

Converting Colors

XYZ(39.3431, 55.6078, 84.2621)

Have a look what the booklet for
XYZ(39.3431, 55.6078, 84.2621)
contains.

| | |
|--|----|
| XYZ(39.2367, 55.3952, 84.2257) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(39.2367, 55.3952,
84.2257)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00D9E7 |
| RGB | 0, 217, 231 |
| RGB Percent | 0%, 85%, 91% |
| CMY | 0.9997, 0.1490, 0.0941 |
| CMYK | 1.00, 0.06, 0.00, 0.09 |
| HSL | 184°, 100%, 45% |
| HSV | 184°, 100%, 91% |
| XYZ | 39.2367, 55.3952, 84.2257 |
| YIQ | 153.7130, -133.8260, -41.6500 |

Conversions

Conversions Part 2

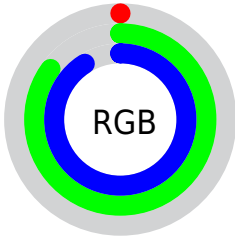
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 112, 231 |
| Decimal | 55783 |
| CIELab | 79.27, -38.34, -19.34 |
| CIELCh | 79, 42.944, 206.763 |
| Yxy | 55.3952, 0.2194, 0.3097 |
| Android (android.graphics.Color) | 4278245863 (0xFF00D9E7) |
| YUV | 153.7130, 38.1025, -134.8063 |
| Hunter-Lab | 74.4280, -36.1478, -14.9954 |

Details

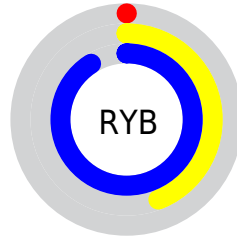
The XYZ color **39.2367, 55.3952, 84.2257** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.1137, 17.3051, 1.5968**, and the grayscale version is **30.4792, 32.0664, 34.9204**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.4827, 28.5849, 44.9953** is the 20% darker color. If you saturate the color by 10%, you get **39.2366, 55.3947, 84.2267**, and if you desaturate by 10%, it is **39.9573, 56.3059, 84.3646**.

Distribution



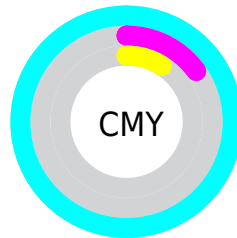
- Red (0%)
- Green (85%)
- Blue (91%)



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



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



- Cyan (100%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2367, 55.3952, 84.2257 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 39.2367, 55.3952, 84.2257 by changing the saturation by 10% instead.

39.2367, 55.3952,
84.2257

39.2367, 55.3952,
84.2257

334.0856,
407.4083, 529.1401

27.1255, 39.7182,
62.6553

73.2915, 98.1197,
141.1554

17.8045, 27.3189,
45.1232

95.9658, 125.9361,
177.3518

10.9086, 17.8129,
31.2108

122.8919,
158.5677, 219.2606

6.0722, 10.8157,
20.4996

154.4350,
196.3989, 267.3004

2.9301, 5.9431,
12.5711

190.9606,
239.8142, 321.8897

1.1169, 2.8105,
7.0066

232.8340,

0.0392, 1.0336,

289.1979, 383.4471

3.3877

280.4206,
344.9345, 452.3910

■ 0.0000, 0.0000,
1.2959

■ 0.0000, 0.0000,
0.0584

■ 39.2367, 55.3952,
84.2257

■ 39.2367, 55.3952,
84.2257

■ 39.2366, 55.3947,
84.2267

■ 39.9573, 56.3059,
84.3646

■ 41.1044, 57.4399,
84.5230

■ 42.8146, 58.8688,
84.7086

■ 45.1664, 60.6330,
84.9252

■ 48.2258, 62.7666,
85.1758

■ 52.0507, 65.2993,
85.4631

■ 56.6928, 68.2580,
85.7895

■ 62.1995, 71.6671,
86.1573

■ 68.6144, 75.5490,
86.5684

Harmonies

Analogous

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



37.8212, 55.3952, 57.6842



39.2367, 55.3952, 84.2257



44.1067, 55.3952, 109.1690

Triad

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



39.2367, 55.3952, 84.2257



67.7117, 55.3952, 90.1387



53.5896, 55.3952, 24.3395

Complementary

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



39.2367, 55.3952, 84.2257



33.1137, 17.3051, 1.5968

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.



