

Converting Colors

XYZ(19.2103, 44.5328, 85.1082)

Have a look what the booklet for
XYZ(19.2103, 44.5328, 85.1082)
contains.

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Color

**XYZ(39.4071, 55.0522,
86.3911)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8EA
RGB	0, 216, 234
RGB Percent	0%, 85%, 92%
CMY	0.9998, 0.1529, 0.0823
CMYK	1.00, 0.08, 0.00, 0.08
HSL	185°, 100%, 46%
HSV	185°, 100%, 92%
XYZ	39.4071, 55.0522, 86.3911
YIQ	153.4680, -134.5140, -40.1940

Conversions

Conversions Part 2

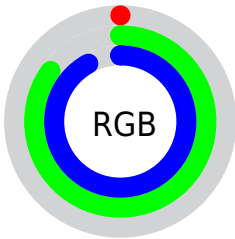
Format	Color
RYB	0, 112, 234
Decimal	55530
CIELab	79.07, -36.96, -21.24
CIELCh	79, 42.624, 209.885
Yxy	55.0522, 0.2179, 0.3044
Android (android.graphics.Color)	4278245610 (0xFF00D8EA)
YUV	153.4680, 39.7023, -134.5914
Hunter-Lab	74.1972, -35.0413, -17.0960

Details

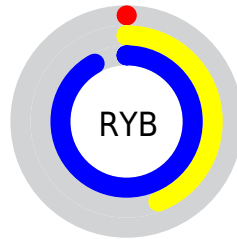
The XYZ color **39.4071, 55.0522, 86.3911** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.1497, 17.9273, 1.6621**, and the grayscale version is **30.3648, 31.9462, 34.7894**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **20.7808, 28.7041, 46.5647** is the 20% darker color. If you saturate the color by 10%, you get **39.4069, 55.0515, 86.3920**, and if you desaturate by 10%, it is **40.2359, 56.1690, 86.5640**.

Distribution



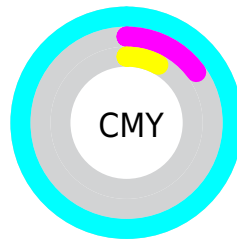
- Red (0%)
- Green (85%)
- Blue (92%)



- Red (0%)
- Yellow (44%)
- Blue (92%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4071, 55.0522, 86.3911 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 39.4071, 55.0522, 86.3911 by changing the saturation by 10% instead.

39.4071, 55.0522,
86.3911

39.4071, 55.0522,
86.3911

334.7957,
406.1098, 536.4841

27.2587, 39.4435,
64.4347

73.5499, 97.6174,
144.2065

17.9052, 27.1049,
46.5544

96.2751, 125.3428,
180.9026

10.9812, 17.6520,
32.3317

123.2565,
157.8758, 223.3489

6.1214, 10.7005,
21.3481

154.8596,
195.6009, 271.9641

2.9604, 5.8658,
13.1850

191.4497,
238.9024, 327.1667

1.1329, 2.7636,
7.4238

233.3922,

0.0523, 1.0096,

288.1648, 389.3752

3.6461

281.0524,
343.7725, 459.0081

■ 0.0000, 0.0000,
1.4333

■ 0.0000, 0.0000,
0.1675

■ 39.4071, 55.0522,
86.3911

■ 39.4071, 55.0522,
86.3911

■ 39.4069, 55.0515,
86.3920

■ 40.2359, 56.1690,
86.5640

■ 41.5066, 57.5201,
86.7579

■ 43.3593, 59.1788,
86.9804

■ 45.8750, 61.1869,
87.2354

■ 49.1221, 63.5795,
87.5260

■ 53.1602, 66.3875,
87.8552

■ 58.0427, 69.6386,
88.2254

■ 63.8186, 73.3578,
88.6389

■ 70.5329, 77.5685,
89.0977

Harmonies

Analogous

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



37.6371, 55.0522, 59.8486



39.4071, 55.0522, 86.3911



44.5533, 55.0522, 110.1731

Triad

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



39.4071, 55.0522, 86.3911



67.7583, 55.0522, 86.5989



52.3583, 55.0522, 24.2866

Complementary

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



39.4071, 55.0522, 86.3911



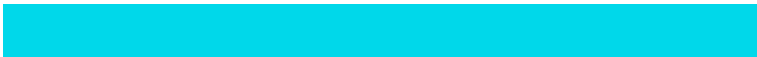
34.1497, 17.9273, 1.6621

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.



