

Converting Colors

XYZ(37.8570, 58.6570, 65.2038)

Have a look what the booklet for
XYZ(37.8570, 58.6570, 65.2038)
contains.

XYZ(37.8570, 58.6570, 65.2038)	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(37.8570, 58.6570,
65.2038)**

Conversions

Conversions Part 1

Format	Color
Hex	00E2CA
RGB	0, 226, 202
RGB Percent	0%, 89%, 79%
CMY	0.9998, 0.1137, 0.2078
CMYK	1.00, 0.00, 0.11, 0.11
HSL	174°, 100%, 44%
HSV	174°, 100%, 89%
XYZ	37.8570, 58.6570, 65.2038
YIQ	155.6900, -126.9920, -55.3760

Conversions

Conversions Part 2

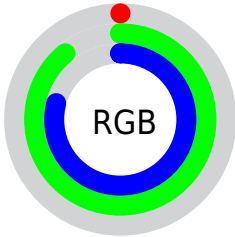
Format	Color
RYB	0, 119, 226
Decimal	58058
CIELab	81.10, -50.67, -1.16
CIELCh	81, 50.680, 181.311
Yxy	58.6570, 0.2341, 0.3627
Android (android.graphics.Color)	4278248138 (0xFF00E2CA)
YUV	155.6900, 22.8308, -136.5401
Hunter-Lab	76.5879, -45.7971, 3.1344

Details

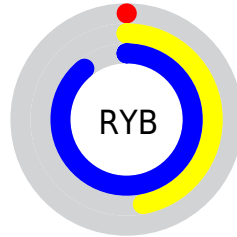
The XYZ color **37.8570, 58.6570, 65.2038** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.5309, 16.2363, 2.3385**, and the grayscale version is **31.4101, 33.0458, 35.9869**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.7200, 30.8876, 32.9395** is the 20% darker color. If you saturate the color by 10%, you get **37.8577, 58.6588, 65.2025**, and if you desaturate by 10%, it is **38.4899, 58.9515, 66.7302**.

Distribution



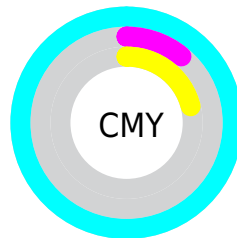
- Red (0%)
- Green (89%)
- Blue (79%)



- Red (0%)
- Yellow (47%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8570, 58.6570, 65.2038 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 37.8570, 58.6570, 65.2038 by changing the saturation by 10% instead.

37.8570, 58.6570,
65.2038

37.8570, 58.6570,
65.2038

328.2976,
419.6296, 461.8502

26.0484, 42.3371,
47.1740

71.1942, 102.8790,
113.9589

16.9927, 29.3653,
32.8179

93.4536, 131.5498,
145.5212

10.3246, 19.3573,
21.7170

119.9272,
165.1064, 182.4315

5.6786, 11.9288,
13.4528

150.9806,
203.9332, 225.1081

2.6894, 6.6952,
7.6067

186.9789,
248.4145, 273.9698

0.9917, 3.2722,
3.7602

228.2876,

0.0000, 1.2754,

298.9347, 329.4350

1.4947

275.2721,
355.8783, 391.9223

■ 0.0000, 0.1221,
0.2140

■ 0.0000, 0.0000,
0.0000

■ 37.8570, 58.6570,
65.2038

■ 37.8570, 58.6570,
65.2038

■ 37.8577, 58.6588,
65.2025

■ 38.4899, 58.9515,
66.7302

■ 39.5286, 59.4534,
68.2975

■ 41.1040, 60.2314,
69.9132

■ 43.2907, 61.3240,
71.5809

■ 46.1510, 62.7634,
73.3037

■ 49.7399, 64.5779,
75.0841

■ 54.1064, 66.7927,
76.9246

■ 59.2954, 69.4310,
78.8273

■ 65.3483, 72.5141,
80.7944

Harmonies

Analogous

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



39.8061, 58.6570, 39.8743



37.8570, 58.6570, 65.2038



40.1774, 58.6570, 98.9998

Triad

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



37.8570, 58.6570, 65.2038



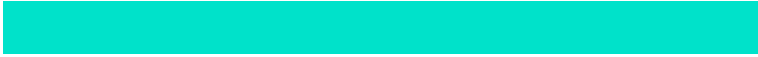
66.9526, 58.6570, 127.3411



66.0499, 58.6570, 25.3026

Complementary

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



37.8570, 58.6570, 65.2038



31.5309, 16.2363, 2.3385

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.



