

Converting Colors

XYZ(38.7605, 56.4574, 77.8564)

Have a look what the booklet for
XYZ(38.7605, 56.4574, 77.8564)
contains.

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Color

**XYZ(38.7780, 56.4603,
77.9614)**

Conversions

Conversions Part 1

Format	Color
Hex	00DCDE
RGB	0, 220, 222
RGB Percent	0%, 86%, 87%
CMY	0.9998, 0.1372, 0.1294
CMYK	1.00, 0.01, 0.00, 0.13
HSL	181°, 100%, 44%
HSV	181°, 100%, 87%
XYZ	38.7780, 56.4603, 77.9614
YIQ	154.4480, -131.7620, -46.0180

Conversions

Conversions Part 2

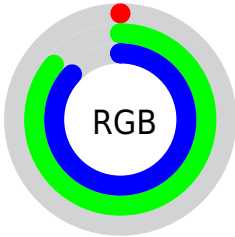
Format	Color
RYB	0, 110, 222
Decimal	56542
CIELab	79.88, -42.42, -13.62
CIELCh	80, 44.549, 197.806
Yxy	56.4603, 0.2239, 0.3260
Android (android.graphics.Color)	4278246622 (0xFF00DCDE)
YUV	154.4480, 33.3031, -135.4509
Hunter-Lab	75.1401, -39.3755, -8.9181

Details

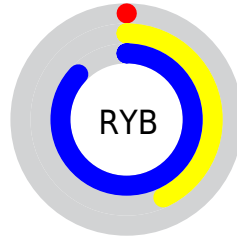
The XYZ color **38.7780, 56.4603, 77.9614** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.1473, 15.5745, 1.4188**, and the grayscale version is **30.8195, 32.4245, 35.3102**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.2505, 29.3409, 41.1553** is the 20% darker color. If you saturate the color by 10%, you get **38.7789, 56.4618, 77.9627**, and if you desaturate by 10%, it is **39.1681, 56.7405, 77.9960**.

Distribution



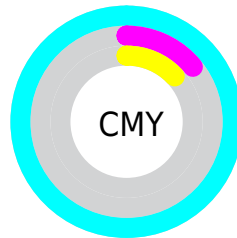
- Red (0%)
- Green (86%)
- Blue (87%)



- 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 38.7780, 56.4603, 77.9614 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 38.7780, 56.4603, 77.9614 by changing the saturation by 10% instead.

38.7780, 56.4603,
77.9614

38.7780, 56.4603,
77.9614

332.1692,
411.4239, 507.5602

26.7670, 40.5721,
57.5260

72.5953, 99.6773,
132.2811

17.5340, 27.9849,
41.0155

95.1323, 127.7748,
167.0025

10.7136, 18.3143,
28.0114

121.9087,
160.7109, 207.3229

5.9405, 11.1758,
18.0952

153.2899,
198.8700, 253.6610

2.8492, 6.1852,
10.8482

189.6412,
242.6365, 306.4352

1.0745, 2.9580,
5.8520

231.3279,

0.0037, 1.1099,

292.3947, 366.0641

2.6879

278.7154,
348.5290, 432.9662

■ 0.0000, 0.0000,
0.9373

■ 0.0000, 0.0000,
0.0000

■ 38.7780, 56.4603,
77.9614

■ 38.7780, 56.4603,
77.9614

■ 38.7789, 56.4618,
77.9627

■ 39.1681, 56.7405,
77.9960

■ 39.9425, 57.2178,
78.0473

■ 41.2279, 57.9585,
78.1225

■ 43.0954, 58.9995,
78.2250

■ 45.6047, 60.3714,
78.3576

■ 48.8082, 62.1013,
78.5226

■ 52.7531, 64.2134,
78.7224

■ 57.4820, 66.7298,
78.9589

■ 63.0348, 69.6711,
79.2339

Harmonies

Analogous

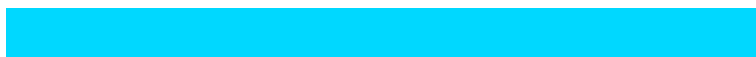
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4250, 56.4603, 51.5631



38.7780, 56.4603, 77.9614



42.8309, 56.4603, 106.1415

Triad

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



38.7780, 56.4603, 77.9614



67.5759, 56.4603, 101.2664



57.4138, 56.4603, 24.5674

Complementary

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



38.7780, 56.4603, 77.9614



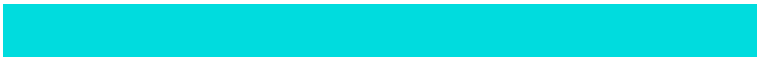
30.1473, 15.5745, 1.4188

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.