60.9527, 55.0522, 27.9092



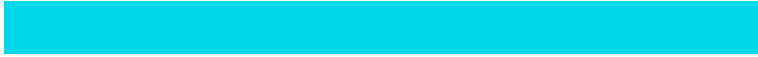
39.4071, 55.0522, 86.3911



70.4105, 55.0522, 60.0365

Square

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



39.4071, 55.0522, 86.3911



60.8899, 55.0522, 110.3141



67.7972, 55.0522, 39.5315



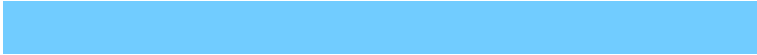
44.6043, 55.0522, 27.8528

Rectangle

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



39.4071, 55.0522, 86.3911



49.5099, 55.0522, 118.7676



67.7972, 55.0522, 39.5315



55.2458, 55.0522, 24.6867

Sweetspot

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



39.4088, 55.0542, 86.3924



70.4361, 84.5663, 107.2183



29.5149, 58.8832, 10.2868



14.5122, 17.7288, 22.9071



0.0000, 0.0000, 0.0000



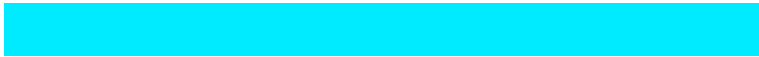
20.3446, 21.4041, 23.3091

Same Dimension

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



39.4088, 55.0542, 86.3924



47.8676, 66.8553, 104.9892



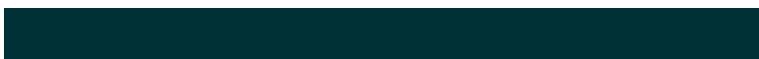
19.5482, 15.3329, 79.7722



15.4128, 16.9119, 19.3742



22.1865, 31.0199, 48.5611



1.7717, 2.4949, 3.8231

Inverse Universe

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



46.3278, 22.4520, 66.8596



56.2906, 27.2802, 81.1852



42.2690, 34.1658, 4.3685



15.6619, 15.2926, 18.7708



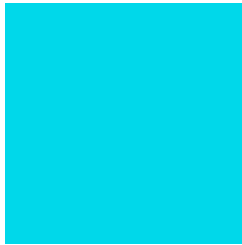
26.0540, 12.6243, 37.6813



2.0608, 0.9973, 3.0374

Previews

White Background



This preview shows how the XYZ color 39.4071, 55.0522, 86.3911 looks on a white background.

Color Contrast Check

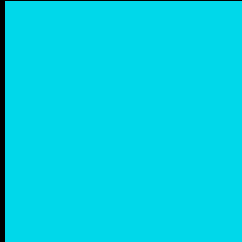
Large Text (above 18pt) WCAG AA × Fail

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 39.4071, 55.0522, 86.3911 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 39.4071, 55.0522, 86.3911

Background



This preview shows how black text looks on a background with the XYZ color 39.4071, 55.0522, 86.3911.

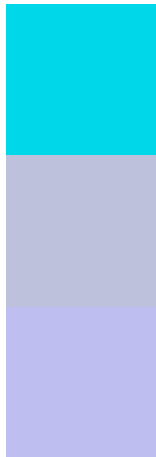


This preview shows how white text looks on a background with the XYZ color 39.4071, 55.0522,

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

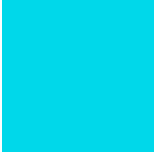
39.4071, 55.0522, 86.3911

Protanopia

53.0914, 54.2016, 74.6816

Deuteranopia

55.3768, 54.0653, 89.9551



Tritanopia

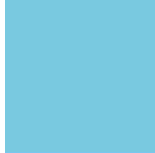
39.4071, 55.0522, 86.3911

Trichromacy



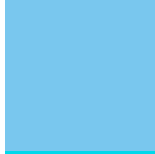
Original Color

39.4071, 55.0522, 86.3911



Protanomaly

42.2263, 51.2201, 78.1819



Deuteranomaly

43.7412, 51.0848, 88.4439



Tritanomaly

39.4071, 55.0522, 86.3911

Monochromacy



Original Color

39.4071, 55.0522, 86.3911



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.8986, 36.9695, 49.8687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4071, 55.0522, 86.3911 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, 216, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 234)  
}
```

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, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 234) }
```

Border

The CSS property to change the border of an element to XYZ 39.4071, 55.0522, 86.3911 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, 216, 234) }
```


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

```
.border{ border-color:rgb(0, 216, 234) }
```

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

Here you see how a box with a 4 pixel rgb(0, 216, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4071, 55.0522, 86.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 234) }
```

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

```
.background{ background-color: rgb(0, 216,  
234) }
```

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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