

Converting Colors

XYZ(34.3878, 54.0172, 82.1231)

Have a look what the booklet for
XYZ(34.3878, 54.0172, 82.1231)
contains.

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Color

**XYZ(39.5968, 56.7878,
82.2730)**

Conversions

Conversions Part 1

Format	Color
Hex	00DCE4
RGB	0, 220, 228
RGB Percent	0%, 86%, 89%
CMY	0.9998, 0.1372, 0.1059
CMYK	1.00, 0.04, 0.00, 0.11
HSL	182°, 100%, 45%
HSV	182°, 100%, 89%
XYZ	39.5968, 56.7878, 82.2730
YIQ	155.1320, -133.6880, -44.1520

Conversions

Conversions Part 2

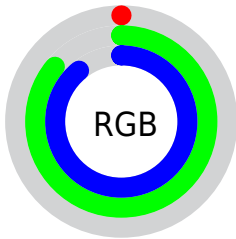
Format	Color
RYB	0, 112, 228
Decimal	56548
CIELab	80.06, -40.62, -16.54
CIELCh	80, 43.860, 202.159
Yxy	56.7878, 0.2216, 0.3179
Android (android.graphics.Color)	4278246628 (0xFF00DCE4)
YUV	155.1320, 35.9239, -136.0508
Hunter-Lab	75.3577, -38.0829, -11.9805

Details

The XYZ color **39.5968, 56.7878, 82.2730** 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 **32.0832, 16.6693, 1.5283**, and the grayscale version is **31.1113, 32.7315, 35.6446**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.8183, 29.5680, 44.1451** is the 20% darker color. If you saturate the color by 10%, you get **39.5972, 56.7884, 82.2742**, and if you desaturate by 10%, it is **40.1585, 57.3910, 82.3609**.

Distribution



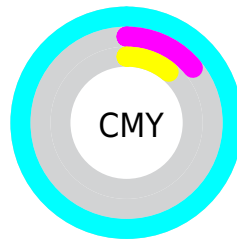
- Red (0%)
- Green (86%)
- Blue (89%)



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



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





- Cyan (100%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5968, 56.7878, 82.2730 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 39.5968, 56.7878, 82.2730 by changing the saturation by 10% instead.


 39.5968, 56.7878,
82.2730


 39.5968, 56.7878,
82.2730


335.5848,
412.6537, 522.4678


 27.4071, 40.8349,
61.0535


 73.8374, 100.1555,
138.3969


 18.0174, 28.1901,
43.8375


 96.6190, 128.3391,
174.1383


 11.0622, 18.4690,
30.2065


 123.6620,
161.3683, 215.5575

 6.1763, 11.2872,
19.7420

 155.3317,
199.6277, 263.0729

 2.9943, 6.2604,
12.0254

 191.9935,
243.5015, 317.1031

 1.1507, 3.0040,
6.6383

234.0127,

 0.0669, 1.1338,

293.3742, 378.0666

3.1619

281.7547,
349.6301, 446.3820

■ 0.0000, 0.0067,
1.1779

■ 0.0000, 0.0000,
0.0000

■ 39.5968, 56.7878,
82.2730

■ 39.5968, 56.7878,
82.2730

■ 39.5972, 56.7884,
82.2742

■ 40.1585, 57.3910,
82.3609

■ 41.1313, 58.2065,
82.4670

■ 42.6485, 59.3041,
82.5989

■ 44.7861, 60.7230,
82.7601

■ 47.6079, 62.4962,
82.9537

■ 51.1699, 64.6525,
83.1821

■ 55.5223, 67.2177,
83.4479

■ 60.7109, 70.2155,
83.7530

■ 66.7780, 73.6677,
84.0996

Harmonies

Analogous

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



38.7036, 56.7878, 55.3696



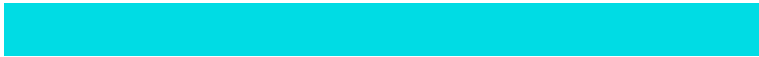
39.5968, 56.7878, 82.2730



44.1214, 56.7878, 109.3050

Triad

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



39.5968, 56.7878, 82.2730



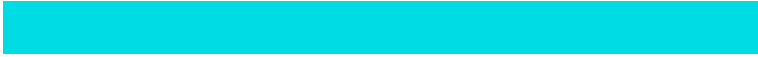
68.6856, 56.7878, 97.1298



56.3492, 56.7878, 24.8181

Complementary

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



39.5968, 56.7878, 82.2730



32.0832, 16.6693, 1.5283

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.



