

Converting Colors

XYZ(38.2552, 55.7259, 76.8269)

Have a look what the booklet for
XYZ(38.2552, 55.7259, 76.8269)
contains.

XYZ(38.3827, 55.8835, 77.1702)	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(38.3827, 55.8835,
77.1702)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBDD
RGB	0, 219, 221
RGB Percent	0%, 86%, 87%
CMY	0.9998, 0.1412, 0.1333
CMYK	1.00, 0.01, 0.00, 0.13
HSL	181°, 100%, 43%
HSV	181°, 100%, 87%
XYZ	38.3827, 55.8835, 77.1702
YIQ	153.7470, -131.1660, -45.8060

Conversions

Conversions Part 2

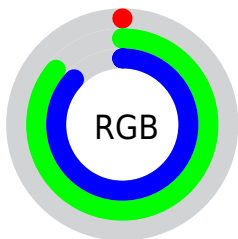
Format	Color
RYB	0, 110, 221
Decimal	56285
CIELab	79.55, -42.27, -13.58
CIELCh	80, 44.396, 197.812
Yxy	55.8835, 0.2239, 0.3260
Android (android.graphics.Color)	4278246365 (0xFF00DBDD)
YUV	153.7470, 33.1557, -134.8361
Hunter-Lab	74.7553, -39.1718, -8.8766

Details

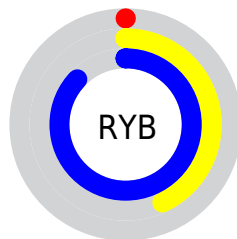
The XYZ color **38.3827, 55.8835, 77.1702** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.8419, 15.4172, 1.4047**, and the grayscale version is **30.5132, 32.1023, 34.9594**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.9801, 28.9476, 40.6108** is the 20% darker color. If you saturate the color by 10%, you get **38.3835, 55.8849, 77.1715**, and if you desaturate by 10%, it is **38.7702, 56.1619, 77.2046**.

Distribution



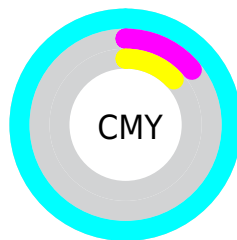
- Red (0%)
- Green (86%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3827, 55.8835, 77.1702 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 38.3827, 55.8835, 77.1702 by changing the saturation by 10% instead.

38.3827, 55.8835,
77.1702

38.3827, 55.8835,
77.1702

330.5114,
409.2523, 504.7972

26.4584, 40.1095,
56.8802

71.9945, 98.8342,
131.1549

17.3014, 27.6240,
40.5003

94.4126, 126.7798,
165.6867

10.5462, 18.0424,
27.6121

121.0595,
159.5513, 205.8028

5.8276, 10.9804,
17.7970

152.3004,
197.5332, 251.9218

2.7802, 6.0537,
10.6364

188.5007,
241.1098, 304.4622

1.0386, 2.8777,
5.7118

230.0257,

0.0000, 1.0682,

290.6656, 363.8425

2.6047

277.2408,
346.5850, 430.4813

■ 0.0000, 0.0000,
0.8949

■ 0.0000, 0.0000,
0.0000

■ 38.3827, 55.8835,
77.1702

■ 38.3827, 55.8835,
77.1702

■ 38.3835, 55.8849,
77.1715

■ 38.7702, 56.1619,
77.2046

■ 39.5380, 56.6353,
77.2555

■ 40.8115, 57.3694,
77.3300

■ 42.6609, 58.4006,
77.4316

■ 45.1455, 59.7593,
77.5629

■ 48.3170, 61.4722,
77.7264

■ 52.2219, 63.5632,
77.9242

■ 56.9026, 66.0544,
78.1583

■ 62.3983, 68.9657,
78.4306

Harmonies

Analogous

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



38.0325, 55.8835, 51.0412



38.3827, 55.8835, 77.1702



42.3948, 55.8835, 105.0605

Triad

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



38.3827, 55.8835, 77.1702



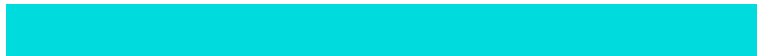
66.8865, 55.8835, 100.2250



56.8253, 55.8835, 24.3166

Complementary

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



38.3827, 55.8835, 77.1702



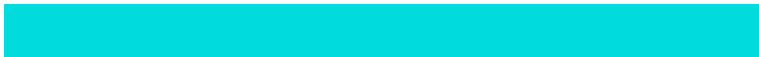
29.8419, 15.4172, 1.4047

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.



65.5066, 55.8835, 31.1914



38.3827, 55.8835, 77.1702



71.7369, 55.8835, 71.8360

Square

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



38.3827, 55.8835, 77.1702



58.5451, 55.8835, 120.7288



71.2053, 55.8835, 47.0060



48.0326, 55.8835, 25.0007

Rectangle

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



38.3827, 55.8835, 77.1702



46.8891, 55.8835, 118.7112



71.2053, 55.8835, 47.0060



59.8703, 55.8835, 25.7176

Sweetspot

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



38.3844, 55.8856, 77.1716



72.0647, 87.8236, 107.7612



25.8579, 51.7142, 8.6207



14.9088, 18.5220, 23.0393



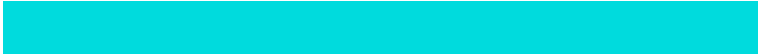
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.3844, 55.8856, 77.1716



53.0786, 77.2773, 106.7262



18.6854, 16.4876, 70.6052



13.4343, 14.8083, 16.8024



22.3021, 32.4736, 44.8310



1.4482, 2.1105, 2.9055

Inverse Universe

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



42.6065, 20.4883, 68.7290



58.9208, 28.3323, 95.0360



35.4529, 26.6392, 3.2750



13.6091, 13.2727, 16.4686



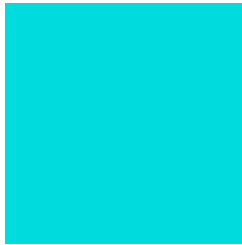
24.7524, 11.9020, 39.9377



1.6053, 0.7717, 2.5962

Previews

White Background



This preview shows how the XYZ color 38.3827, 55.8835, 77.1702 looks on a white background.

Color Contrast Check

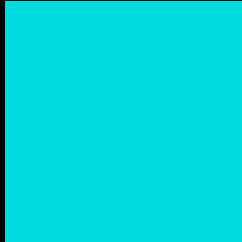
Large Text (above 18pt) WCAG AA × Fail

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 38.3827, 55.8835, 77.1702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

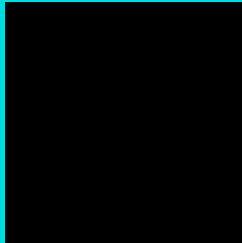
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

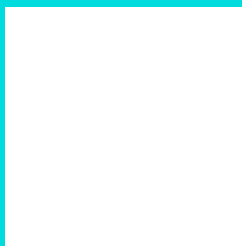
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3827, 55.8835, 77.1702

Background



This preview shows how black text looks on a background with the XYZ color 38.3827, 55.8835, 77.1702.



This preview shows how white text looks on a background with the XYZ color 38.3827, 55.8835,

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

38.3827, 55.8835, 77.1702

Protanopia

53.1973, 54.7756, 66.1615

Deuteranopia

56.0491, 54.9498, 80.3253



Tritanopia

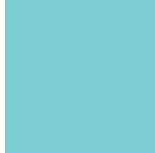
40.6076, 56.0359, 87.2730

Trichromacy



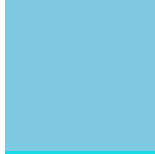
Original Color

38.3827, 55.8835, 77.1702



Protanomaly

41.5713, 51.7750, 69.4306



Deuteranomaly

43.2296, 51.7216, 78.9390



Tritanomaly

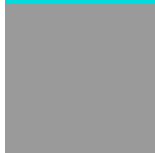
39.7310, 56.0502, 83.5876

Monochromacy



Original Color

38.3827, 55.8835, 77.1702



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.9933, 37.6518, 47.8589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3827, 55.8835, 77.1702 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, 219, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 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, 219, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 221) }
```

Border

The CSS property to change the border of an element to XYZ 38.3827, 55.8835, 77.1702 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, 219, 221) }
```


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

```
.border{ border-color:rgb(0, 219, 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, 219, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3827, 55.8835, 77.1702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 221) }
```

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

```
.background{ background-color: rgb(0, 219,  
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](#).

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