

Converting Colors

XYZ(39.9825, 56.6488, 85.2082)

Have a look what the booklet for
XYZ(39.9825, 56.6488, 85.2082)
contains.

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Color

**XYZ(39.8970, 56.4892,
85.1447)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBE8
RGB	0, 219, 232
RGB Percent	0%, 86%, 91%
CMY	0.9998, 0.1412, 0.0902
CMYK	1.00, 0.06, 0.00, 0.09
HSL	183°, 100%, 46%
HSV	183°, 100%, 91%
XYZ	39.8970, 56.4892, 85.1447
YIQ	155.0010, -134.6970, -42.3850

Conversions

Conversions Part 2

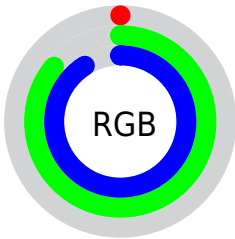
Format	Color
RYB	0, 113, 232
Decimal	56296
CIELab	79.89, -38.95, -18.93
CIELCh	80, 43.308, 205.918
Yxy	56.4892, 0.2198, 0.3112
Android (android.graphics.Color)	4278246376 (0xFF00DBE8)
YUV	155.0010, 37.9605, -135.9359
Hunter-Lab	75.1593, -36.7752, -14.5556

Details

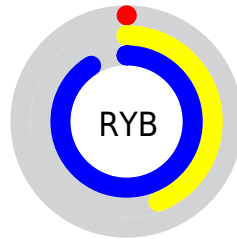
The XYZ color **39.8970, 56.4892, 85.1447** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.4242, 17.4456, 1.6075**, and the grayscale version is **31.0450, 32.6618, 35.5687**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **20.9337, 29.3290, 45.6320** is the 20% darker color. If you saturate the color by 10%, you get **39.8971, 56.4891, 85.1457**, and if you desaturate by 10%, it is **40.5979, 57.3572, 85.2764**.

Distribution



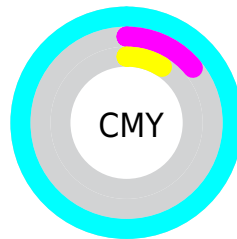
- Red (0%)
- Green (86%)
- Blue (91%)



- Red (0%)
- Yellow (44%)
- Blue (91%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8970, 56.4892, 85.1447 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 39.8970, 56.4892, 85.1447 by changing the saturation by 10% instead.


 39.8970, 56.4892,
85.1447


 39.8970, 56.4892,
85.1447


336.8311,
411.5325, 532.2638


 27.6421, 40.5953,
63.4101


 74.2920, 99.7195,
142.4513

 18.1951, 28.0030,
45.7299


 97.1628, 127.8246,
178.8604


 11.1907, 18.3279,
31.6856


 124.3029,
160.7690, 220.9980

 6.2635, 11.1857,
20.8587

 156.0777,
198.9369, 269.2828

 3.0481, 6.1919,
12.8305

 192.8526,
242.7128, 324.1332

 1.1793, 2.9621,
7.1826

234.9929,

 0.0899, 1.1120,

292.4812, 385.9678

3.4964

282.8640,
348.6262, 455.2052

■ 0.0000, 0.0000,
1.3533

■ 0.0000, 0.0000,
0.1049

■ 39.8970, 56.4892,
85.1447

■ 39.8970, 56.4892,
85.1447

■ 39.8971, 56.4891,
85.1457

■ 40.5979, 57.3572,
85.2764

■ 41.7294, 58.4500,
85.4277

■ 43.4291, 59.8397,
85.6063

■ 45.7764, 61.5672,
85.8160

■ 48.8381, 63.6669,
86.0600

■ 52.6726, 66.1690,
86.3408

■ 57.3323, 69.1005,
86.6610

■ 62.8650, 72.4860,
87.0229

■ 69.3148, 76.3483,
87.4285

Harmonies

Analogous

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



38.5549, 56.4892, 58.1298



39.8970, 56.4892, 85.1447



44.7779, 56.4892, 110.8538

Triad

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



39.8970, 56.4892, 85.1447



68.9179, 56.4892, 92.7644



54.9018, 56.4892, 24.7944

Complementary

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



39.8970, 56.4892, 85.1447



33.4242, 17.4456, 1.6075

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.



63.7153, 56.4892, 29.5313



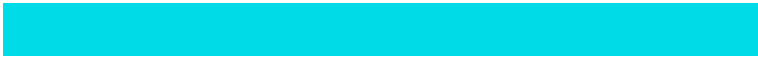
39.8970, 56.4892, 85.1447



72.3466, 56.4892, 65.0128

Square

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



39.8970, 56.4892, 85.1447



61.4110, 56.4892, 116.0285



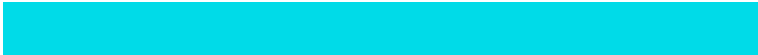
70.3468, 56.4892, 42.7072



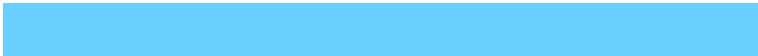
46.6472, 56.4892, 27.4713

Rectangle

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



39.8970, 56.4892, 85.1447



49.6885, 56.4892, 121.3109



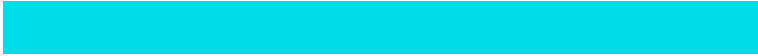
70.3468, 56.4892, 42.7072



57.9034, 56.4892, 25.5273

Sweetspot

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



39.8988, 56.4913, 85.1461



70.9325, 85.5592, 107.3838



28.9221, 57.7402, 9.9576



14.6329, 17.9702, 22.9473



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.



39.8988, 56.4913, 85.1461



49.4193, 69.9585, 105.5064



19.5607, 15.8150, 78.3667



14.7346, 16.1907, 18.4928



22.1806, 31.4234, 47.2794



1.6603, 2.3645, 3.5009

Inverse Universe

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



46.0664, 22.2720, 68.8908



57.0738, 27.5935, 85.3094



40.9504, 32.4978, 4.1162



14.9584, 14.6005, 17.9813



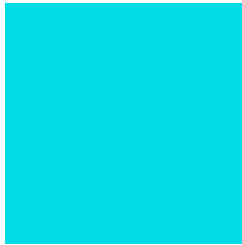
25.5893, 12.3699, 38.3276



1.9017, 0.9184, 2.8887

Previews

White Background



This preview shows how the XYZ color 39.8970, 56.4892, 85.1447 looks on a white background.

Color Contrast Check

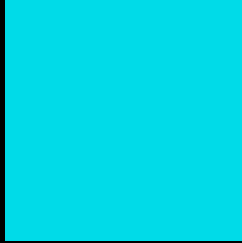
Large Text (above 18pt) WCAG AA × Fail

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 39.8970, 56.4892, 85.1447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

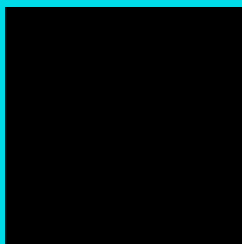
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

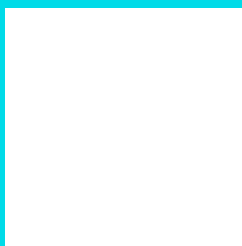
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8970, 56.4892, 85.1447

Background



This preview shows how black text looks on a background with the XYZ color 39.8970, 56.4892, 85.1447.

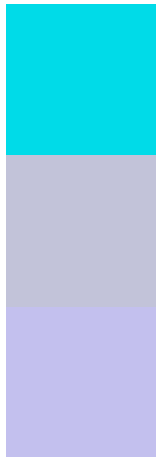


This preview shows how white text looks on a background with the XYZ color 39.8970, 56.4892,

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

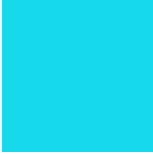
39.8970, 56.4892, 85.1447

Protanopia

54.2876, 55.5093, 73.4987

Deuteranopia

56.7879, 55.4744, 88.6035



Tritanopia

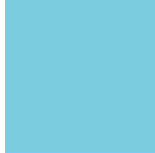
40.5426, 56.3695, 88.1005

Trichromacy



Original Color

39.8970, 56.4892, 85.1447



Protanomaly

42.9461, 52.6706, 77.0102



Deuteranomaly

44.5730, 52.5823, 87.1570



Tritanomaly

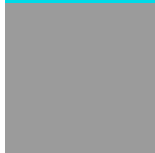
40.2479, 56.2343, 87.3303

Monochromacy



Original Color

39.8970, 56.4892, 85.1447



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.6132, 37.9123, 50.5568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8970, 56.4892, 85.1447 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.8970, 56.4892, 85.1447 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, 232) }
```


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

```
.border{ border-color:rgb(0, 219, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8970, 56.4892, 85.1447 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, 232) }
```

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

```
.background{ background-color: rgb(0, 219,  
232) }
```

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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