

Converting Colors

XYZ(38.7120, 53.7678, 88.1889)

Have a look what the booklet for
XYZ(38.7120, 53.7678, 88.1889)
contains.

XYZ(39.3326, 54.2076, 88.5108)	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(39.3326, 54.2076,
88.5108)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6ED
RGB	0, 214, 237
RGB Percent	0%, 84%, 93%
CMY	0.9998, 0.1608, 0.0706
CMYK	1.00, 0.10, 0.00, 0.07
HSL	186°, 100%, 46%
HSV	186°, 100%, 93%
XYZ	39.3326, 54.2076, 88.5108
YIQ	152.6360, -134.9270, -38.2150

Conversions

Conversions Part 2

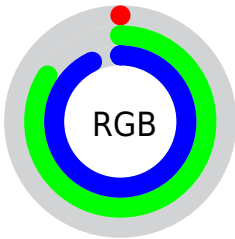
Format	Color
RYB	0, 112, 237
Decimal	55021
CIELab	78.58, -35.08, -23.58
CIELCh	79, 42.274, 213.907
Yxy	54.2076, 0.2161, 0.2978
Android (android.graphics.Color)	4278245101 (0xFF00D6ED)
YUV	152.6360, 41.5915, -133.8618
Hunter-Lab	73.6258, -33.4864, -19.7386

Details

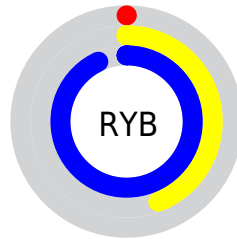
The XYZ color **39.3326, 54.2076, 88.5108** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.2334, 18.6200, 1.7387**, and the grayscale version is **29.9958, 31.5579, 34.3666**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **20.7386, 28.1325, 48.0531** is the 20% darker color. If you saturate the color by 10%, you get **39.3321, 54.2062, 88.5116**, and if you desaturate by 10%, it is **40.2909, 55.5731, 88.7249**.

Distribution



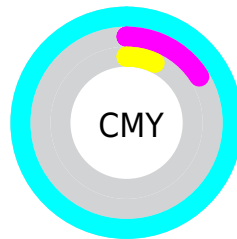
- Red (0%)
- Green (84%)
- Blue (93%)



- Red (0%)
- Yellow (44%)
- Blue (93%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3326, 54.2076, 88.5108 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 39.3326, 54.2076, 88.5108 by changing the saturation by 10% instead.


 39.3326, 54.2076,
88.5108


 39.3326, 54.2076,
88.5108

334.4854,
402.9012, 543.6191

 27.2005, 38.7677,
66.1794


 73.4370, 96.3790,
147.1855

 17.8612, 26.5790,
47.9607


 96.1399, 123.8792,
184.3659


 10.9495, 17.2573,
33.4360


 123.0971,
156.1684, 227.3330

 6.0999, 10.4181,
22.1868

 154.6740,
193.6308, 276.5055

 2.9472, 5.6771,
13.7946

 191.2360,
236.6509, 332.3018

 1.1259, 2.6497,
7.8408

233.1482,

 0.0466, 0.9517,

285.6130, 395.1405

3.9070

280.7763,
340.9017, 465.4401

■ 0.0000, 0.0000,
1.5744

■ 0.0000, 0.0000,
0.2725

■ 39.3326, 54.2076,
88.5108

■ 39.3326, 54.2076,
88.5108

■ 39.3321, 54.2062,
88.5116

■ 40.2909, 55.5731,
88.7249

■ 41.7082, 57.1864,
88.9616

■ 43.7277, 59.1225,
89.2289

■ 46.4335, 61.4247,
89.5306

■ 49.8958, 64.1293,
89.8702

■ 54.1763, 67.2682,
90.2504

■ 59.3302, 70.8698,
90.6740

■ 65.4080, 74.9603,
91.1432

■ 72.4561, 79.5635,
91.6602

Harmonies

Analogous

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



37.1295, 54.2076, 62.2062



39.3326, 54.2076, 88.5108



44.7899, 54.2076, 110.5889

Triad

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



39.3326, 54.2076, 88.5108



67.2989, 54.2076, 81.6011



50.4383, 54.2076, 24.0505

Complementary

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



39.3326, 54.2076, 88.5108



35.2334, 18.6200, 1.7387

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.



