

Converting Colors

XYZ(38.2048, 55.3460, 77.6711)

Have a look what the booklet for
XYZ(38.2048, 55.3460, 77.6711)
contains.

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Color

**XYZ(38.2562, 55.4167,
77.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	00DADE
RGB	0, 218, 222
RGB Percent	0%, 85%, 87%
CMY	0.9998, 0.1451, 0.1294
CMYK	1.00, 0.02, 0.00, 0.13
HSL	181°, 100%, 44%
HSV	181°, 100%, 87%
XYZ	38.2562, 55.4167, 77.7874
YIQ	153.2740, -131.2120, -44.9720

Conversions

Conversions Part 2

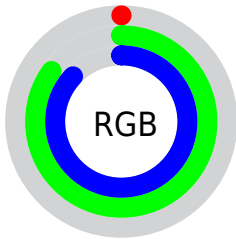
Format	Color
RYB	0, 110, 222
Decimal	56030
CIELab	79.28, -41.52, -14.51
CIELCh	79, 43.988, 199.266
Yxy	55.4167, 0.2231, 0.3232
Android (android.graphics.Color)	4278246110 (0xFF00DADE)
YUV	153.2740, 33.8819, -134.4213
Hunter-Lab	74.4424, -38.5424, -9.8445

Details

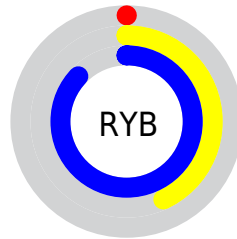
The XYZ color **38.2562, 55.4167, 77.7874** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.1690, 15.6180, 1.4261**, and the grayscale version is **30.3034, 31.8815, 34.7190**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.8954, 28.6307, 41.0369** is the 20% darker color. If you saturate the color by 10%, you get **38.2569, 55.4179, 77.7886**, and if you desaturate by 10%, it is **38.6976, 55.7996, 77.8391**.

Distribution



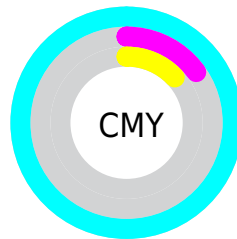
- Red (0%)
- Green (85%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2562, 55.4167, 77.7874 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 38.2562, 55.4167, 77.7874 by changing the saturation by 10% instead.

38.2562, 55.4167,
77.7874

38.2562, 55.4167,
77.7874

329.9796,
407.4896, 506.9533

26.3597, 39.7354,
57.3839

71.8020, 98.1512,
132.0335

17.2270, 27.3323,
40.9022

94.1821, 125.9733,
166.7133

10.4928, 17.8230,
27.9235

120.7873,
158.6110, 206.9888

5.7917, 10.8230,
18.0295

151.9832,
196.4489, 253.2788

2.7583, 5.9479,
10.8015

188.1350,
239.8713, 306.0017

1.0273, 2.8134,
5.8210

229.6081,

0.0000, 1.0351,

289.2626, 365.5760

2.6695

276.7679,
345.0073, 432.4204

■ 0.0000, 0.0000,
0.9280

■ 0.0000, 0.0000,
0.0000

■ 38.2562, 55.4167,
77.7874

■ 38.2562, 55.4167,
77.7874

■ 38.2569, 55.4179,
77.7886

■ 38.6976, 55.7996,
77.8391

■ 39.5235, 56.3799,
77.9076

■ 40.8607, 57.2241,
78.0000

■ 42.7801, 58.3689,
78.1198

■ 45.3416, 59.8450,
78.2697

■ 48.5975, 61.6795,
78.4522

■ 52.5948, 63.8966,
78.6695

■ 57.3764, 66.5184,
78.9235

■ 62.9821, 69.5653,
79.2162

Harmonies

Analogous

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



37.7320, 55.4167, 51.7548



38.2562, 55.4167, 77.7874



42.3818, 55.4167, 105.0242

Triad

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



38.2562, 55.4167, 77.7874



66.5655, 55.4167, 97.8168



55.8873, 55.4167, 24.1468

Complementary

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



38.2562, 55.4167, 77.7874



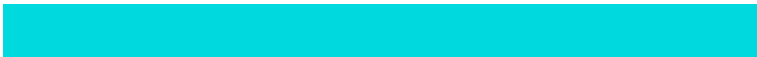
30.1690, 15.6180, 1.4261

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.