62.2342, 55.3952, 28.7688



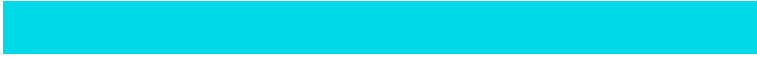
39.2367, 55.3952, 84.2257



70.9258, 55.3952, 63.0266

Square

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



39.2367, 55.3952, 84.2257



60.4458, 55.3952, 113.1842



68.8207, 55.3952, 41.4223



45.5578, 55.3952, 27.1689

Rectangle

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



39.2367, 55.3952, 84.2257



48.9590, 55.3952, 119.0819



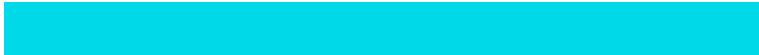
68.8207, 55.3952, 41.4223



56.5251, 55.3952, 24.9904

Sweetspot

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



39.2384, 55.3972, 84.2270



70.8235, 85.3411, 107.3474



28.6412, 57.1787, 9.8626



14.6064, 17.9172, 22.9385



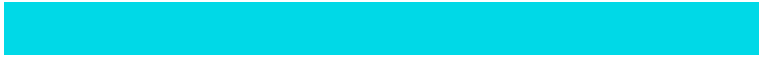
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.2384, 55.3972, 84.2270



49.0756, 69.2712, 105.3919



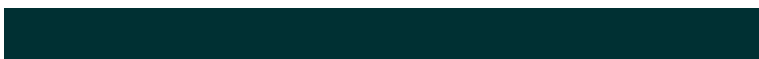
19.3739, 15.6681, 77.6055



14.7287, 16.1788, 18.4909



22.0298, 31.1217, 47.2292



1.6508, 2.3454, 3.4977

Inverse Universe

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



45.4810, 22.0005, 67.4970



56.9003, 27.5241, 84.3960



40.5556, 32.1889, 4.0775



14.9554, 14.5994, 17.9656



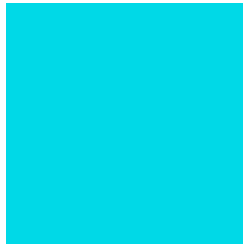
25.5131, 12.3395, 37.9267



1.8969, 0.9165, 2.8633

Previews

White Background



This preview shows how the XYZ color 39.2367, 55.3952, 84.2257 looks on a white background.

Color Contrast Check

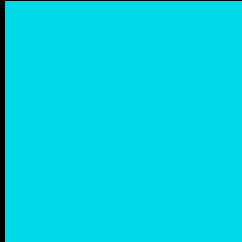
Large Text (above 18pt) WCAG AA × Fail

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 39.2367, 55.3952, 84.2257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

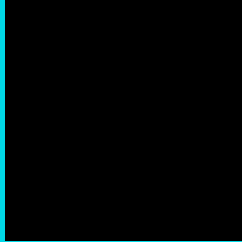
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2367, 55.3952, 84.2257

Background



This preview shows how black text looks on a background with the XYZ color 39.2367, 55.3952, 84.2257.

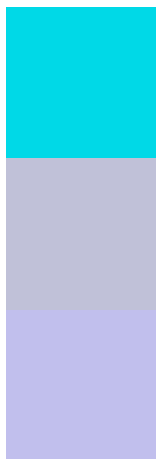


This preview shows how white text looks on a background with the XYZ color 39.2367, 55.3952,

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

39.2367, 55.3952, 84.2257

Protanopia

53.2029, 54.3043, 72.6434

Deuteranopia

55.9092, 54.7135, 87.7348



Tritanopia

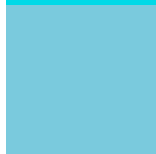
39.9526, 55.7149, 86.4902

Trichromacy



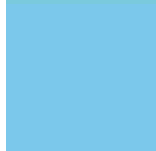
Original Color

39.2367, 55.3952, 84.2257



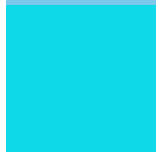
Protanomaly

42.1977, 51.5991, 76.1422



Deuteranomaly

43.8181, 51.5177, 86.2317



Tritanomaly

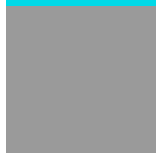
39.6868, 55.5945, 85.7299

Monochromacy



Original Color

39.2367, 55.3952, 84.2257



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.2026, 37.4184, 49.9393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2367, 55.3952, 84.2257 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, 217, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 231)  
}
```

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, 217, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 231) }
```

Border

The CSS property to change the border of an element to XYZ 39.2367, 55.3952, 84.2257 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, 217, 231) }
```


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

```
.border{ border-color:rgb(0, 217, 231) }
```

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

Here you see how a box with a 4 pixel rgb(0, 217, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2367, 55.3952, 84.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 231) }
```

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

```
.background{ background-color: rgb(0, 217,  
231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor