

Converting Colors

XYZ(38.8892, 55.6052, 81.3201)

Have a look what the booklet for
XYZ(38.8892, 55.6052, 81.3201)
contains.

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Color

**XYZ(38.9365, 55.6889,
81.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	00DAE3
RGB	0, 218, 227
RGB Percent	0%, 85%, 89%
CMY	0.9998, 0.1451, 0.1098
CMYK	1.00, 0.04, 0.00, 0.11
HSL	182°, 100%, 45%
HSV	182°, 100%, 89%
XYZ	38.9365, 55.6889, 81.3699
YIQ	153.8440, -132.8170, -43.4170

Conversions

Conversions Part 2

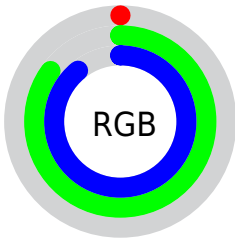
Format	Color
RYB	0, 111, 227
Decimal	56035
CIELab	79.44, -40.02, -16.95
CIELCh	79, 43.461, 202.954
Yxy	55.6889, 0.2212, 0.3164
Android (android.graphics.Color)	4278246115 (0xFF00DAE3)
YUV	153.8440, 36.0659, -134.9212
Hunter-Lab	74.6250, -37.4592, -12.4114

Details

The XYZ color **38.9365, 55.6889, 81.3699** 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 **31.7775, 16.5277, 1.5168**, and the grayscale version is **30.5431, 32.1337, 34.9936**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.3667, 28.8192, 43.5190** is the 20% darker color. If you saturate the color by 10%, you get **38.9370, 55.6895, 81.3710**, and if you desaturate by 10%, it is **39.5193, 56.3380, 81.4655**.

Distribution



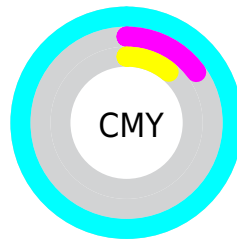
- Red (0%)
- Green (85%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)




- Cyan (100%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9365, 55.6889, 81.3699 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 38.9365, 55.6889, 81.3699 by changing the saturation by 10% instead.


 38.9365, 55.6889,
81.3699


 38.9365, 55.6889,
81.3699


332.8323,
408.5180, 519.3656


 26.8908, 39.9535,
60.3135


 72.8360, 98.5496,
137.1188


 17.6274, 27.5023,
43.2444


 95.4205, 126.4437,
172.6483


 10.7809, 17.9508,
29.7441


 122.2487,
159.1595, 213.8394

 5.9859, 10.9147,
19.3941

 153.6860,
197.0814, 261.1104

 2.8771, 6.0095,
11.7757

 190.0976,
240.5938, 314.8800

 1.0891, 2.8509,
6.4704

231.8489,

 0.0160, 1.0544,

290.0812, 375.5667

3.0598

279.3054,
345.9278, 443.5891

■ 0.0000, 0.0000,
1.1253

■ 0.0000, 0.0000,
0.0000

■ 38.9365, 55.6889,
81.3699

■ 38.9365, 55.6889,
81.3699

■ 38.9370, 55.6895,
81.3710

■ 39.5193, 56.3380,
81.4655

■ 40.5092, 57.1976,
81.5793

■ 42.0381, 58.3370,
81.7186

■ 44.1813, 59.7949,
81.8871

■ 47.0020, 61.6040,
82.0876

■ 50.5556, 63.7928,
82.3228

■ 54.8916, 66.3869,
82.5949

■ 60.0554, 69.4097,
82.9062

■ 66.0889, 72.8827,
83.2586

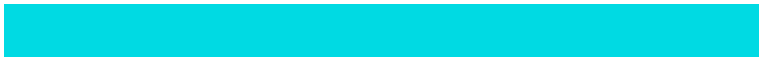
Harmonies

Analogous

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



37.9655, 55.6889, 54.9306



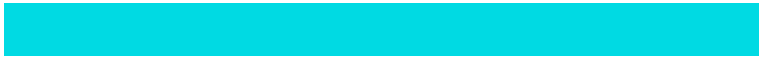
38.9365, 55.6889, 81.3699



43.4530, 55.6889, 107.6371

Triad

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



38.9365, 55.6889, 81.3699



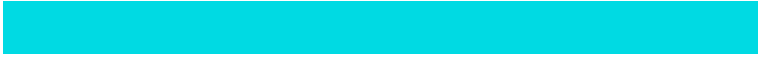
67.4818, 55.6889, 94.4328



55.0154, 55.6889, 24.3590

Complementary

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



38.9365, 55.6889, 81.3699



31.7775, 16.5277, 1.5168

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.



