

Converting Colors

XYZ(37.2302, 54.9284, 71.5888)

Have a look what the booklet for
XYZ(37.2302, 54.9284, 71.5888)
contains.

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Color

**XYZ(37.2953, 55.0571,
71.6122)**

Conversions

Conversions Part 1

Format	Color
Hex	10DAD5
RGB	16, 218, 213
RGB Percent	6%, 85%, 84%
CMY	0.9371, 0.1451, 0.1647
CMYK	0.93, 0.00, 0.02, 0.15
HSL	179°, 86%, 46%
HSV	179°, 93%, 85%
XYZ	37.2953, 55.0571, 71.6122
YIQ	157.0320, -118.7870, -44.3790

Conversions

Conversions Part 2

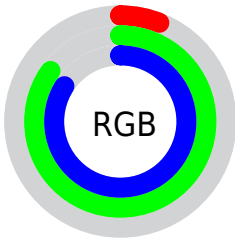
Format	Color
RYB	16, 118, 218
Decimal	1104597
CIELab	79.07, -43.75, -10.01
CIELCh	79, 44.881, 192.885
Yxy	55.0571, 0.2275, 0.3358
Android (android.graphics.Color)	4279294677 (0xFF10DAD5)
YUV	157.0320, 27.5922, -123.6851
Hunter-Lab	74.2005, -40.1316, -5.2815

Details

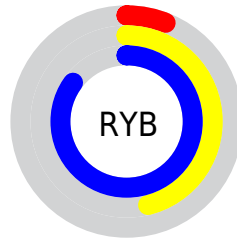
The XYZ color **37.2953, 55.0571, 71.6122** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.2359, 15.3318, 2.1296**, and the grayscale version is **31.9854, 33.6512, 36.6461**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **19.0919, 28.3093, 36.8057** is the 20% darker color. If you saturate the color by 10%, you get **37.0323, 54.9286, 71.3383**, and if you desaturate by 10%, it is **37.9446, 55.3851, 72.0022**.

Distribution



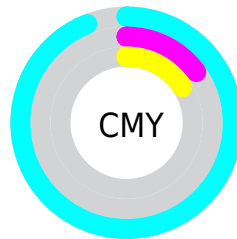
- Red (6%)
- Green (85%)
- Blue (84%)



- Red (6%)
- Yellow (46%)
- Blue (85%)



- Cyan (93%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (94%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2953, 55.0571, 71.6122 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 37.2953, 55.0571, 71.6122 by changing the saturation by 10% instead.

37.2953, 55.0571,
71.6122

37.2953, 55.0571,
71.6122

325.9206,
406.1283, 485.1319

25.6109, 39.4474,
52.3571

70.3376, 97.6246,
123.2076

16.6640, 27.1080,
36.9056

92.4263, 125.3513,
156.3849

10.0890, 17.6543,
24.8392

118.7137,
157.8857, 195.0401

5.5207, 10.7021,
15.7393

149.5654,
195.6123, 239.5916

2.5938, 5.8669,
9.1875

185.3465,
238.9154, 290.4580

0.9428, 2.7643,
4.7652

226.4225,

0.0000, 1.0100,

288.1796, 348.0578

2.0539

273.1588,
343.7891, 412.8096

■ 0.0000, 0.0000,
0.5881

■ 0.0000, 0.0000,
0.0000

■ 37.2953, 55.0571,
71.6122

■ 37.2953, 55.0571,
71.6122

■ 37.0323, 54.9286,
71.3383

■ 37.9446, 55.3851,
72.0022

■ 39.0617, 55.9530,
72.4140

■ 40.7201, 56.8000,
72.8524

■ 42.9792, 57.9566,
73.3200

■ 45.8908, 59.4495,
73.8194

■ 49.5012, 61.3027,
74.3527

■ 53.8523, 63.5377,
74.9219

■ 58.9827, 66.1744,
75.5287

■ 64.9285, 69.2314,
76.1749

Harmonies

Analogous

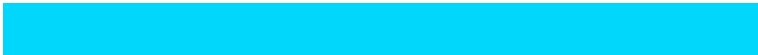
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.5580, 55.0571, 46.5929



37.2953, 55.0571, 71.6122



40.7160, 55.0571, 100.0891

Triad

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



37.2953, 55.0571, 71.6122



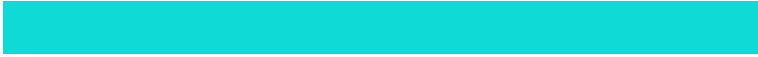
64.9245, 55.0571, 103.7499



57.5549, 55.0571, 24.1279

Complementary

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



37.2953, 55.0571, 71.6122



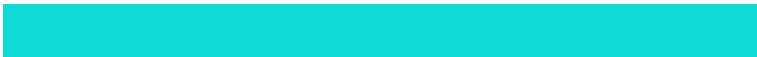
29.2359, 15.3318, 2.1296

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.