58.8985, 54.2076, 26.6517



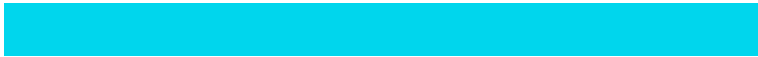
39.3326, 54.2076, 88.5108



69.2244, 54.2076, 55.9500

Square

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



39.3326, 54.2076, 88.5108



60.9909, 54.2076, 105.9029



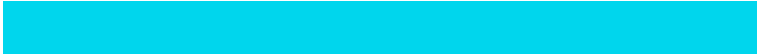
66.0023, 54.2076, 36.9410



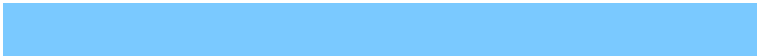
43.0889, 54.2076, 28.5353

Rectangle

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



39.3326, 54.2076, 88.5108



49.8402, 54.2076, 117.4417



66.0023, 54.2076, 36.9410



53.2426, 54.2076, 24.1345

Sweetspot

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



39.3343, 54.2096, 88.5121



69.9618, 83.6178, 107.0602



30.4099, 60.6193, 10.7507



14.3969, 17.4984, 22.8687



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.



39.3343, 54.2096, 88.5121



46.4161, 63.9523, 104.5054



19.7285, 14.9980, 81.9769



15.3855, 16.8574, 19.3651



21.5276, 29.7022, 48.3414



1.7267, 2.4050, 3.8081

Inverse Universe

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



47.0641, 22.8612, 65.5525



55.5579, 26.9872, 77.3271



44.0539, 36.2611, 4.6789



15.6481, 15.2871, 18.6982



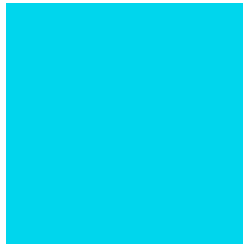
25.7214, 12.4913, 35.9301



2.0381, 0.9882, 2.9179

Previews

White Background



This preview shows how the XYZ color 39.3326, 54.2076, 88.5108 looks on a white background.

Color Contrast Check

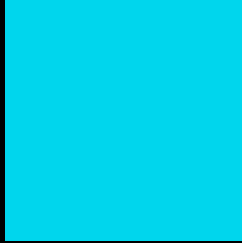
Large Text (above 18pt) WCAG AA × Fail

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 39.3326, 54.2076, 88.5108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

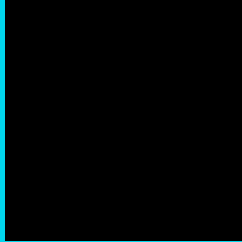
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3326, 54.2076, 88.5108

Background



This preview shows how black text looks on a background with the XYZ color 39.3326, 54.2076, 88.5108.

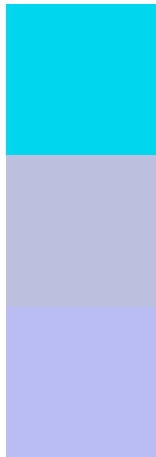


This preview shows how white text looks on a background with the XYZ color 39.3326, 54.2076,

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

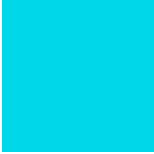
39.3326, 54.2076, 88.5108

Protanopia

52.5547, 53.2269, 76.6111

Deuteranopia

54.6250, 53.3054, 92.2039



Tritanopia

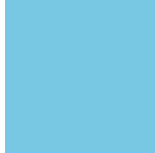
38.8659, 54.4271, 84.8010

Trichromacy



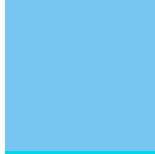
Original Color

39.3326, 54.2076, 88.5108



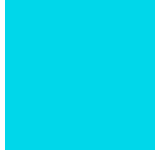
Protanomaly

42.0343, 50.3860, 80.1831



Deuteranomaly

43.5425, 50.5906, 90.6891



Tritanomaly

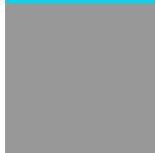
39.1517, 54.5414, 86.3059

Monochromacy



Original Color

39.3326, 54.2076, 88.5108



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.9115, 36.6620, 50.9001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3326, 54.2076, 88.5108 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, 214, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 237)  
}
```

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, 214, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 237) }
```

Border

The CSS property to change the border of an element to XYZ 39.3326, 54.2076, 88.5108 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, 214, 237) }
```


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

```
.border{ border-color:rgb(0, 214, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3326, 54.2076, 88.5108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 237) }
```

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

```
.background{ background-color: rgb(0, 214,  
237) }
```

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