65.1965, 56.7878, 30.5859



39.5968, 56.7878, 82.2730



72.8130, 56.7878, 68.7792

Square

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



39.5968, 56.7878, 82.2730



60.7066, 56.7878, 119.3989



71.4704, 56.7878, 45.0930



47.7606, 56.7878, 26.5827

Rectangle

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



39.5968, 56.7878, 82.2730



48.8886, 56.7878, 121.3725



71.4704, 56.7878, 45.0930



59.4027, 56.7878, 25.8681

Sweetspot

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



39.5986, 56.7899, 82.2744



71.4346, 86.5634, 107.5511



27.7866, 55.5048, 9.4690



14.7551, 18.2148, 22.9881



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.



39.5986, 56.7899, 82.2744



51.0216, 73.1631, 106.0405



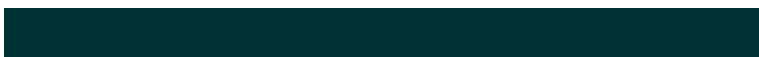
19.2034, 15.9996, 75.4760



14.7618, 16.2450, 18.5019



22.8837, 32.8296, 47.5138



1.7047, 2.4533, 3.5157

Inverse Universe

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



44.9147, 21.6630, 69.5263



57.8825, 27.9170, 89.5683



38.9099, 30.3226, 3.8038



14.9721, 14.6060, 18.0536



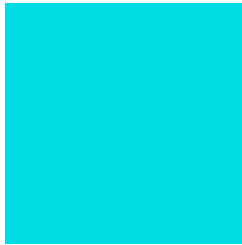
25.9442, 12.5119, 40.1965



1.9241, 0.9273, 3.0066

Previews

White Background



This preview shows how the XYZ color 39.5968, 56.7878, 82.2730 looks on a white background.

Color Contrast Check

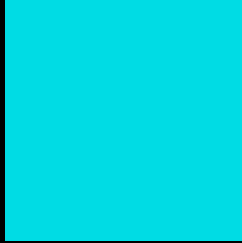
Large Text (above 18pt) WCAG AA × Fail

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 39.5968, 56.7878, 82.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

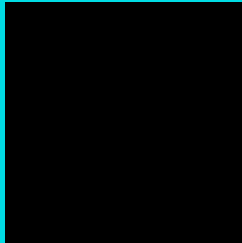
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

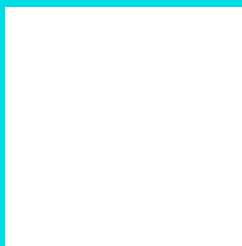
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5968, 56.7878, 82.2730

Background



This preview shows how black text looks on a background with the XYZ color 39.5968, 56.7878, 82.2730.

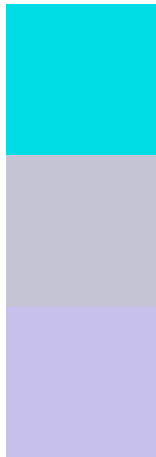


This preview shows how white text looks on a background with the XYZ color 39.5968, 56.7878,

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

39.5968, 56.7878, 82.2730

Protanopia

54.5151, 56.0197, 70.8904

Deuteranopia

56.9896, 55.6456, 85.5789



Tritanopia

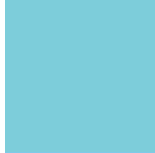
41.0369, 57.0105, 88.1981

Trichromacy



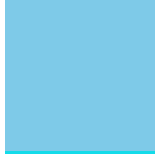
Original Color

39.5968, 56.7878, 82.2730



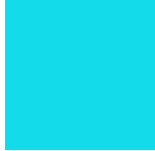
Protanomaly

42.9437, 53.0846, 74.3126



Deuteranomaly

44.2902, 52.5029, 84.1437



Tritanomaly

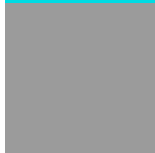
40.3280, 56.6950, 85.9085

Monochromacy



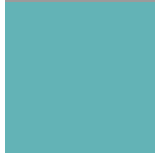
Original Color

39.5968, 56.7878, 82.2730



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.7092, 38.2702, 50.0770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5968, 56.7878, 82.2730 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 228) }
```

Border

The CSS property to change the border of an element to XYZ 39.5968, 56.7878, 82.2730 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, 228) }
```


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

```
.border{ border-color:rgb(0, 220, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5968, 56.7878, 82.2730 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, 228) }
```

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

```
.background{ background-color: rgb(0, 220,  
228) }
```

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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