66.1847, 56.4603, 31.5149



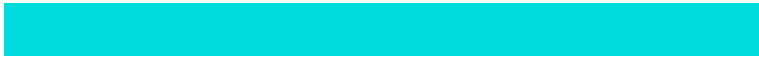
38.7780, 56.4603, 77.9614



72.4775, 56.4603, 72.5835

Square

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



38.7780, 56.4603, 77.9614



59.1477, 56.4603, 121.9798



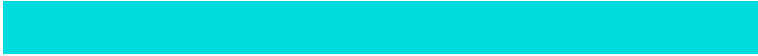
71.9416, 56.4603, 47.4950



48.5299, 56.4603, 25.2570

Rectangle

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



38.7780, 56.4603, 77.9614



47.3713, 56.4603, 119.9357



71.9416, 56.4603, 47.4950



60.4903, 56.4603, 25.9833

Sweetspot

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



38.7797, 56.4624, 77.9628



72.0657, 87.8255, 107.7615



26.1227, 52.2439, 8.7088



14.9090, 18.5225, 23.0394



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.



38.7797, 56.4624, 77.9628



53.0819, 77.2838, 106.7273



18.8732, 16.6494, 71.3273



14.1055, 15.5501, 17.6457



23.0383, 33.5462, 46.3092



1.6004, 2.3322, 3.2110

Inverse Universe

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



43.0440, 20.6985, 69.4388



58.9225, 28.3330, 95.0447



35.8125, 26.9050, 3.3072



14.2895, 13.9334, 17.2944



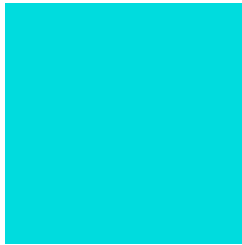
25.5689, 12.2946, 41.2570



1.7740, 0.8529, 2.8689

Previews

White Background



This preview shows how the XYZ color 38.7780, 56.4603, 77.9614 looks on a white background.

Color Contrast Check

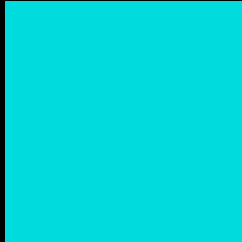
Large Text (above 18pt) WCAG AA × Fail

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 38.7780, 56.4603, 77.9614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

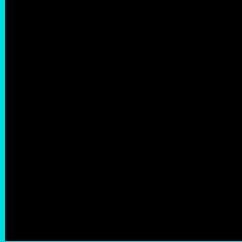
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

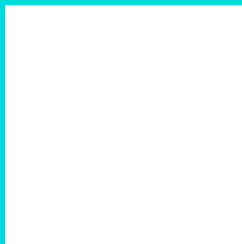
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7780, 56.4603, 77.9614

Background



This preview shows how black text looks on a background with the XYZ color 38.7780, 56.4603, 77.9614.



This preview shows how white text looks on a background with the XYZ color 38.7780, 56.4603,

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

38.7780, 56.4603, 77.9614

Protanopia

53.8035, 55.4055, 66.8901

Deuteranopia

56.6726, 55.5801, 81.1398



Tritanopia

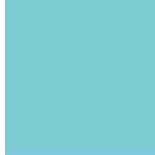
41.0111, 56.6110, 88.1224

Trichromacy



Original Color

38.7780, 56.4603, 77.9614



Protanomaly

41.9340, 52.2992, 70.1720



Deuteranomaly

43.6004, 52.2441, 79.7376



Tritanomaly

40.1320, 56.6267, 84.4162

Monochromacy



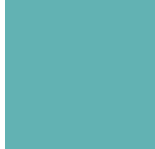
Original Color

38.7780, 56.4603, 77.9614



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.0941, 37.6921, 48.3897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7780, 56.4603, 77.9614 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, 220, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 222)  
}
```

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, 220, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 222) }
```

Border

The CSS property to change the border of an element to XYZ 38.7780, 56.4603, 77.9614 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, 220, 222) }
```


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

```
.border{ border-color:rgb(0, 220, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 220, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7780, 56.4603, 77.9614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 220, 222) }
```

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

```
.background{ background-color: rgb(0, 220,  
222) }
```

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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