

Converting Colors

XYZ(37.3103, 55.8771, 81.0099)

Have a look what the booklet for
XYZ(37.3103, 55.8771, 81.0099)
contains.

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Color

**XYZ(39.5839, 57.2039,
80.9067)**

Conversions

Conversions Part 1

Format	Color
Hex	00DDE2
RGB	0, 221, 226
RGB Percent	0%, 87%, 89%
CMY	0.9998, 0.1333, 0.1137
CMYK	1.00, 0.02, 0.00, 0.11
HSL	181°, 100%, 44%
HSV	181°, 100%, 89%
XYZ	39.5839, 57.2039, 80.9067
YIQ	155.4910, -133.3210, -45.2970

Conversions

Conversions Part 2

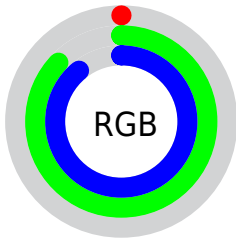
Format	Color
RYB	0, 112, 226
Decimal	56802
CIELab	80.29, -41.67, -15.13
CIELCh	80, 44.331, 199.950
Yxy	57.2039, 0.2228, 0.3219
Android (android.graphics.Color)	4278246882 (0xFF00DDE2)
YUV	155.4910, 34.7609, -136.3656
Hunter-Lab	75.6333, -38.9373, -10.4806

Details

The XYZ color **39.5839, 57.2039, 80.9067** 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 **31.4197, 16.2788, 1.4877**, and the grayscale version is **31.2742, 32.9029, 35.8313**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.8058, 29.8505, 43.1932** is the 20% darker color. If you saturate the color by 10%, you get **39.5846, 57.2050, 80.9079**, and if you desaturate by 10%, it is **40.0627, 57.6482, 80.9683**.

Distribution



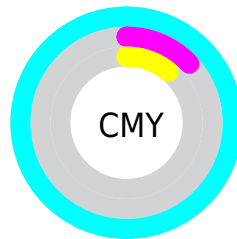
- Red (0%)
- Green (87%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5839, 57.2039, 80.9067 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 39.5839, 57.2039, 80.9067 by changing the saturation by 10% instead.

39.5839, 57.2039,
80.9067

39.5839, 57.2039,
80.9067

335.5312,
414.2129, 517.7704

27.3970, 41.1690,
59.9342

73.8179, 100.7626,
136.4626

18.0098, 28.4511,
42.9407

96.5956, 129.0552,
171.8832

11.0567, 18.6660,
29.5075

123.6345,
162.2025, 212.9568

6.1726, 11.4292,
19.2162

155.2996,
200.5889, 260.1021

2.9920, 6.3563,
11.6482

191.9565,
244.5987, 313.7375

1.1495, 3.0629,
6.3850

233.9705,

0.0659, 1.1647,

294.6164, 374.2817

3.0080

281.7070,
351.0263, 442.1531

■ 0.0000, 0.0326,
1.0987

■ 0.0000, 0.0000,
0.0000

■ 39.5839, 57.2039,
80.9067

■ 39.5839, 57.2039,
80.9067

■ 39.5846, 57.2050,
80.9079

■ 40.0627, 57.6482,
80.9683

■ 40.9432, 58.2990,
81.0475

■ 42.3566, 59.2250,
81.1517

■ 44.3771, 60.4646,
81.2845

■ 47.0672, 62.0500,
81.4488

■ 50.4817, 64.0094,
81.6470

■ 54.6697, 66.3682,
81.8815

■ 59.6760, 69.1494,
82.1545

■ 65.5421, 72.3744,
82.4678

Harmonies

Analogous

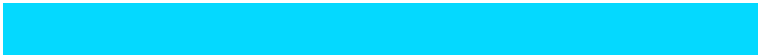
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9575, 57.2039, 53.9780



39.5839, 57.2039, 80.9067



43.9136, 57.2039, 108.8155

Triad

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



39.5839, 57.2039, 80.9067



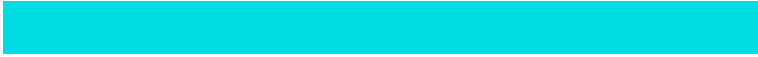
68.8262, 57.2039, 100.2209



57.4678, 57.2039, 24.9424

Complementary

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



39.5839, 57.2039, 80.9067



31.4197, 16.2788, 1.4877

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.