74.9059, 58.6570, 38.2187



37.8570, 58.6570, 65.2038



75.4715, 58.6570, 95.9529

Square

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



37.8570, 58.6570, 65.2038



56.2164, 58.6570, 141.1711



78.5483, 58.6570, 62.5496



55.2896, 58.6570, 21.6603

Rectangle

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



37.8570, 58.6570, 65.2038



44.0263, 58.6570, 120.6793



78.5483, 58.6570, 62.5496



69.3935, 58.6570, 28.4498

Sweetspot

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



37.8587, 58.6592, 65.2052



71.0041, 87.7519, 101.0894



27.6339, 54.6197, 9.0874



14.6508, 18.5049, 21.4155



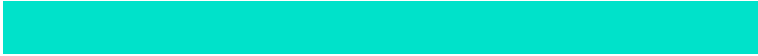
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.8587, 58.6592, 65.2052



49.7516, 77.1167, 85.5990



23.0168, 24.0682, 75.3865



14.0505, 15.5460, 17.3014



21.6236, 33.4743, 37.3366



1.5171, 2.3276, 2.6841

Inverse Universe

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



31.5309, 16.2363, 2.3385



41.4388, 21.3395, 2.9770



34.7461, 22.9308, 2.5959



13.7661, 13.7241, 14.5385



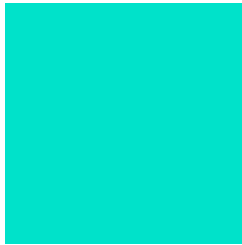
18.0081, 9.2702, 1.4425



1.2685, 0.6507, 0.2065

Previews

White Background



This preview shows how the XYZ color 37.8570, 58.6570, 65.2038 looks on a white background.

Color Contrast Check

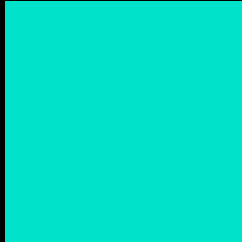
Large Text (above 18pt) WCAG AA × Fail

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 37.8570, 58.6570, 65.2038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

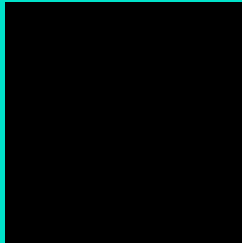
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

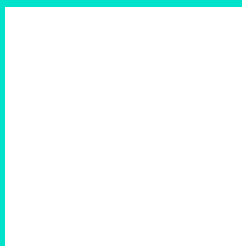
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8570, 58.6570, 65.2038

Background



This preview shows how black text looks on a background with the XYZ color 37.8570, 58.6570, 65.2038.

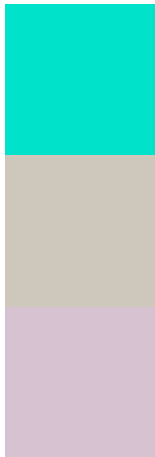


This preview shows how white text looks on a background with the XYZ color 37.8570, 58.6570,

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

37.8570, 58.6570, 65.2038

Protanopia

54.8467, 57.5565, 55.2325

Deuteranopia

58.8247, 57.6341, 68.3457



Tritanopia

43.1814, 58.8444, 90.7436

Trichromacy



Original Color

37.8570, 58.6570, 65.2038



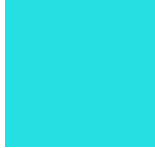
Protanomaly

41.6750, 54.2320, 58.1405



Deuteranomaly

43.5284, 53.9172, 66.5054



Tritanomaly

40.8781, 58.6597, 81.1195

Monochromacy



Original Color

37.8570, 58.6570, 65.2038



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.2123, 38.7175, 45.4687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8570, 58.6570, 65.2038 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, 226, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 202)  
}
```

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, 226, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 202) }
```

Border

The CSS property to change the border of an element to XYZ 37.8570, 58.6570, 65.2038 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, 226, 202) }
```


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

```
.border{ border-color:rgb(0, 226, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8570, 58.6570, 65.2038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 202) }
```

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

```
.background{ background-color: rgb(0, 226,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor