

Converting Colors

XYZ(37.3700, 58.8801, 61.3507)

Have a look what the booklet for
XYZ(37.3700, 58.8801, 61.3507)
contains.

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Color

**XYZ(37.4329, 58.9237,
61.6250)**

Conversions

Conversions Part 1

Format	Color
Hex	00E3C4
RGB	0, 227, 196
RGB Percent	0%, 89%, 77%
CMY	0.9998, 0.1098, 0.2314
CMYK	1.00, 0.00, 0.14, 0.11
HSL	172°, 100%, 45%
HSV	172°, 100%, 89%
XYZ	37.4329, 58.9237, 61.6250
YIQ	155.5930, -125.3410, -57.7650

Conversions

Conversions Part 2

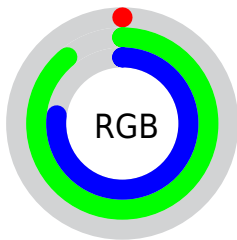
Format	Color
RYB	0, 122, 227
Decimal	58308
CIELab	81.25, -52.68, 2.24
CIELCh	81, 52.726, 177.569
Yxy	58.9237, 0.2369, 0.3730
Android (android.graphics.Color)	4278248388 (0xFF00E3C4)
YUV	155.5930, 19.9207, -136.4551
Hunter-Lab	76.7618, -47.2875, 6.1347

Details

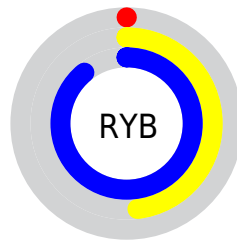
The XYZ color **37.4329, 58.9237, 61.6250** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **31.9280, 16.4316, 2.7883**, and the grayscale version is **31.3793, 33.0135, 35.9517**.

A 20% lighter version of the original color is **59.9200, 81.9268, 105.5839**, and **19.2572, 30.7024, 30.5024** is the 20% darker color. If you saturate the color by 10%, you get **37.4334, 58.9254, 61.6228**, and if you desaturate by 10%, it is **38.1383, 59.2475, 63.5210**.

Distribution



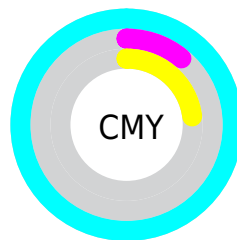
- Red (0%)
- Green (89%)
- Blue (77%)



- Red (0%)
- Yellow (48%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4329, 58.9237, 61.6250 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 37.4329, 58.9237, 61.6250 by changing the saturation by 10% instead.

37.4329, 58.9237,
61.6250

37.4329, 58.9237,
61.6250

326.5040,
420.6191, 448.5317

25.7181, 42.5517,
44.2959

70.5476, 103.2668,
108.7497

16.7444, 29.5335,
30.5643

92.6782, 132.0066,
139.3824

10.1466, 19.4848,
20.0116

119.0114,
165.6379, 175.2867

5.5593, 12.0211,
12.2193

149.9125,
204.5449, 216.8812

2.6171, 6.7581,
6.7689

185.7470,
249.1122, 264.5845

0.9547, 3.3113,
3.2417

226.8802,

0.0000, 1.2963,

299.7240, 318.8149

1.2194

273.6774,
356.7649, 379.9912

■ 0.0000, 0.1383,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4329, 58.9237,
61.6250

■ 37.4329, 58.9237,
61.6250

■ 37.4334, 58.9254,
61.6228

■ 38.1383, 59.2475,
63.5210

■ 39.2566, 59.7820,
65.4734

■ 40.9202, 60.5967,
67.4898

■ 43.2042, 61.7304,
69.5740

■ 46.1718, 63.2156,
71.7292

■ 49.8785, 65.0810,
73.9581

■ 54.3740, 67.3521,
76.2633

■ 59.7035, 70.0524,
78.6472

■ 65.9091, 73.2033,
81.1119

Harmonies

Analogous

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



39.9943, 58.9237, 36.8655



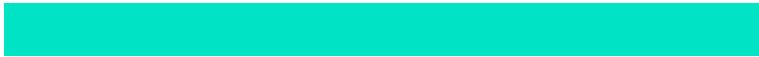
37.4329, 58.9237, 61.6250



39.2825, 58.9237, 96.4449

Triad

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



37.4329, 58.9237, 61.6250



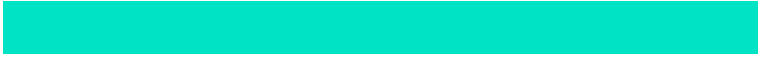
66.3668, 58.9237, 134.1562



68.1205, 58.9237, 25.4316

Complementary

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



37.4329, 58.9237, 61.6250



31.9280, 16.4316, 2.7883

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.



