%, 43%
HSV	178°, 100%, 86%
XYZ	37.3418, 55.4671, 71.6889
YIQ	152.8350, -128.5980, -48.2940

Conversions

Conversions Part 2

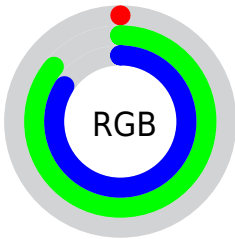
Format	Color
RYB	0, 111, 219
Decimal	56277
CIELab	79.31, -44.61, -9.66
CIELCh	79, 45.649, 192.223
Yxy	55.4671, 0.2270, 0.3372
Android (android.graphics.Color)	4278246357 (0xFF00DBD5)
YUV	152.8350, 29.6613, -134.0363
Hunter-Lab	74.4762, -40.8349, -4.9377

Details

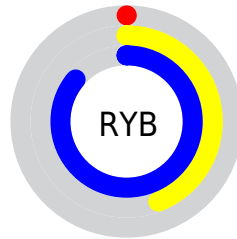
The XYZ color **37.3418, 55.4671, 71.6889** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.2481, 15.0751, 1.5422**, and the grayscale version is **30.1297, 31.6988, 34.5200**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.2687, 28.6630, 36.8647** is the 20% darker color. If you saturate the color by 10%, you get **37.3426, 55.4687, 71.6892**, and if you desaturate by 10%, it is **37.7490, 55.6694, 72.1078**.

Distribution



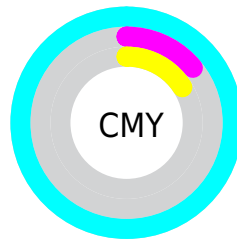
- Red (0%)
- Green (86%)
- Blue (84%)



- Red (0%)
- Yellow (44%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)



- Cyan (100%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3418, 55.4671, 71.6889 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 37.3418, 55.4671, 71.6889 by changing the saturation by 10% instead.

37.3418, 55.4671,
71.6889

37.3418, 55.4671,
71.6889

326.1179,
407.6801, 485.4065

25.6471, 39.7758,
52.4193

70.4086, 98.2250,
123.3177

16.6911, 27.3638,
36.9549

92.5114, 126.0604,
156.5140

10.1085, 17.8466,
24.8770

118.8143,
158.7126, 195.1897

5.5337, 10.8399,
15.7673

149.6827,
196.5661, 239.7631

2.6016, 5.9593,
9.2071

185.4819,
240.0052, 290.6530

0.9468, 2.8204,
4.7778

226.5772,

0.0000, 1.0387,

289.4143, 348.2778

2.0611

273.3341,
345.1778, 413.0561

■ 0.0000, 0.0000,
0.5924

■ 0.0000, 0.0000,
0.0000

■ 37.3418, 55.4671,
71.6889

■ 37.3418, 55.4671,
71.6889

■ 37.3426, 55.4687,
71.6892

■ 37.7490, 55.6694,
72.1078

■ 38.5283, 56.0623,
72.5442

■ 39.8032, 56.7106,
73.0054

■ 41.6421, 57.6497,
73.4944

■ 44.1030, 58.9094,
74.0140

■ 47.2364, 60.5158,
74.5666

■ 51.0880, 62.4923,
75.1542

■ 55.6990, 64.8603,
75.7789

■ 61.1080, 67.6397,
76.4424

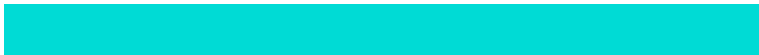
Harmonies

Analogous

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



37.6931, 55.4671, 46.2938



37.3418, 55.4671, 71.6889



40.7470, 55.4671, 100.9243

Triad

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



37.3418, 55.4671, 71.6889



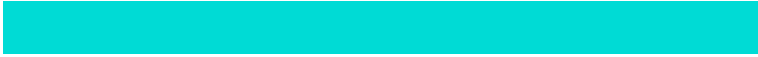
65.4337, 55.4671, 105.8594



58.2696, 55.4671, 24.0268

Complementary

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



37.3418, 55.4671, 71.6889



29.2481, 15.0751, 1.5422

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.



