

Converting Colors

XYZ(33.2946, 50.8476, 59.6169)

Have a look what the booklet for
XYZ(33.2946, 50.8476, 59.6169)
contains.

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Color

**XYZ(33.3938, 51.0271,
59.7189)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4C3
RGB	0, 212, 195
RGB Percent	0%, 83%, 76%
CMY	0.9998, 0.1686, 0.2353
CMYK	1.00, 0.00, 0.08, 0.17
HSL	175°, 100%, 42%
HSV	175°, 100%, 83%
XYZ	33.3938, 51.0271, 59.7189
YIQ	146.6740, -120.8950, -50.2310

Conversions

Conversions Part 2

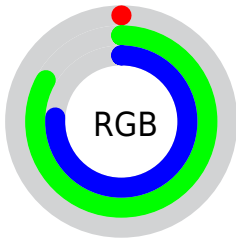
Format	Color
RYB	0, 110, 212
Decimal	54467
CIELab	76.70, -46.74, -3.89
CIELCh	77, 46.897, 184.761
Yxy	51.0271, 0.2317, 0.3540
Android (android.graphics.Color)	4278244547 (0xFF00D4C3)
YUV	146.6740, 23.8247, -128.6331
Hunter-Lab	71.4333, -41.5626, 0.4363

Details

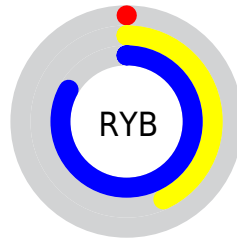
The XYZ color **33.3938, 51.0271, 59.7189** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.2543, 14.0390, 1.8054**, and the grayscale version is **27.5448, 28.9793, 31.5585**.

A 20% lighter version of the original color is **59.2360, 81.6108, 103.8972**, and **16.6962, 25.7000, 29.2799** is the 20% darker color. If you saturate the color by 10%, you get **33.3944, 51.0286, 59.7181**, and if you desaturate by 10%, it is **33.9026, 51.2682, 60.7534**.

Distribution



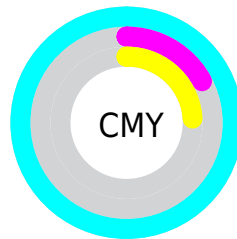
- Red (0%)
- Green (83%)
- Blue (76%)



- Red (0%)
- Yellow (43%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3938, 51.0271, 59.7189 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 33.3938, 51.0271, 59.7189 by changing the saturation by 10% instead.


 33.3938, 51.0271,
59.7189


 33.3938, 51.0271,
59.7189


309.0542,
390.6691, 441.3367


 22.5890, 36.2302,
42.7683


 64.3404, 91.6948,
105.9612


 14.4093, 24.6120,
29.3733


 85.2129, 118.3344,
136.0899


 8.4895, 15.7882,
19.1154


 110.1721,
149.6904, 171.4484

 4.4642, 9.3744,
11.5760

 139.5832,
186.1470, 212.4553

 1.9679, 4.9862,
6.3367

 173.8115,
228.0889, 259.5290

 0.6159, 2.2392,
2.9788

213.2226,

 0.0000, 0.7412,

275.9002, 313.0881

1.0838

258.1817,
329.9655, 373.5512

■ 0.0000, 0.0000,
0.0000

■ 33.3938, 51.0271,
59.7189

■ 33.3938, 51.0271,
59.7189

■ 33.3944, 51.0286,
59.7181

■ 33.9026, 51.2682,
60.7534

■ 34.7568, 51.6860,
61.8143

■ 36.0728, 52.3415,
62.9084

■ 37.9137, 53.2675,
64.0386

■ 40.3329, 54.4912,
65.2074

■ 43.3771, 56.0369,
66.4171

■ 47.0882, 57.9262,
67.6697

■ 51.5047, 60.1789,
68.9669

■ 56.6619, 62.8131,
70.3106

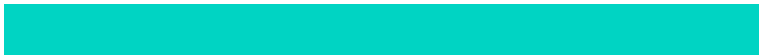
Harmonies

Analogous

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



34.6341, 51.0271, 37.2053



33.3938, 51.0271, 59.7189



35.7790, 51.0271, 88.3716

Triad

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



33.3938, 51.0271, 59.7189



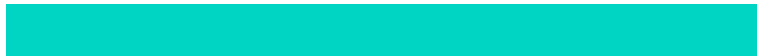
58.9029, 51.0271, 106.2062



56.1522, 51.0271, 22.0227

Complementary

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



33.3938, 51.0271, 59.7189



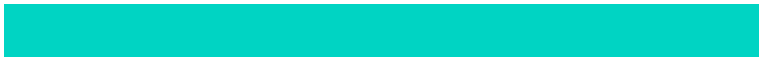
27.2543, 14.0390, 1.8054

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.



