

Converting Colors

XYZ(15.1414, 44.0340, 69.4827)

Have a look what the booklet for
XYZ(15.1414, 44.0340, 69.4827)
contains.

XYZ(37.0894, 55.3662, 70.3599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0894, 55.3662,
70.3599)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBD3
RGB	0, 219, 211
RGB Percent	0%, 86%, 83%
CMY	0.9998, 0.1412, 0.1725
CMYK	1.00, 0.00, 0.04, 0.14
HSL	178°, 100%, 43%
HSV	178°, 100%, 86%
XYZ	37.0894, 55.3662, 70.3599
YIQ	152.6070, -127.9560, -48.9160

Conversions

Conversions Part 2

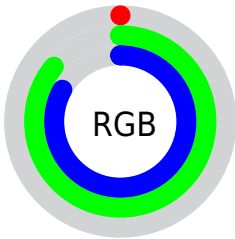
Format	Color
RYB	0, 112, 219
Decimal	56275
CIELab	79.25, -45.19, -8.68
CIELCh	79, 46.018, 190.875
Yxy	55.3662, 0.2278, 0.3401
Android (android.graphics.Color)	4278246355 (0xFF00DBD3)
YUV	152.6070, 28.7877, -133.8363
Hunter-Lab	74.4085, -41.2403, -3.9781

Details

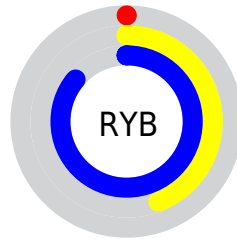
The XYZ color **37.0894, 55.3662, 70.3599** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.2591, 15.0793, 1.5997**, and the grayscale version is **30.0336, 31.5977, 34.4099**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.1830, 28.6287, 36.4131** is the 20% darker color. If you saturate the color by 10%, you get **37.0902, 55.3679, 70.3600**, and if you desaturate by 10%, it is **37.5208, 55.5782, 70.9065**.

Distribution



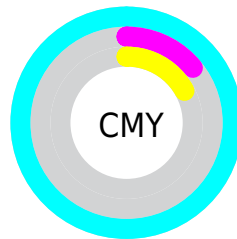
- Red (0%)
- Green (86%)
- Blue (83%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)



- Cyan (100%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0894, 55.3662, 70.3599 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 37.0894, 55.3662, 70.3599 by changing the saturation by 10% instead.

37.0894, 55.3662,
70.3599

37.0894, 55.3662,
70.3599

325.0462,
407.2986, 480.6359

25.4507, 39.6950,
51.3414

70.0232, 98.0773,
121.4078

16.5437, 27.3008,
36.1018

92.0490, 125.8860,
154.2742

10.0030, 17.7993,
24.2225

118.2679,
158.5092, 192.5937

5.4632, 10.8060,
15.2850

149.0453,
196.3315, 236.7848

2.5590, 5.9365,
8.8708

184.7464,
239.7372, 287.2660

0.9251, 2.8065,
4.5614

225.7367,

0.0000, 1.0316,

289.1107, 344.4559

1.9381

272.3815,
344.8363, 408.7730

■ 0.0000, 0.0000,
0.5168

■ 0.0000, 0.0000,
0.0000

■ 37.0894, 55.3662,
70.3599

■ 37.0894, 55.3662,
70.3599

■ 37.0902, 55.3679,
70.3600

■ 37.5208, 55.5782,
70.9065

■ 38.3245, 55.9808,
71.4719

■ 39.6239, 56.6389,
72.0630

■ 41.4875, 57.5879,
72.6832

■ 43.9734, 58.8575,
73.3352

■ 47.1320, 60.4740,
74.0213

■ 51.0089, 62.4606,
74.7436

■ 55.6455, 64.8388,
75.5041

■ 61.0803, 67.6285,
76.3045

Harmonies

Analogous

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



37.6136, 55.3662, 45.1589



37.0894, 55.3662, 70.3599



40.3461, 55.3662, 99.9008

Triad

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



37.0894, 55.3662, 70.3599



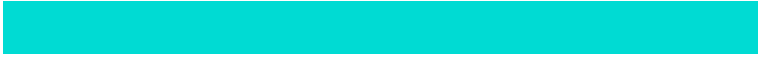
65.0738, 55.3662, 107.2951



58.6367, 55.3662, 23.9619

Complementary

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



37.0894, 55.3662, 70.3599



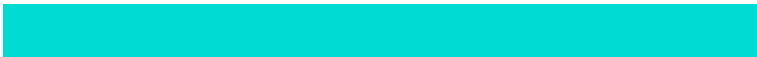
29.2591, 15.0793, 1.5997

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.



67.1696, 55.3662, 32.8305



37.0894, 55.3662, 70.3599



71.1750, 55.3662, 78.4583

Square

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



37.0894, 55.3662, 70.3599



56.0335, 55.3662, 125.0016



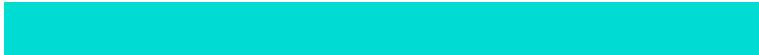
71.9838, 55.3662, 51.2198



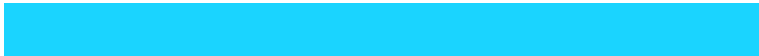
49.3555, 55.3662, 22.9563

Rectangle

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



37.0894, 55.3662, 70.3599



44.4729, 55.3662, 116.2739



71.9838, 55.3662, 51.2198



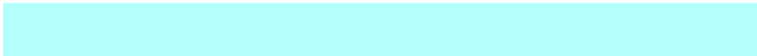
61.7146, 55.3662, 25.9672

Sweetspot

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



37.0911, 55.3683, 70.3612



71.8381, 88.0855, 105.4812



25.4706, 50.7360, 8.4520



14.8536, 18.5860, 22.4833



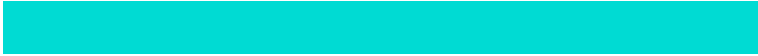
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.0911, 55.3683, 70.3612



52.3456, 78.1542, 99.2586



19.5609, 18.6624, 69.5913



13.4232, 14.8209, 16.6917



22.0013, 32.8331, 41.7676



1.4319, 2.1297, 2.7405

Inverse Universe

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



29.2591, 15.0793, 1.5997



41.2911, 21.2804, 2.1989



33.6368, 23.9049, 2.8427



13.0752, 13.0592, 13.6574



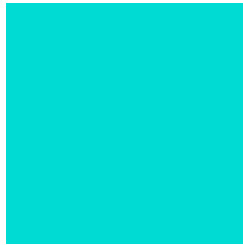
17.3569, 8.9438, 0.9935



1.1314, 0.5822, 0.1009

Previews

White Background



This preview shows how the XYZ color 37.0894, 55.3662, 70.3599 looks on a white background.

Color Contrast Check

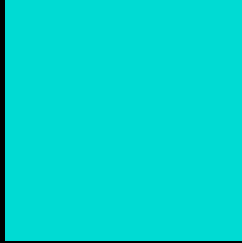
Large Text (above 18pt) WCAG AA × Fail

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 37.0894, 55.3662, 70.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

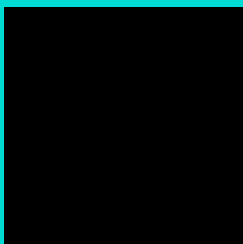
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

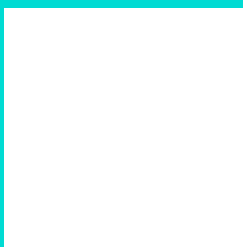
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0894, 55.3662, 70.3599

Background



This preview shows how black text looks on a background with the XYZ color 37.0894, 55.3662, 70.3599.

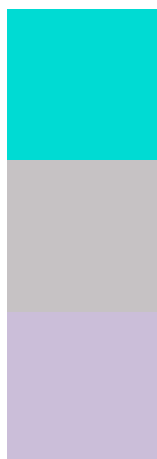


This preview shows how white text looks on a background with the XYZ color 37.0894, 55.3662,

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

37.0894, 55.3662, 70.3599

Protanopia

52.5443, 54.5749, 59.9892

Deuteranopia

55.5664, 54.5332, 73.2429



Tritanopia

40.4361, 55.5993, 85.6913

Trichromacy



Original Color

37.0894, 55.3662, 70.3599



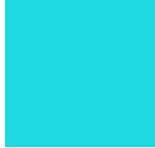
Protanomaly

40.5027, 51.3645, 63.0380



Deuteranomaly

42.2056, 51.3467, 71.9764



Tritanomaly

38.9389, 55.3380, 79.8632

Monochromacy



Original Color

37.0894, 55.3662, 70.3599



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.2919, 37.0417, 45.7030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0894, 55.3662, 70.3599 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 211) }
```

Border

The CSS property to change the border of an element to XYZ 37.0894, 55.3662, 70.3599 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, 211) }
```


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

```
.border{ border-color:rgb(0, 219, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0894, 55.3662, 70.3599 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, 211) }
```

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

```
.background{ background-color: rgb(0, 219,  
211) }
```

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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