63.6949, 55.6889, 29.8034



38.9365, 55.6889, 81.3699



71.3874, 55.6889, 66.7228

Square

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



38.9365, 55.6889, 81.3699



59.7466, 55.6889, 116.5115



69.9306, 55.6889, 43.7618



46.6538, 55.6889, 26.2811

Rectangle

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



38.9365, 55.6889, 81.3699



48.1634, 55.6889, 119.1487



69.9306, 55.6889, 43.7618



58.0025, 55.6889, 25.3231

Sweetspot

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



38.9382, 55.6909, 81.3713



71.3250, 86.3442, 107.5146



27.5119, 54.9560, 9.3763



14.7284, 18.1614, 22.9792



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.



38.9382, 55.6909, 81.3713



50.6690, 72.4580, 105.9230



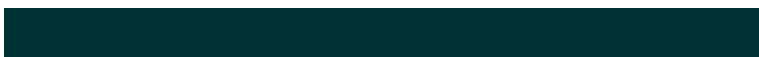
19.0161, 15.8468, 74.7306



14.7559, 16.2332, 18.4999



22.7291, 32.5202, 47.4623



1.6949, 2.4338, 3.5124

Inverse Universe

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



44.3349, 21.3944, 68.1247



57.7046, 27.8458, 88.6312



38.5279, 30.0284, 3.7669



14.9691, 14.6048, 18.0378



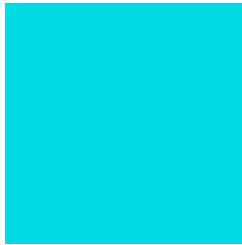
25.8661, 12.4807, 39.7854



1.9192, 0.9254, 2.9808

Previews

White Background



This preview shows how the XYZ color 38.9365, 55.6889, 81.3699 looks on a white background.

Color Contrast Check

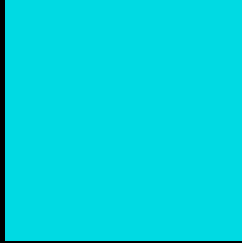
Large Text (above 18pt) WCAG AA × Fail

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 38.9365, 55.6889, 81.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

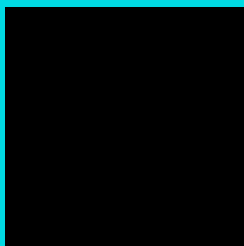
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

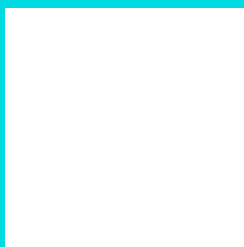
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9365, 55.6889, 81.3699

Background



This preview shows how black text looks on a background with the XYZ color 38.9365, 55.6889, 81.3699.



This preview shows how white text looks on a background with the XYZ color 38.9365, 55.6889,

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

38.9365, 55.6889, 81.3699

Protanopia

53.4236, 54.8064, 70.0503

Deuteranopia

56.1037, 54.8806, 84.7268



Tritanopia

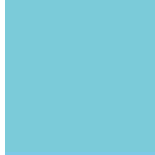
40.1708, 55.8274, 86.5005

Trichromacy



Original Color

38.9365, 55.6889, 81.3699



Protanomaly

42.0487, 51.9326, 73.4534



Deuteranomaly

43.7679, 51.9028, 83.3127



Tritanomaly

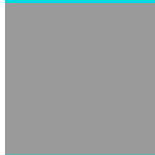
39.4861, 55.5238, 84.2373

Monochromacy



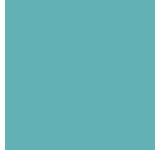
Original Color

38.9365, 55.6889, 81.3699



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.0996, 37.3771, 49.3969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9365, 55.6889, 81.3699 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 227) }
```

Border

The CSS property to change the border of an element to XYZ 38.9365, 55.6889, 81.3699 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, 227) }
```


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

```
.border{ border-color:rgb(0, 218, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9365, 55.6889, 81.3699 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, 227) }
```

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

```
.background{ background-color: rgb(0, 218,  
227) }
```

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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