66.8344, 55.4671, 32.4923



37.3418, 55.4671, 71.6889



71.2880, 55.4671, 77.1013

Square

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



37.3418, 55.4671, 71.6889



56.5287, 55.4671, 124.1477



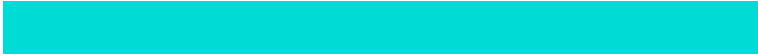
71.8283, 55.4671, 50.3529



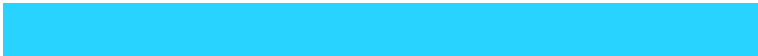
49.0860, 55.4671, 23.3504

Rectangle

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



37.3418, 55.4671, 71.6889



44.9465, 55.4671, 116.7669



71.8283, 55.4671, 50.3529



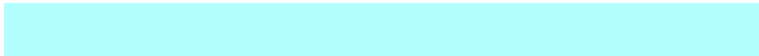
61.3414, 55.4671, 25.9113

Sweetspot

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



37.3435, 55.4692, 71.6902



71.9492, 88.1299, 106.0662



25.4247, 50.7122, 8.4501



14.8806, 18.5968, 22.6258



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.



37.3435, 55.4692, 71.6902



52.7049, 78.2979, 101.1504



19.1286, 17.7976, 69.4470



13.4287, 14.8231, 16.7202



22.1487, 32.8921, 42.5440



1.4399, 2.1329, 2.7824

Inverse Universe

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



29.2481, 15.0751, 1.5422



41.2783, 21.2753, 2.1317



33.9888, 24.6090, 2.9602



13.0704, 13.0573, 13.6322



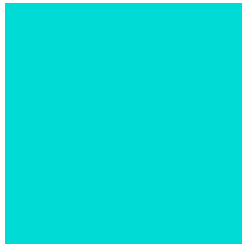
17.3482, 8.9403, 0.9478



1.1291, 0.5813, 0.0888

Previews

White Background



This preview shows how the XYZ color 37.3418, 55.4671, 71.6889 looks on a white background.

Color Contrast Check

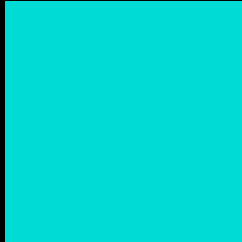
Large Text (above 18pt) WCAG AA × Fail

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 37.3418, 55.4671, 71.6889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

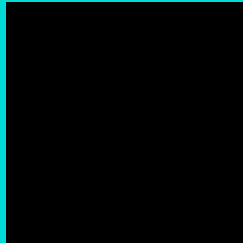
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

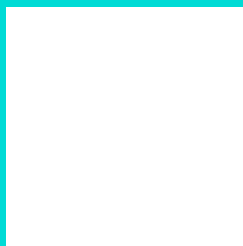
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3418, 55.4671, 71.6889

Background



This preview shows how black text looks on a background with the XYZ color 37.3418, 55.4671, 71.6889.

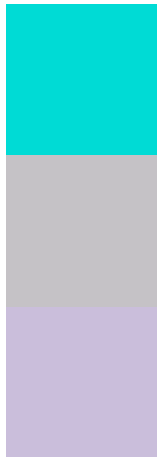


This preview shows how white text looks on a background with the XYZ color 37.3418, 55.4671,

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

37.3418, 55.4671, 71.6889

Protanopia

52.5108, 54.5311, 61.1840

Deuteranopia

55.5568, 54.4979, 74.6088



Tritanopia

40.3460, 55.5528, 85.6871

Trichromacy



Original Color

37.3418, 55.4671, 71.6889



Protanomaly

40.5929, 51.3836, 64.2785



Deuteranomaly

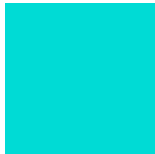
42.4643, 51.4502, 73.3384



Tritanomaly

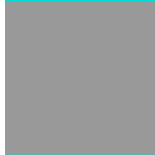
39.0470, 55.3779, 80.5825

Monochromacy



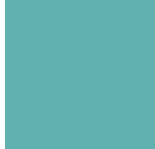
Original Color

37.3418, 55.4671, 71.6889



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.3898, 37.0808, 46.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3418, 55.4671, 71.6889 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, 213)` looks like.

```
.text, #text, p{  
  color:rgb(0, 219, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 213) }
```

Border

The CSS property to change the border of an element to XYZ 37.3418, 55.4671, 71.6889 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, 213) }
```


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

```
.border{ border-color:rgb(0, 219, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3418, 55.4671, 71.6889 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, 213) }
```

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

```
.background{ background-color: rgb(0, 219,  
213) }
```

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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