

Converting Colors

XYZ(39.8027, 58.7424, 77.5859)

Have a look what the booklet for
XYZ(39.8027, 58.7424, 77.5859)
contains.

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Color

**XYZ(39.7068, 58.5318,
77.6116)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0DD
RGB	0, 224, 221
RGB Percent	0%, 88%, 87%
CMY	0.9998, 0.1216, 0.1333
CMYK	1.00, 0.00, 0.01, 0.12
HSL	179°, 100%, 44%
HSV	179°, 100%, 88%
XYZ	39.7068, 58.5318, 77.6116
YIQ	156.6820, -132.5410, -48.4210

Conversions

Conversions Part 2

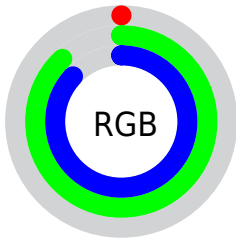
Format	Color
RYB	0, 113, 224
Decimal	57565
CIELab	81.03, -44.47, -11.36
CIELCh	81, 45.899, 194.326
Yxy	58.5318, 0.2258, 0.3329
Android (android.graphics.Color)	4278247645 (0xFF00E0DD)
YUV	156.6820, 31.7088, -137.4101
Hunter-Lab	76.5061, -41.2438, -6.5925

Details

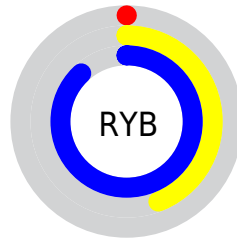
The XYZ color **39.7068, 58.5318, 77.6116** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.7588, 15.8557, 1.5270**, and the grayscale version is **31.8177, 33.4747, 36.4540**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.8856, 30.7584, 40.9126** is the 20% darker color. If you saturate the color by 10%, you get **39.7078, 58.5336, 77.6125**, and if you desaturate by 10%, it is **40.0889, 58.7254, 77.8398**.

Distribution



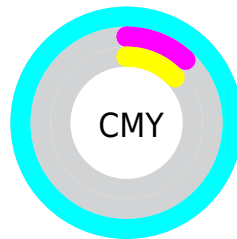
- Red (0%)
- Green (88%)
- Blue (87%)



- Red (0%)
- Yellow (44%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7068, 58.5318, 77.6116 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 39.7068, 58.5318, 77.6116 by changing the saturation by 10% instead.


 39.7068, 58.5318,
77.6116


 39.7068, 58.5318,
77.6116


336.0419,
419.1646, 506.3397

 27.4932, 42.2363,
57.2404


 74.0040, 102.6969,
131.7833


 18.0825, 29.2864,
40.7877


 96.8183, 131.3353,
166.4210


 11.1093, 19.2976,
27.8347


 123.8970,
164.8568, 206.6512

 6.2082, 11.8855,
17.9632

 155.6052,
203.6458, 252.8925

 3.0140, 6.6658,
10.7544

 192.3085,
248.0867, 305.5635

 1.1611, 3.2540,
5.7898

234.3721,

 0.0754, 1.2657,

298.5638, 365.0826

2.6510

282.1615,
355.4617, 431.8685

■ 0.0000, 0.1144,
0.9186

■ 0.0000, 0.0000,
0.0000

■ 39.7068, 58.5318,
77.6116

■ 39.7068, 58.5318,
77.6116

■ 39.7078, 58.5336,
77.6125

■ 40.0889, 58.7254,
77.8398

■ 40.8639, 59.1203,
78.0855

■ 42.1605, 59.7841,
78.3560

■ 44.0515, 60.7543,
78.6546

■ 46.5980, 62.0624,
78.9843

■ 49.8536, 63.7360,
79.3476

■ 53.8663, 65.8000,
79.7467

■ 58.6800, 68.2769,
80.1836

■ 64.3353, 71.1876,
80.6603

Harmonies

Analogous

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



39.7959, 58.5318, 50.5845



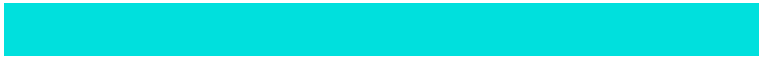
39.7068, 58.5318, 77.6116



43.5320, 58.5318, 107.8583

Triad

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



39.7068, 58.5318, 77.6116



69.4370, 58.5318, 109.1020



60.7290, 58.5318, 25.3934

Complementary

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



39.7068, 58.5318, 77.6116



30.7588, 15.8557, 1.5270

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.