66.3684, 57.2039, 31.3676



39.5839, 57.2039, 80.9067



73.3917, 57.2039, 71.4041

Square

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



39.5839, 57.2039, 80.9067



60.5339, 57.2039, 121.9401



72.4454, 57.2039, 46.7657



48.6405, 57.2039, 26.1728

Rectangle

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



39.5839, 57.2039, 80.9067



48.6139, 57.2039, 121.8934



72.4454, 57.2039, 46.7657



60.5647, 57.2039, 26.1895

Sweetspot

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



39.5857, 57.2060, 80.9081



71.7475, 87.1892, 107.6554



27.2184, 54.4023, 9.1759



14.8314, 18.3673, 23.0135



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.



39.5857, 57.2060, 80.9081



52.0367, 75.1935, 106.3789



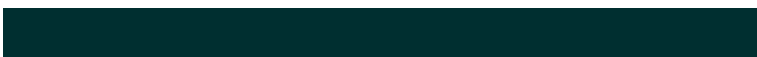
19.2251, 16.4848, 74.1212



14.0892, 15.5176, 17.6403



22.5950, 32.6596, 46.1614



1.5745, 2.2805, 3.2024

Inverse Universe

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



44.4167, 21.3908, 70.1967



58.3949, 28.1220, 92.2667



37.7021, 28.8438, 3.5819



14.2813, 13.9301, 17.2512



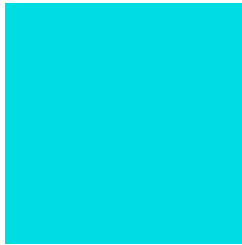
25.3451, 12.2051, 40.0787



1.7610, 0.8477, 2.8003

Previews

White Background



This preview shows how the XYZ color 39.5839, 57.2039, 80.9067 looks on a white background.

Color Contrast Check

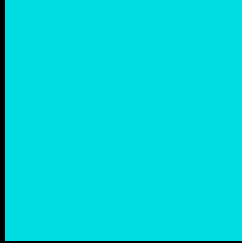
Large Text (above 18pt) WCAG AA × Fail

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 39.5839, 57.2039, 80.9067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

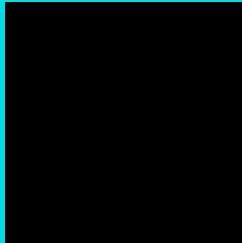
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

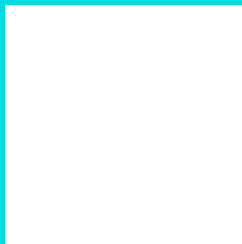
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5839, 57.2039, 80.9067

Background



This preview shows how black text looks on a background with the XYZ color 39.5839, 57.2039, 80.9067.

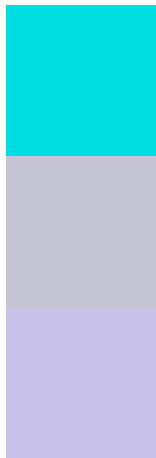


This preview shows how white text looks on a background with the XYZ color 39.5839, 57.2039,

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

39.5839, 57.2039, 80.9067

Protanopia

54.5238, 56.0533, 69.5737

Deuteranopia

57.4549, 56.2455, 84.1722



Tritanopia

41.3107, 57.1348, 88.9716

Trichromacy



Original Color

39.5839, 57.2039, 80.9067



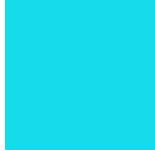
Protanomaly

42.6834, 52.9805, 72.9423



Deuteranomaly

44.3913, 52.9371, 82.7411



Tritanomaly

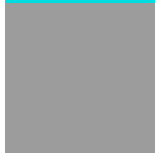
40.6321, 57.2402, 85.9977

Monochromacy



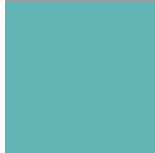
Original Color

39.5839, 57.2039, 80.9067



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.8073, 38.6314, 49.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5839, 57.2039, 80.9067 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, 221, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 226)  
}
```

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, 221, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 226) }
```

Border

The CSS property to change the border of an element to XYZ 39.5839, 57.2039, 80.9067 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, 221, 226) }
```


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

```
.border{ border-color:rgb(0, 221, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 221, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5839, 57.2039, 80.9067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 226) }
```

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

```
.background{ background-color: rgb(0, 221,  
226) }
```

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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