76.9057, 58.9237, 40.0247



37.4329, 58.9237, 61.6250



75.8037, 58.9237, 102.3978

Square

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



37.4329, 58.9237, 61.6250



55.1137, 58.9237, 145.6168



79.8845, 58.9237, 66.7593



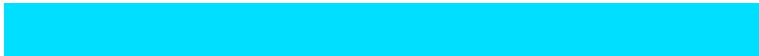
56.9063, 58.9237, 20.6960

Rectangle

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



37.4329, 58.9237, 61.6250



42.9222, 58.9237, 120.0021



79.8845, 58.9237, 66.7593



71.5084, 58.9237, 29.0511

Sweetspot

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



37.4346, 58.9260, 61.6264



70.6479, 87.6094, 99.2136



28.1328, 55.2817, 9.1889



14.5644, 18.4703, 20.9608



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.



37.4346, 58.9260, 61.6264



48.7005, 76.6962, 80.0640



24.3883, 26.5909, 76.5227



14.7183, 16.3008, 18.0473



21.8626, 34.3771, 36.1064



1.6391, 2.5498, 2.7919

Inverse Universe

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



31.9280, 16.4316, 2.7883



41.5409, 21.3804, 3.5144



34.5106, 21.9929, 2.4274



14.4568, 14.3999, 15.3397



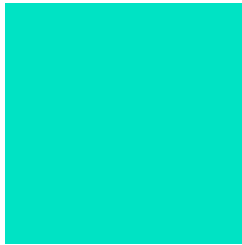
18.6439, 9.5918, 1.7539



1.4034, 0.7191, 0.2649

Previews

White Background



This preview shows how the XYZ color 37.4329, 58.9237, 61.6250 looks on a white background.

Color Contrast Check

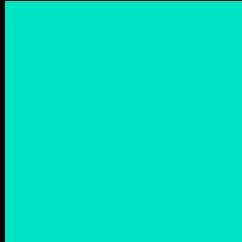
Large Text (above 18pt) WCAG AA × Fail

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 37.4329, 58.9237, 61.6250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

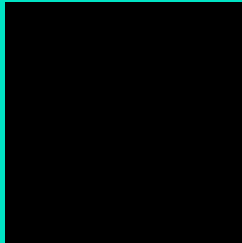
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

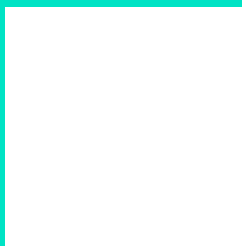
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4329, 58.9237, 61.6250

Background



This preview shows how black text looks on a background with the XYZ color 37.4329, 58.9237, 61.6250.



This preview shows how white text looks on a background with the XYZ color 37.4329, 58.9237,

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

37.4329, 58.9237, 61.6250

Protanopia

54.7763, 57.5929, 51.9456

Deuteranopia

58.9847, 57.8008, 64.5478



Tritanopia

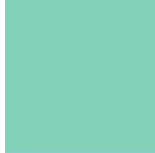
43.4230, 58.9690, 90.7549

Trichromacy



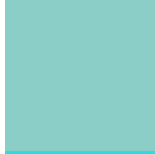
Original Color

37.4329, 58.9237, 61.6250



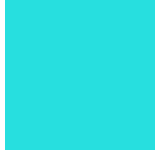
Protanomaly

41.1791, 54.0516, 54.7170



Deuteranomaly

43.1441, 53.8017, 62.7544



Tritanomaly

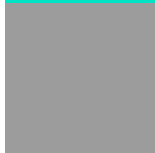
40.5437, 58.5344, 78.9734

Monochromacy



Original Color

37.4329, 58.9237, 61.6250



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.2242, 39.0488, 44.5250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4329, 58.9237, 61.6250 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, 227, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 196)  
}
```

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, 227, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.4329, 58.9237, 61.6250 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, 227, 196) }
```


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

```
.border{ border-color:rgb(0, 227, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4329, 58.9237, 61.6250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 196) }
```

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

```
.background{ background-color: rgb(0, 227,  
196) }
```

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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