65.9661, 55.0571, 32.2941



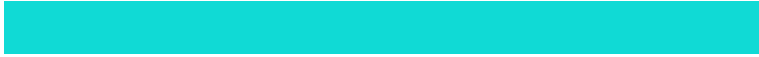
37.2953, 55.0571, 71.6122



70.5421, 55.0571, 75.6380

Square

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



37.2953, 55.0571, 71.6122



56.2585, 55.0571, 121.9001



70.9437, 55.0571, 49.6243



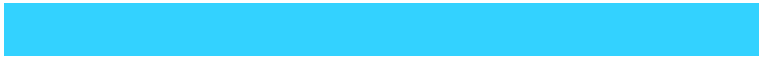
48.5890, 55.0571, 23.6187

Rectangle

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



37.2953, 55.0571, 71.6122



44.8784, 55.0571, 115.3257



70.9437, 55.0571, 49.6243



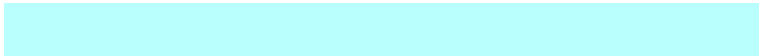
60.5642, 55.0571, 25.9326

Sweetspot

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



37.2970, 55.0592, 71.6135



73.1980, 88.7676, 106.3981



25.5140, 50.3614, 8.8675



15.1172, 18.7174, 22.6993



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.



37.2970, 55.0592, 71.6135



52.8098, 78.3399, 101.7028



20.0460, 19.5255, 69.0442



13.4302, 14.8237, 16.7285



22.1918, 32.9093, 42.7707



1.4422, 2.1338, 2.7947

Inverse Universe

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



29.2359, 15.3318, 2.1296



41.2746, 21.2738, 2.1122



34.6150, 26.1571, 3.7159



13.0690, 13.0567, 13.6249



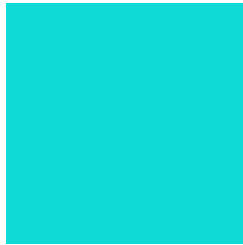
17.3457, 8.9393, 0.9346



1.1284, 0.5810, 0.0853

Previews

White Background



This preview shows how the XYZ color 37.2953, 55.0571, 71.6122 looks on a white background.

Color Contrast Check

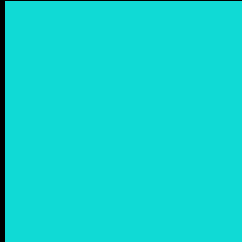
Large Text (above 18pt) WCAG AA × Fail

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 37.2953, 55.0571, 71.6122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

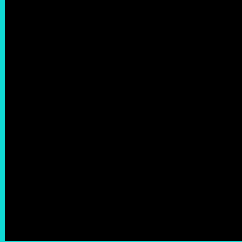
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

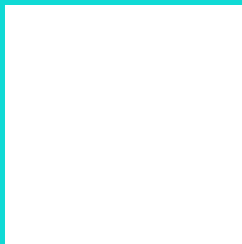
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2953, 55.0571, 71.6122

Background



This preview shows how black text looks on a background with the XYZ color 37.2953, 55.0571, 71.6122.

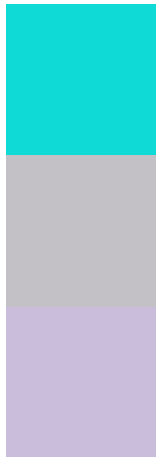


This preview shows how white text looks on a background with the XYZ color 37.2953, 55.0571,

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

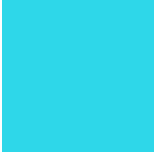
37.2953, 55.0571, 71.6122

Protanopia

52.0280, 53.9529, 61.0979

Deuteranopia

55.0712, 53.9272, 74.5243



Tritanopia

40.1351, 55.0649, 85.6040

Trichromacy



Original Color

37.2953, 55.0571, 71.6122



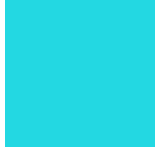
Protanomaly

41.2601, 51.3782, 64.2423



Deuteranomaly

43.0102, 51.3866, 73.2974



Tritanomaly

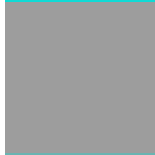
38.9765, 54.9600, 80.5056

Monochromacy



Original Color

37.2953, 55.0571, 71.6122



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.9998, 38.4787, 47.4409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2953, 55.0571, 71.6122 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(16, 218, 213)` looks like.

```
.text, #text, p{  
    color:rgb(16, 218, 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(16, 218, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 218, 213) }
```

Border

The CSS property to change the border of an element to XYZ 37.2953, 55.0571, 71.6122 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(16, 218, 213) }
```


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

```
.border{ border-color:rgb(16, 218, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 218, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 218, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 218, 213);  
box-shadow:4px 4px 4px 4px rgb(16, 218,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2953, 55.0571, 71.6122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 218, 213) }
```

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

```
.background{ background-color: rgb(16, 218,  
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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