64.5057, 55.4167, 30.5590



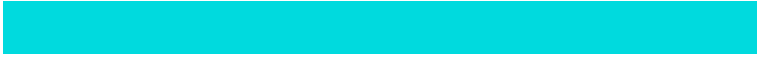
38.2562, 55.4167, 77.7874



71.1115, 55.4167, 69.8243

Square

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



38.2562, 55.4167, 77.7874



58.4560, 55.4167, 118.6354



70.3183, 55.4167, 45.7174



47.2825, 55.4167, 25.1747

Rectangle

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



38.2562, 55.4167, 77.7874



46.9046, 55.4167, 117.9704



70.3183, 55.4167, 45.7174



58.8936, 55.4167, 25.4125

Sweetspot

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



38.2579, 55.4187, 77.7887



71.8470, 87.3881, 107.6886



26.1429, 52.2519, 8.8156



14.8556, 18.4158, 23.0216



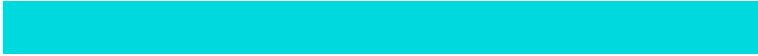
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.2579, 55.4187, 77.7887



52.3619, 75.8439, 106.4873



18.4778, 15.8586, 71.1954



14.0943, 15.5277, 17.6420



22.7330, 32.9355, 46.2074



1.5826, 2.2966, 3.2051

Inverse Universe

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



42.7805, 20.5931, 68.0518



58.5591, 28.1876, 93.1311



36.2247, 27.7294, 3.4447



14.2838, 13.9312, 17.2648



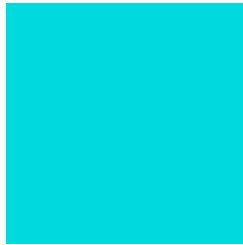
25.4148, 12.2329, 40.4454



1.7651, 0.8493, 2.8217

Previews

White Background



This preview shows how the XYZ color 38.2562, 55.4167, 77.7874 looks on a white background.

Color Contrast Check

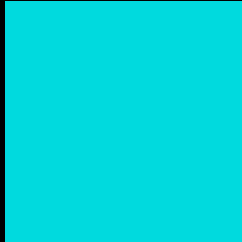
Large Text (above 18pt) WCAG AA × Fail

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 38.2562, 55.4167, 77.7874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

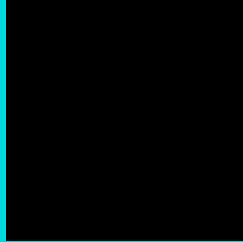
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2562, 55.4167, 77.7874

Background



This preview shows how black text looks on a background with the XYZ color 38.2562, 55.4167, 77.7874.

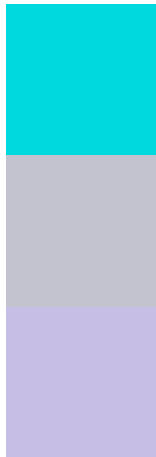


This preview shows how white text looks on a background with the XYZ color 38.2562, 55.4167,

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

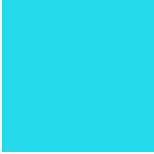
38.2562, 55.4167, 77.7874

Protanopia

53.0599, 54.6907, 66.7913

Deuteranopia

55.7057, 54.4341, 80.9696



Tritanopia

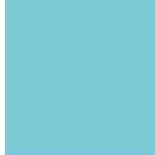
40.1003, 55.4096, 86.4235

Trichromacy



Original Color

38.2562, 55.4167, 77.7874



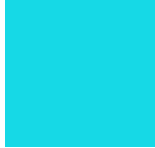
Protanomaly

41.5518, 51.7504, 70.0862



Deuteranomaly

42.9859, 51.2352, 79.5753



Tritanomaly

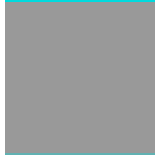
39.4267, 55.5095, 83.4993

Monochromacy



Original Color

38.2562, 55.4167, 77.7874



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.6878, 37.2000, 47.7878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2562, 55.4167, 77.7874 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, 218, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 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, 218, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 222) }
```

Border

The CSS property to change the border of an element to XYZ 38.2562, 55.4167, 77.7874 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, 218, 222) }
```


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

```
.border{ border-color:rgb(0, 218, 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, 218, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2562, 55.4167, 77.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 222) }
```

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

```
.background{ background-color: rgb(0, 218,  
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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