69.7907, 58.5318, 33.6564



39.7068, 58.5318, 77.6116



75.1960, 58.5318, 78.9785

Square

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



39.7068, 58.5318, 77.6116



60.2889, 58.5318, 129.2610



75.3324, 58.5318, 51.6130



51.2227, 58.5318, 25.2209

Rectangle

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



39.7068, 58.5318, 77.6116



48.0689, 58.5318, 123.6600



75.3324, 58.5318, 51.6130



63.9511, 58.5318, 27.1817

Sweetspot

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



39.7086, 58.5340, 77.6130



72.1204, 88.1984, 106.9675



26.7042, 53.3376, 8.8893



14.9224, 18.6135, 22.8456



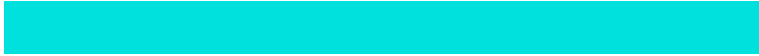
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.7086, 58.5340, 77.6130



53.2645, 78.5218, 104.0975



19.6735, 17.8181, 72.9257



14.1082, 15.5690, 17.6053



23.1157, 34.0711, 45.1940



1.6048, 2.3627, 3.1462

Inverse Universe

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



30.7588, 15.8557, 1.5270



41.2587, 21.2675, 2.0286



36.1356, 26.6356, 3.2382



13.7147, 13.7035, 14.2676



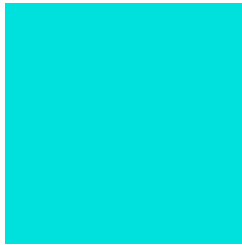
17.9061, 9.2294, 0.9054



1.2438, 0.6408, 0.0768

Previews

White Background



This preview shows how the XYZ color 39.7068, 58.5318, 77.6116 looks on a white background.

Color Contrast Check

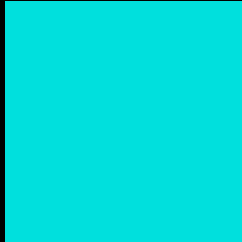
Large Text (above 18pt) WCAG AA × Fail

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 39.7068, 58.5318, 77.6116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

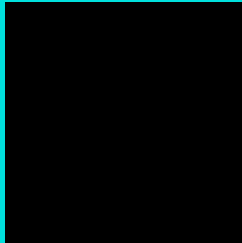
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

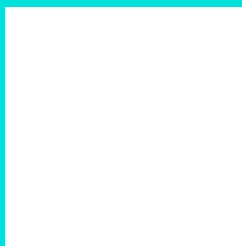
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7068, 58.5318, 77.6116

Background



This preview shows how black text looks on a background with the XYZ color 39.7068, 58.5318, 77.6116.

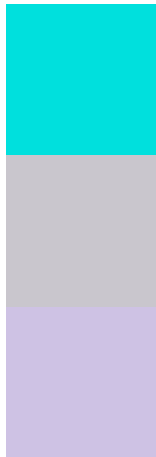


This preview shows how white text looks on a background with the XYZ color 39.7068, 58.5318,

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

39.7068, 58.5318, 77.6116

Protanopia

55.3009, 57.2135, 65.8862

Deuteranopia

58.7490, 57.3068, 81.3637



Tritanopia

42.4327, 58.4585, 90.7085

Trichromacy



Original Color

39.7068, 58.5318, 77.6116



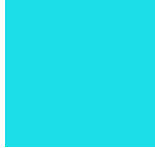
Protanomaly

42.9728, 53.9180, 69.7703



Deuteranomaly

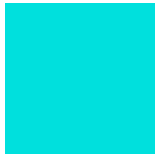
44.7820, 53.9242, 79.2823



Tritanomaly

41.1388, 58.3018, 85.4291

Monochromacy



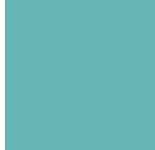
Original Color

39.7068, 58.5318, 77.6116



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.0176, 39.0524, 49.1358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7068, 58.5318, 77.6116 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, 224, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 221)  
}
```

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, 224, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 221) }
```

Border

The CSS property to change the border of an element to XYZ 39.7068, 58.5318, 77.6116 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, 224, 221) }
```


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

```
.border{ border-color:rgb(0, 224, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7068, 58.5318, 77.6116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 221) }
```

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

```
.background{ background-color: rgb(0, 224,  
221) }
```

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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