63.9263, 51.0271, 32.0790



33.3938, 51.0271, 59.7189



65.6455, 51.0271, 79.1331

Square

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



33.3938, 51.0271, 59.7189



49.9310, 51.0271, 119.9435



67.5871, 51.0271, 51.5985



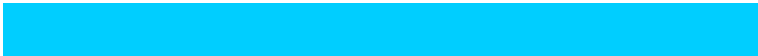
47.0961, 51.0271, 19.6824

Rectangle

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



33.3938, 51.0271, 59.7189



39.2982, 51.0271, 105.8459



67.5871, 51.0271, 51.5985



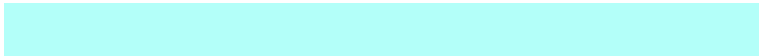
59.0359, 51.0271, 24.4217

Sweetspot

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



33.3953, 51.0290, 59.7201



71.3127, 87.8753, 102.7143



23.7885, 47.2144, 7.8607



14.7257, 18.5348, 21.8100



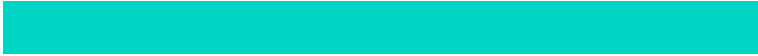
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.3953, 51.0290, 59.7201



50.6899, 77.4920, 90.5398



19.0529, 19.0905, 64.9701



12.7472, 14.0899, 15.7492



20.6329, 31.5085, 36.9579



1.2575, 1.9057, 2.2977

Inverse Universe

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



27.2543, 14.0390, 1.8054



41.3703, 21.3121, 2.6164



30.6718, 21.0361, 2.4450



12.4633, 12.4368, 13.1139



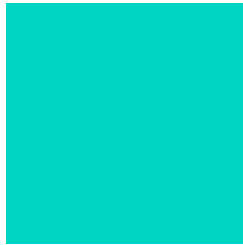
16.8392, 8.6720, 1.1914



1.0300, 0.5288, 0.1476

Previews

White Background



This preview shows how the XYZ color 33.3938, 51.0271, 59.7189 looks on a white background.

Color Contrast Check

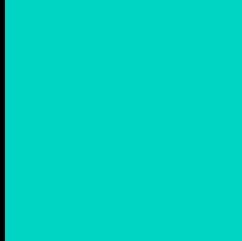
Large Text (above 18pt) WCAG AA × Fail

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 33.3938, 51.0271, 59.7189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

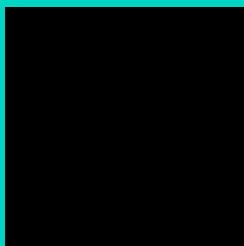
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

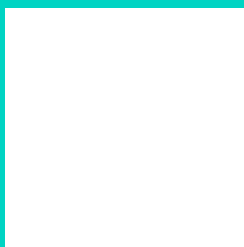
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3938, 51.0271, 59.7189

Background



This preview shows how black text looks on a background with the XYZ color 33.3938, 51.0271, 59.7189.

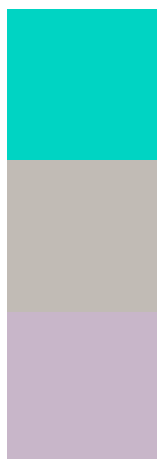


This preview shows how white text looks on a background with the XYZ color 33.3938, 51.0271,

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

33.3938, 51.0271, 59.7189

Protanopia

48.1031, 50.2143, 50.8731

Deuteranopia

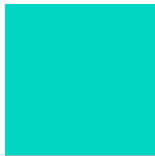
51.0900, 49.9523, 62.2074



Tritanopia

37.5117, 51.2518, 79.1497

Trichromacy



Original Color

33.3938, 51.0271, 59.7189



Protanomaly

36.7712, 47.2360, 53.6338



Deuteranomaly

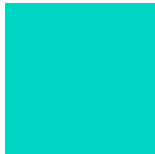
38.1312, 46.7755, 61.0517



Tritanomaly

35.5337, 50.7630, 71.5438

Monochromacy



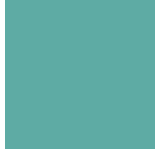
Original Color

33.3938, 51.0271, 59.7189



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.8798, 34.1858, 40.3565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3938, 51.0271, 59.7189 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, 212, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 195)  
}
```

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, 212, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 195) }
```

Border

The CSS property to change the border of an element to XYZ 33.3938, 51.0271, 59.7189 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, 212, 195) }
```


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

```
.border{ border-color:rgb(0, 212, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3938, 51.0271, 59.7189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 195) }
```

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

```
.background{ background-color: rgb(0, 212,  
195) }
```

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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